FeatureTraining log regression

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

Data Set Information:

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

@INPROCEEDINGS{Sing1503:Comment,

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

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

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

ADDRESS='Cambridge, United Kingdom',

DAYS=25,

MONTH=mar,

YEAR=2015,

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

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

Attribute Information:

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

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

Page Popularity/likes

Decimal Encoding

Page feature

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

2

Page Checkins's

Decimal Encoding

Page feature

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

3

Page talking about

Decimal Encoding

Page feature

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

Δ

Page Category

Value Encoding

Page feature

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

5 - 29

Derived

Decimal Encoding

Derived feature

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

30

CC1

Decimal Encoding

Essential feature

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

31

CC2

Decimal Encoding

Essential feature

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

32

CC3

Decimal Encoding

Essential feature

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

33

CC4

Decimal Encoding

Essential feature

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

34

CC5

Decimal Encoding

Essential feature

The difference between CC2 and CC3.

35

Base time

Decimal(0-71) Encoding

Other feature

Selected time in order to simulate the scenario.

36

Post length

Decimal Encoding

Other feature

Character count in the post.

37

Post Share Count

تزيم Decimal Encoding

Other feature

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

38

Post Promotion Status

Binary Encoding

Other feature

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

39

H Local

Decimal(0-23) Encoding

Other feature

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

40-46

Post published weekday

Binary Encoding Weekdays feature

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

47-53
Base DateTime weekday
Binary Encoding
Weekdays feature

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

54 Target Variable Decimal Target

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

```
library(readr)
 Features Variant 1 <- read.csv("C:/users/seshan/Documents/Dataset/Dataset/Tr</pre>
aining/Features Variant 1.csv")
dim(Features_Variant_1)
## [1] 40948
                54
Features<-Features Variant 1
normalize<-function(x) {return((x-min(x))/(max(x)-min(x)))}</pre>
Features_norm<-as.data.frame(lapply(Features, normalize))</pre>
Features_norm
##
              X634995
                                 X0
                                            X463
                                                         X1
                                                                    X0.0
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 1
## 2
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 3
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 4
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 5
## 6
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 7
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 8
## 9
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 10
## 11
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 12
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 13
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 14
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 15
```

```
## 16
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 17
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 18
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 19
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 20
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 21
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 22
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
##
   23
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 24
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
   25
##
## 26
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
##
   27
##
  28
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 29
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 30
##
  31
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
##
  32
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
##
  33
##
   34
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 35
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
##
  36
##
   37
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 38
##
  39
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 40
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 41
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 42
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 43
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 44
## 45
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 46
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 47
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 48
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 49
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 50
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 51
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 52
## 53
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 54
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 55
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 56
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 57
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 58
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 59
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 60
## 61
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 62
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 63
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 64
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 65
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
```

```
## 66
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 67
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 68
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 69
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 70
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 71
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
  72
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
##
##
  73
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 74
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
   75
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
##
##
  76
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
##
  77
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
##
  78
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 79
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 80
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 81
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 82
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 83
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 84
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 85
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 86
## 87
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 88
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 89
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
##
  90
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 91
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 92
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 93
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 94
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 95
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 96
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 97
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 98
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 99
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 100
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 101
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 102
## 103
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 104
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 105
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 106
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 107
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 108
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 109
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 110
## 111
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 112
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 113
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 114
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 115
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
```

```
1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 116
## 117
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 118
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 119
## 120
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 121
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 122
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 123
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 124
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 125
## 126
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 127
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 128
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 129
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 130
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 131
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 132
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 133
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 134
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 135
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 136
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 137
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 138
## 139
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 140
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 141
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 142
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 143
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 144
## 145
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 146
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 147
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 148
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 149
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 150
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 151
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 152
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 153
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 154
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 155
## 156
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 157
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 158
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 159
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 160
## 161
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 162
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 163
## 164
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 165
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
```

```
8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 166
## 167
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 168
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 169
## 170
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 171
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 172
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 173
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 174
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 175
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 176
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 177
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 178
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 179
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 180
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 181
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 182
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 183
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 184
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 185
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 186
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 187
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 188
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 189
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 190
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 191
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 192
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 193
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 194
## 195
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 196
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 197
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 198
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 199
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 200
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 201
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 202
## 203
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 204
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 205
## 206
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 207
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 208
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 209
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 210
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 211
         8.204239e-03 0.000000e+00 4.879308e-02 0.02857143 0.0183682187
## 212
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 213
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 214
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 215
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
```

```
## 216
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 217
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 218
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 219
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 220
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 221
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 222
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 223
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 224
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 225
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 226
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 227
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 228
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 229
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 230
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 231
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 232
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 233
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 234
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 235
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 236
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 237
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 238
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 239
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 240
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
##
  241
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 242
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 243
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 244
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 245
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 246
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 247
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 248
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 249
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
##
  250
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 251
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 252
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 253
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 254
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 255
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 256
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 257
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 258
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 259
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 260
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 261
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 262
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 263
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
##
  264
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 265
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
```

```
## 266
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 267
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 268
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 269
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 270
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 271
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 272
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
##
  273
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 274
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 275
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 276
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 277
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 278
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 279
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 280
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 281
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
##
  282
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 283
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 284
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 285
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 286
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 287
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 288
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
##
  289
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 290
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
##
  291
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 292
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 293
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 294
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 295
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 296
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 297
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 298
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 299
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
##
  300
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 301
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 302
## 303
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 304
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 305
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 306
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
##
  307
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 308
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 309
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 310
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 311
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 312
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 313
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 314
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 315
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
```

```
## 316
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 317
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 318
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 319
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 320
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 321
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 322
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
##
  323
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 324
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 325
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 326
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 327
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 328
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 329
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 330
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 331
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 332
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 333
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 334
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 335
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 336
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
## 337
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 338
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 339
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 340
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
##
  341
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 342
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 343
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 344
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 345
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 346
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 347
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 348
         5.279479e-04 0.000000e+00 8.013213e-05 0.06666667 0.0000000000
## 349
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
##
  350
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 351
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 352
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 353
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 354
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 355
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 356
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 357
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 358
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 359
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 360
## 361
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 362
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 363
## 364
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 365
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
```

```
3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 366
## 367
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 368
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 369
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 370
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 371
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 372
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
##
  373
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 374
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 375
## 376
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 377
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
##
  378
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 379
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 380
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 381
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
##
  382
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 383
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 384
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 385
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 386
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 387
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 388
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 389
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 390
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
##
  391
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 392
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 393
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 394
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 395
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 396
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 397
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 398
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 399
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
  400
##
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 401
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 402
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 403
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 404
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 405
## 406
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 407
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 408
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 409
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 410
## 411
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 412
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 413
## 414
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 415
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
```

```
## 416
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 417
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 418
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 419
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 420
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 421
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 422
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 423
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 424
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 425
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 426
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 427
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 428
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 429
## 430
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 431
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 432
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 433
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 434
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 435
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 436
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 437
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 438
## 439
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 440
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 441
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 442
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 443
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 444
## 445
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 446
## 447
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 448
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 449
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 450
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 451
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 452
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 453
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 454
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 455
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 456
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 457
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 458
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 459
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 460
## 461
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 462
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 463
## 464
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 465
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
```

```
## 466
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 467
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 468
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 469
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 470
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 471
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 472
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 473
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 474
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 475
## 476
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 477
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 478
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 479
## 480
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 481
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 482
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 483
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 484
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 485
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 486
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 487
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 488
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 489
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 490
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 491
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 492
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 493
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 494
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 495
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 496
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 497
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 498
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 499
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 500
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 501
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 502
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 503
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 504
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 505
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 506
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 507
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 508
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 509
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 510
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 511
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 512
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 513
## 514
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 515
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
```

```
3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 516
## 517
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 518
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 519
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 520
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 521
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 522
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 523
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 524
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 525
## 526
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 527
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 528
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 529
## 530
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 531
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 532
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 533
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 534
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 535
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 536
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 537
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 538
## 539
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 540
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 541
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 542
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 543
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 544
## 545
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 546
## 547
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 548
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 549
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 550
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 551
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 552
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 553
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 554
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 555
## 556
         3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 557
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 558
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 559
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 560
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 561
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 562
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 563
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 564
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 565
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
```

```
8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 566
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 567
## 568
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 569
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 570
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 571
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 572
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 573
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 574
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 575
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 576
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 577
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 578
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 579
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 580
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 581
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 582
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 583
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 584
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 585
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 586
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 587
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 588
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 589
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 590
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 591
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 592
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 593
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 594
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 595
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 596
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 597
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 598
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 599
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 600
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 601
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 602
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 603
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 604
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 605
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 606
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 607
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 608
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 609
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 610
## 611
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 612
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 613
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 614
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 615
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
```

```
## 616
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 617
## 618
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 619
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 620
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 621
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 622
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 623
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 624
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 625
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 626
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 627
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 628
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 629
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 630
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 631
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 632
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 633
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 634
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 635
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 636
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 637
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 638
## 639
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 640
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 641
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 642
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 643
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 644
## 645
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 646
## 647
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 648
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 649
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 650
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 651
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 652
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 653
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 654
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 655
## 656
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 657
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 658
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 659
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 660
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 661
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
## 662
         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
         4.689477e-03 0.000000e+00 7.422074e-05 0.12380952 0.0008543358
## 663
## 664
         4.689477e-03 0.000000e+00 7.422074e-05 0.12380952 0.0008543358
## 665
         4.689477e-03 0.000000e+00 7.422074e-05 0.12380952 0.0008543358
```

```
## 666
         4.689477e-03 0.000000e+00 7.422074e-05 0.12380952 0.0008543358
## 667
         4.689477e-03 0.000000e+00 7.422074e-05 0.12380952 0.0008543358
## 668
         4.689477e-03 0.000000e+00 7.422074e-05 0.12380952 0.0008543358
         5.326792e-06 0.000000e+00 1.642052e-07 0.13333333 0.0000000000
## 669
## 670
         5.326792e-06 0.000000e+00 1.642052e-07 0.13333333 0.0000000000
## 671
         5.326792e-06 0.000000e+00 1.642052e-07 0.13333333 0.0000000000
## 672
         5.326792e-06 0.000000e+00 1.642052e-07 0.13333333 0.0000000000
## 673
         3.339500e-01 0.000000e+00 2.040230e-01 0.00000000 0.000000000
## 674
         3.339500e-01 0.000000e+00 2.040230e-01 0.00000000 0.000000000
## 675
         3.339500e-01 0.000000e+00 2.040230e-01 0.00000000 0.000000000
## 676
         3.339500e-01 0.000000e+00 2.040230e-01 0.00000000 0.000000000
## 677
         3.339500e-01 0.000000e+00 2.040230e-01 0.00000000 0.0000000000
##
  678
         3.339500e-01 0.000000e+00 2.040230e-01 0.00000000 0.000000000
## 679
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 680
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 681
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 682
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 683
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.0000000000
## 684
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.0000000000
## 685
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.0000000000
## 686
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 687
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.0000000000
## 688
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 689
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.0000000000
## 690
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 691
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 692
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 693
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 694
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.0000000000
## 695
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.0000000000
## 696
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 697
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 698
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 699
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
##
  700
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.0000000000
## 701
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.0000000000
## 702
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 703
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 704
         8.245903e-03 0.000000e+00 6.257859e-04 0.12380952 0.0136693721
  705
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
##
  706
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 707
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 708
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 709
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 710
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 711
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 712
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 713
##
  714
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 715
```

```
1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 716
## 717
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 718
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 719
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 720
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 721
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
  722
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
##
  723
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 724
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 725
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 726
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 727
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
  728
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 729
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 730
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 731
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 732
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 733
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 734
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 735
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 736
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
  737
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 738
##
  739
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
  740
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
  741
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 742
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 743
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 744
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 745
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
  746
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
## 747
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
  748
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 749
##
  750
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 751
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 752
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 753
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 754
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
  755
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
## 756
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 757
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 758
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 759
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 760
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 761
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 762
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 763
##
  764
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 765
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
```

```
## 766
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 767
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 768
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 769
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 770
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 771
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 772
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
  773
##
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 774
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 775
## 776
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 777
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
##
  778
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 779
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 780
         1.743060e-02 0.000000e+00 4.656366e-02 0.06666667 0.0491243059
## 781
         1.756313e-02 0.000000e+00 9.441798e-04 0.12380952 0.0008543358
## 782
         1.756313e-02 0.000000e+00 9.441798e-04 0.12380952 0.0008543358
## 783
         1.756313e-02 0.000000e+00 9.441798e-04 0.12380952 0.0008543358
## 784
         1.756313e-02 0.000000e+00 9.441798e-04 0.12380952 0.0008543358
## 785
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 786
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 787
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 788
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
##
  789
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 790
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 791
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 792
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 793
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 794
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 795
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 796
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 797
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 798
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 799
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 800
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 801
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 802
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 803
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 804
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 805
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 806
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 807
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 808
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 809
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 810
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 811
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 812
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 813
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 814
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 815
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
```

```
## 816
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 817
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 818
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 819
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 820
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 821
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 822
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 823
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 824
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 825
## 826
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 827
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 828
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 829
## 830
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 831
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 832
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 833
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 834
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 835
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 836
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 837
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 838
## 839
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 840
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 841
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 842
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 843
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 844
## 845
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 846
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 847
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 848
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 849
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 850
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 851
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 852
         2.927027e-03 9.926490e-04 1.381836e-02 0.16190476 0.0021358394
## 853
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 854
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 855
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 856
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 857
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 858
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 859
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 860
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 861
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 862
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 863
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 864
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 865
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
```

```
## 866
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 867
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 868
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 869
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 870
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 871
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 872
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 873
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 874
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 875
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 876
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 877
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 878
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 879
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 880
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 881
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 882
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 883
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 884
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 885
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 886
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 887
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 888
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 889
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 890
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 891
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 892
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 893
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 894
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 895
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 896
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 897
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 898
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 899
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 900
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 901
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 902
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 903
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 904
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 905
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 906
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 907
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 908
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 909
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 910
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 911
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 912
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 913
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 914
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 915
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
```

```
## 916
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 917
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 918
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 919
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 920
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 921
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 922
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 923
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 924
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 925
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 926
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 927
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 928
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 929
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 930
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 931
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 932
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 933
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 934
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 935
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 936
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 937
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 938
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 939
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 940
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 941
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 942
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 943
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 944
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 945
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 946
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 947
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 948
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 949
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 950
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 951
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 952
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 953
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 954
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 955
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 956
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 957
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 958
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 959
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 960
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 961
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 962
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 963
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 964
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 965
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
```

```
## 966
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 967
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 968
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 969
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 970
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 971
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 972
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 973
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 974
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 975
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 976
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 977
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 978
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 979
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 980
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 981
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 982
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 983
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 984
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 985
         1.406856e-05 0.000000e+00 3.284104e-06 0.17142857 0.0000000000
## 986
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 987
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 988
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 989
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 990
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 991
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 992
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 993
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 994
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 995
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 996
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 997
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 998
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 999
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1000
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1001
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1002
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1003
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1004
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1005
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1006
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1007
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1008
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1009
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1010
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1011
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1012
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1013
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1014
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1015
        2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
```

```
2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1016
## 1017
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1018
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1019
## 1020
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1021
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1022
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1023
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1024
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1025
## 1026
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1027
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1028
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1029
## 1030
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1031
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1032
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1033
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1034
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1035
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1036
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1037
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1038
## 1039
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1040
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1041
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1042
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1043
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1044
## 1045
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1046
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1047
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1048
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1049
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1050
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1051
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1052
## 1053
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1054
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1055
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1056
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1057
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1058
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1059
## 1060
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1061
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1062
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1063
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1064
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1065
        2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
```

```
## 1066
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1067
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1068
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1069
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1070
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1071
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1072
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1073
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1074
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1075
## 1076
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1077
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1078
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1079
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1080
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1081
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1082
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1083
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1084
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1085
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1086
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1087
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1088
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1089
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1090
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1091
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1092
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1093
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1094
## 1095
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1096
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1097
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1098
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1099
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1100
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1101
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1102
## 1103
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1104
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1105
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1106
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1107
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1108
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1109
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1110
## 1111
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1112
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1113
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1114
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
```

```
5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1116
## 1117
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1118
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1119
## 1120
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1121
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1122
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1123
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1124
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1125
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1126
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1127
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1128
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1129
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1130
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1131
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1132
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1133
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1134
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1135
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1136
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1137
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1138
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1139
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1140
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1141
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1142
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1143
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1144
## 1145
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1146
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1147
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1148
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1149
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1150
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1151
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1152
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1153
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1154
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1155
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1157
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1158
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1159
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1160
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1161
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1162
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1163
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1164
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
        5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.000000000
```

```
5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1166
## 1167
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1168
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1169
## 1170
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1171
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1172
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1173
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1174
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1175
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1176
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1177
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1178
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1179
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1180
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1181
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1182
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1183
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1184
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1185
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1186
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1187
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1188
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1189
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1190
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1191
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1192
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1193
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1194
## 1195
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1196
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1197
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1198
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1199
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1200
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1201
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1202
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1203
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1204
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1205
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1207
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1208
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1209
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1210
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1211
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1212
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1213
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
##
  1214
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
```

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

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

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

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

```
1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1416
## 1417
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1418
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1419
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1420
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1421
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1422
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1423
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1424
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1425
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1426
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1427
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1428
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1429
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1430
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1431
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1432
         1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
## 1433
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1434
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1435
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1436
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1437
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1438
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1439
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1440
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1441
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1442
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1443
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1444
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1445
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1446
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1447
## 1448
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1449
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1450
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1451
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1452
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1453
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1454
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1455
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1456
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1457
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1458
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1459
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1460
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1461
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1462
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1463
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1464
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1465
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
```

```
## 1466
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1467
        1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1468
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1469
        1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1470
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1471
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1472
         1.869206e-02 1.877985e-04 3.188897e-02 0.07619048 0.0000000000
## 1473
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1474
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1475
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1476
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1477
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1478
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1479
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1480
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1481
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1482
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1483
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1484
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1485
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1486
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1487
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1488
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1489
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1490
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1491
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1492
        1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1493
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1494
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1495
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1496
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1497
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1498
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1499
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1500
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1501
        1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1502
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1503
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1504
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1505
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1506
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1507
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1508
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1509
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1510
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1511
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1512
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1513
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1514
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
```

```
4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1516
## 1517
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1518
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1519
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1520
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1521
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1522
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1523
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1524
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1525
## 1526
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1527
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1528
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1529
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1530
## 1531
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1532
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1533
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1534
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1535
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1536
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1537
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1538
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1539
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1540
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1541
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1542
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1543
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1544
## 1545
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1546
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1547
## 1548
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1549
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1550
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1551
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1552
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1553
## 1554
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1555
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1556
## 1557
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1558
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1559
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1560
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1561
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1562
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1563
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1564
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
        4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
```

```
4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1566
## 1567
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1568
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1569
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1570
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1571
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1572
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1573
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1574
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1575
## 1576
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1577
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1578
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1579
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1580
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1581
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1582
         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1583
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1584
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1585
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1586
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1587
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1588
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1589
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1590
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.000000000
## 1591
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1592
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1593
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1594
## 1595
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1596
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1597
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1598
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1599
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.000000000
## 1600
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1601
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1602
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1603
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1604
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1605
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.000000000
## 1606
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1607
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.000000000
## 1608
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1609
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1610
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1611
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1612
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1613
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1614
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
        4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
```

```
4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1616
## 1617
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1618
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1619
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1620
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1621
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1622
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1623
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.000000000
## 1624
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1625
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1626
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1627
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1628
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1629
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1630
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1631
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1632
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1633
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1634
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1635
         4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
## 1636
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1637
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1638
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1639
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1640
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1641
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1642
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1643
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1644
## 1645
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1646
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1647
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1648
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1649
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1650
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1651
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1652
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1653
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1654
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1655
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1656
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.000000000
## 1657
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1658
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1659
## 1660
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1661
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1662
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1663
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1664
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1665
       2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.000000000
```

```
2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1666
## 1667
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1668
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1669
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1670
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1671
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1672
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1673
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1674
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1675
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1676
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1677
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1678
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1679
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1680
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1681
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1682
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1683
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1684
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1685
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1686
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1687
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1688
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.000000000
## 1689
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1690
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1691
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1692
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1693
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1694
## 1695
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.000000000
## 1696
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1697
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1698
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1699
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1700
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1701
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1702
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1703
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1704
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1705
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1706
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1707
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1708
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1709
## 1710
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1711
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1712
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1713
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1714
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1715 2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
```

```
2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1716
## 1717
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1718
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1719
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1720
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1721
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1722
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1723
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1724
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1725
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1726
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1727
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.000000000
## 1728
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1729
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1730
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1731
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1732
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1733
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1734
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1735
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1736
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1737
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1738
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1739
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1740
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1741
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1742
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1743
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1744
## 1745
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1746
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1747
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1748
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1749
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1750
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1751
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1752
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1753
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1754
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1755
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1756
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1757
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1758
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1759
## 1760
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1761
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1762
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1763
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1764
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
```

```
## 1766
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1767
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1768
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1769
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1770
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.000000000
## 1771
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1772
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1773
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1774
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1775
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1776
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1777
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1778
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1779
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1780
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1781
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1782
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1783
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1784
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1785
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1786
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1787
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1788
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1789
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1790
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1791
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1792
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1793
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1794
## 1795
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1796
        2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1797
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1798
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1799
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1800
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1801
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1802
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1803
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1804
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1805
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1806
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1807
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1808
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1809
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1810
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1811
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1812
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1813
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1814
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
```

```
2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1816
## 1817
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1818
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1819
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1820
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.000000000
## 1821
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1822
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1823
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1824
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1825
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1826
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1827
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1828
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1829
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1830
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1831
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1832
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1833
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1834
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1835
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1836
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1837
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1838
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1839
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1840
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1841
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1842
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1843
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1844
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1845
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1846
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1847
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1848
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1849
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1850
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
##
  1851
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
##
               X806.0 X11.291044776119403
                                                   X1.0 X70.49513846124168
## 1
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 2
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 3
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 4
                             4.823172e-03 0.0004271679
         0.3442973088
                                                              0.0963845542
## 5
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 6
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 7
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 8
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 9
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 10
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 11
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 12
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
## 13
         0.3442973088
                             4.823172e-03 0.0004271679
                                                              0.0963845542
```

	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		16	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		17	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		18	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		19	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		20	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		21	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		25	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		26	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		27	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		28	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		29	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		30	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		31	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		32	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		33	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		38	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
		41	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##	_	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	##		0.3442973088	4.823172e-03 0.0004271679	0.0963845542
‡	##	63	0.3442973088	4.823172e-03 0.0004271679	0.0963845542

	64	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	65	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	66	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	67	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	68	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	69	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	70	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	71	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	72	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	73	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	74	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	75	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	76	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	77	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	78	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	79	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	80	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	81	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	82	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	83	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	84	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	85	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	86	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	87	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	88	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	89	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	90	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	91	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	92	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	93	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	94	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	95	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	96	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	97	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	98	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	99	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	100	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	101	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	102	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	103	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	104	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	105	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	106	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	107	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	108	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	109	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	110	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	111	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	112	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	113	0.3442973088	4.823172e-03 0.0004271679	0.0963845542

	114	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	115	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	116	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	117	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	118	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	119	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	120	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	121	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	122	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	123	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	124	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	125	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	126	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	127	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	128	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	129	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	130	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	131	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	132	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	133	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
##	134	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	135	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	136	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	137	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	138	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	139	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	140	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	141	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	142	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	143	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	144	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
	145	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	146	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
	147	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	148	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	149	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	150	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	151	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	152	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	153	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	154	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	155	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	156	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	157	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
	158	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
	159	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
	160	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
	161	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
	162	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	163	0.8573259291	2.576425e-01 0.2112345152	0.5806462414

	164	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	165	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	166	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
	167	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	168	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	169	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	170	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	171	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	172	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	173	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	174	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	175	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	176	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	177	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	178	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	179	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	180	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	181	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	182	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	183	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	184	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	185	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	186	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	187	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	188	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	189	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	190	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	191	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	192	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	193	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	194	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	195	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	196	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	197	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	198	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	199	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	200	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	201	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	202	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	203	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	204	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	205	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	206	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	207	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	208	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	209	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	210	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	211	0.8573259291	2.576425e-01 0.2112345152	0.5806462414
##	212	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	213	0.5241349850	3.684579e-02 0.0029901751	0.2497278108

```
## 214
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 215
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 216
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 217
         0.5241349850
## 218
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 219
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 220
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 221
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 222
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 223
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 224
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
                              3.684579e-02 0.0029901751
## 225
         0.5241349850
                                                                0.2497278108
## 226
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 227
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 228
         0.5241349850
## 229
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 230
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 231
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 232
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 233
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
                              3.684579e-02 0.0029901751
## 234
                                                                0.2497278108
         0.5241349850
## 235
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 236
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 237
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 238
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 239
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 240
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 241
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 242
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 243
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 244
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 245
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 246
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 247
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
##
  248
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 249
                                                                0.2497278108
         0.5241349850
                              3.684579e-02 0.0029901751
## 250
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 251
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 252
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 253
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 254
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 255
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
                                                                0.2497278108
## 256
         0.5241349850
                              3.684579e-02 0.0029901751
## 257
                              3.684579e-02 0.0029901751
         0.5241349850
                                                                0.2497278108
## 258
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
                                                                0.2497278108
## 259
         0.5241349850
                              3.684579e-02 0.0029901751
## 260
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 261
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 262
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 263
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
```

```
## 264
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 265
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 266
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
                              3.684579e-02 0.0029901751
## 267
         0.5241349850
                                                                0.2497278108
## 268
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 269
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 270
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 271
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 272
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 273
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 274
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 275
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 276
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 277
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 278
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 279
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 280
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 281
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 282
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 283
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
                              3.684579e-02 0.0029901751
## 284
                                                                0.2497278108
         0.5241349850
## 285
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 286
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 287
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 288
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
##
  289
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 290
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 291
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 292
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 293
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 294
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 295
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 296
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 297
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
##
  298
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 299
                                                                0.2497278108
         0.5241349850
                              3.684579e-02 0.0029901751
## 300
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 301
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
## 302
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
                                                                0.2497278108
## 303
         0.5241349850
                              3.684579e-02 0.0029901751
##
  304
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
##
  305
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
                                                                0.2497278108
## 306
         0.5241349850
                              3.684579e-02 0.0029901751
                              3.684579e-02 0.0029901751
## 307
         0.5241349850
                                                                0.2497278108
## 308
                              3.684579e-02 0.0029901751
                                                                0.2497278108
         0.5241349850
                                                                0.2497278108
## 309
         0.5241349850
                              3.684579e-02 0.0029901751
## 310
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 311
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 312
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
## 313
         0.5241349850
                              3.684579e-02 0.0029901751
                                                                0.2497278108
```

##	314	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	315	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##		0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##		0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	318	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	319	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	320	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	321	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	322	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	323	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	324	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	325	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	326	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	327	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	328	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	329	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	330	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	331	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	332	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
	333	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
	334	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	335	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
	336	0.5241349850	3.684579e-02 0.0029901751	0.2497278108
##	337	0.0187953866	4.093692e-03 0.0008543358	0.0189242757
##		0.0187953866	4.093692e-03 0.0008543358	0.0189242757
	339	0.0187953866	4.093692e-03 0.0008543358	0.0189242757
##		0.0187953866	4.093692e-03 0.0008543358	0.0189242757
##		0.0187953866	4.093692e-03 0.0008543358	0.0189242757
##		0.0187953866	4.093692e-03 0.0008543358	0.0189242757
##		0.0187953866	4.093692e-03 0.0008543358	0.0189242757
##		0.0187953866	4.093692e-03 0.0008543358	0.0189242757
##		0.0187953866	4.093692e-03 0.0008543358	0.0189242757
	346	0.0187953866	4.093692e-03 0.0008543358	0.0189242757
	347	0.0187953866	4.093692e-03 0.0008543358	0.0189242757
	348	0.0187953866	4.093692e-03 0.0008543358	0.0189242757
	349	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	350	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	351	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	352	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	353	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	354	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	355	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	356	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	357	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	358	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	359	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	360	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	361	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	362 363	0.3887227680 0.3887227680	6.821953e-02 0.0533959846 6.821953e-02 0.0533959846	0.2101138999 0.2101138999
++++	202	0.300/22/000	0.0213736-02 0.033333340	0.7101130333

	# 364	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 365	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#:		0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#:		0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#:	# 368	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 369	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#	# 370	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 371	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#	# 372	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#	# 373	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 374	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 375	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 376	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#:		0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#:		0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 379	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 380	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 381	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 382	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 383	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 384	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 385	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 386	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 387	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#:		0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 389	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 390	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#:		0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 392	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 393	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 394	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 395	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 396	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 397	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 398	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 399	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 400	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 401	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 402	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 403	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 404	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 405	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 406	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 407	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 408	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 409	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 410	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 411	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	# 412	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
#	# 413	0.3887227680	6.821953e-02 0.0533959846	0.2101138999

	414	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	415	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	416	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	417	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	418	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	419	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	420	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	421	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	422	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	423	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	424	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	425	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	426	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	427	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	428	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	429	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	430	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	431	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	432	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	433	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	434	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	435	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	436	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	437	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	438	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	439	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	440	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	441	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	442	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	443	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	444	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	445	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	446	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	447	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	448	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	449	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	450	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	451	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	452	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	453	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	454	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	455	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	456 457	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	457	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	458 450	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	459 460	0.3887227680	6.821953e-02 0.0533959846 6.821953e-02 0.0533959846	0.2101138999 0.2101138999
	461	0.3887227680 0.3887227680	6.821953e-02 0.0533959846 6.821953e-02 0.0533959846	0.2101138999
	461	0.3887227680	6.821953e-02 0.0533959846 6.821953e-02 0.0533959846	0.2101138999
	462	0.3887227680	6.821953e-02 0.0533959846 6.821953e-02 0.0533959846	0.2101138999
πĦ	-103	0.300/22/000	0.0217776-02 0.0777777040	0.2101130333

	464	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	465	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	466	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	467	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	468	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	469	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	470	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	471	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	472	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	473	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	474	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	475	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	476	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	477	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	478	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	479	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	480	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	481	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	482	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	483	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	484	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	485	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	486	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	487	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	488	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	489	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	490	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	491	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	492	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	493	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	494	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	495	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	496	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	497	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	498	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	499	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##		0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	501	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	502	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	503	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	504	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	505	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	506	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	507	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	508	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	509	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	510	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	511	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	512	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	513	0.3887227680	6.821953e-02 0.0533959846	0.2101138999

	514	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	515	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	516	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	517	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	518	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	519	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	520	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	521	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	522	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	523	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	524	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	525	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	526	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	527	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	528	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	529	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	530	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	531	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	532	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	533	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	534	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	535	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	536	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	537	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	538	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	539	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	540	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	541	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	542	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	543	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	544	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	545	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	546	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	547	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	548	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	549	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	550	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	551	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	552	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	553	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	554	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	555	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
	556	0.3887227680	6.821953e-02 0.0533959846	0.2101138999
##	557	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	558	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	559	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	560	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	561	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	562	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	563	0.1213156771	1.066711e-02 0.0070482700	0.0493746713

## 564	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 565	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 566	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 567	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 568	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 569	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 570	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 571	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 572	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 573	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 574	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 575	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 576	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 577	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 578	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 579	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 580	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 581	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 582	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 583	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 584	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 585	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 586	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 587	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 588	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 589	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 590	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 591	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 592	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 593	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 594	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 595	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 596	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 597	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 598	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 599	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 600	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 601	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 602	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 603	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 604	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 605	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 606	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 607	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 608	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 609	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 610	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 611	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 612	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
## 613	0.1213156771	1.066711e-02 0.0070482700	0.0493746713

##	614	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	615	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	616	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	617	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	618	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	619	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	620	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	621	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	622	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	623	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	624	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	625	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	626	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	627	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	628	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	629	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	630	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	631	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	632	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	633	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	634	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	635	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	636	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	637	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	638	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	639	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	640	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	641	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	642	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	643	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	644	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	645	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	646	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	647	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	648	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	649	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	650	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	651	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	652	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	653	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	654	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	655	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	656	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	657	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	658	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	659	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	660	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	661	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
	662	0.1213156771	1.066711e-02 0.0070482700	0.0493746713
##	663	0.0029901751	1.708672e-03 0.0017086715	0.0020885105

##	664	0.0029901751	1.708672e-03	0.0017086715	0.0020885105
##	665	0.0029901751	1.708672e-03	0.0017086715	0.0020885105
##	666	0.0029901751		0.0017086715	0.0020885105
##	667	0.0029901751	1.708672e-03	0.0017086715	0.0020885105
##	668	0.0029901751	1.708672e-03	0.0017086715	0.0020885105
##	669	0.000000000	0.000000e+00	0.000000000	0.0000000000
##	670	0.000000000	0.000000e+00	0.000000000	0.0000000000
##	671	0.000000000	0.000000e+00	0.000000000	0.0000000000
##	672	0.000000000	0.000000e+00	0.000000000	0.0000000000
##	673	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
##	674	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
##	675	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
##	676	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
##	677	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
##	678	0.1277231952	3.645166e-02	0.0207176420	0.1362060867
##	679	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##	680	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##	681	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##	682	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##		0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##	684	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##	685	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##	686	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##	687	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##		0.0046988466		0.0004271679	0.0034804530
	689	0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##		0.0046988466	6.834686e-04	0.0004271679	0.0034804530
##		0.0046988466		0.0004271679	0.0034804530
	692	0.0046988466		0.0004271679	0.0034804530
	693	0.0046988466		0.0004271679	0.0034804530
	694	0.0046988466		0.0004271679	0.0034804530
##		0.0046988466		0.0004271679	0.0034804530
	696	0.0046988466		0.0004271679	0.0034804530
	697	0.0046988466		0.0004271679	0.0034804530
	698	0.0046988466		0.0004271679	0.0034804530
	699	0.0046988466		0.0004271679	0.0034804530
##		0.0046988466		0.0004271679	0.0034804530
##		0.0046988466		0.0004271679	0.0034804530
##		0.0046988466		0.0004271679	0.0034804530
##		0.0046988466		0.0004271679	0.0034804530
	704	0.0136693721		0.0136693721	0.0000000000
	705	0.0017086715		0.000000000	0.0014149276
	706	0.0017086715		0.0000000000	0.0014149276
	707	0.0017086715		0.0000000000	0.0014149276
##		0.0017086715		0.0000000000	0.0014149276
	709	0.0017086715		0.0000000000	0.0014149276
##		0.0017086715		0.0000000000	0.0014149276
	711	0.0017086715		0.0000000000	0.0014149276
	712	0.0017086715		0.0000000000	0.0014149276
##	713	0.0017086715	3.185659e-04	0.0000000000	0.0014149276

```
## 714
         0.0017086715
                               3.185659e-04 0.00000000000
                                                                0.0014149276
## 715
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 716
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 717
                              3.185659e-04 0.00000000000
         0.0017086715
                                                                0.0014149276
## 718
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 719
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 720
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
##
  721
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 722
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 723
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 724
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 725
                              3.185659e-04 0.0000000000
         0.0017086715
                                                                0.0014149276
##
  726
                              3.185659e-04 0.00000000000
                                                                0.0014149276
         0.0017086715
## 727
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 728
                              3.185659e-04 0.00000000000
                                                                0.0014149276
         0.0017086715
## 729
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 730
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 731
                              3.185659e-04 0.00000000000
         0.0017086715
                                                                0.0014149276
## 732
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 733
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 734
                              3.185659e-04 0.0000000000
                                                                0.0014149276
         0.0017086715
## 735
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
                               3.185659e-04 0.0000000000
## 736
         0.0017086715
                                                                0.0014149276
##
  737
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 738
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 739
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 740
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 741
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 742
                              3.185659e-04 0.0000000000
         0.0017086715
                                                                0.0014149276
## 743
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
  744
                              3.185659e-04 0.0000000000
##
         0.0017086715
                                                                0.0014149276
## 745
                              3.185659e-04 0.00000000000
         0.0017086715
                                                                0.0014149276
##
  746
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 747
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
##
  748
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 749
                              3.185659e-04 0.0000000000
         0.0017086715
                                                                0.0014149276
                              3.185659e-04 0.0000000000
## 750
         0.0017086715
                                                                0.0014149276
## 751
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 752
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
  753
                              3.185659e-04 0.0000000000
##
         0.0017086715
                                                                0.0014149276
## 754
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 755
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 756
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 757
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
## 758
                              3.185659e-04 0.00000000000
         0.0017086715
                                                                0.0014149276
## 759
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 760
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
                              3.185659e-04 0.00000000000
## 761
         0.0017086715
                                                                0.0014149276
##
  762
         0.0017086715
                              3.185659e-04 0.00000000000
                                                                0.0014149276
## 763
         0.0017086715
                              3.185659e-04 0.0000000000
                                                                0.0014149276
```

```
## 764
                              1.408649e-01 0.0999572832
         0.3677915421
                                                                0.3054299476
## 765
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
## 766
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
  767
                              1.408649e-01 0.0999572832
##
         0.3677915421
                                                                0.3054299476
## 768
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
## 769
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
  770
                              1.408649e-01 0.0999572832
                                                                0.3054299476
##
         0.3677915421
##
  771
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
## 772
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
## 773
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
## 774
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
  775
##
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
##
  776
                              1.408649e-01 0.0999572832
                                                                0.3054299476
         0.3677915421
## 777
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
  778
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
##
##
  779
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
##
  780
         0.3677915421
                              1.408649e-01 0.0999572832
                                                                0.3054299476
## 781
         0.2071764203
                              9.750107e-02 0.0909867578
                                                                0.2543075524
## 782
         0.2071764203
                              9.750107e-02 0.0909867578
                                                                0.2543075524
## 783
         0.2071764203
                              9.750107e-02 0.0909867578
                                                                0.2543075524
  784
                              9.750107e-02 0.0909867578
                                                                0.2543075524
##
         0.2071764203
##
  785
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
  786
##
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
##
  787
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
##
  788
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
##
  789
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 790
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 791
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 792
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 793
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
  794
                              4.061236e-02 0.0348141820
##
         0.1571977787
                                                                0.1055949455
## 795
                              4.061236e-02 0.0348141820
         0.1571977787
                                                                0.1055949455
##
  796
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
##
  797
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
  798
##
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
  799
                              4.061236e-02 0.0348141820
##
         0.1571977787
                                                                0.1055949455
                              4.061236e-02 0.0348141820
## 800
         0.1571977787
                                                                0.1055949455
## 801
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 802
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 803
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
##
  804
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 805
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 806
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 807
                              4.061236e-02 0.0348141820
         0.1571977787
                                                                0.1055949455
## 808
                              4.061236e-02 0.0348141820
         0.1571977787
                                                                0.1055949455
## 809
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 810
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 811
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 812
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
## 813
         0.1571977787
                              4.061236e-02 0.0348141820
                                                                0.1055949455
```

## 814	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 815	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 816	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 817	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 818	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 819	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 820	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 821	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 822	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 823	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 824	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 825	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 826	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 827	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 828	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 829	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 830	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 831	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 832	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 833	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 834	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 835	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 836	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 837	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 838	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 839	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 840	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 841	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 842	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 843	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 844	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 845	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 846	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 847	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 848	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 849	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 850	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 851	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 852	0.1571977787	4.061236e-02 0.0348141820	0.1055949455
## 853	0.0055531824	5.427923e-04 0.0000000000	0.0028410252
## 854	0.0055531824	5.427923e-04 0.0000000000	0.0028410252
## 855	0.0055531824	5.427923e-04 0.0000000000	0.0028410252
## 856	0.0055531824	5.427923e-04 0.0000000000	0.0028410252
## 857	0.0055531824	5.427923e-04 0.0000000000	0.0028410252
## 858	0.0055531824	5.427923e-04 0.0000000000	0.0028410252
## 859	0.0055531824	5.427923e-04 0.0000000000	0.0028410252
## 860	0.0055531824	5.427923e-04 0.0000000000	0.0028410252
## 861	0.0055531824	5.427923e-04 0.0000000000	0.0028410252
## 862	0.0055531824	5.427923e-04 0.0000000000	0.0028410252
## 863	0.0055531824	5.427923e-04 0.0000000000	0.0028410252

		864	0.0055531824		0.000000000	0.0028410252
Ŧ		865	0.0055531824		0.0000000000	0.0028410252
		866	0.0055531824		0.000000000	0.0028410252
Ŧ		867	0.0055531824		0.000000000	0.0028410252
		868	0.0055531824	5.427923e-04	0.000000000	0.0028410252
		869	0.0055531824	5.427923e-04	0.000000000	0.0028410252
ŧ	##	870	0.0055531824		0.000000000	0.0028410252
		871	0.0055531824		0.000000000	0.0028410252
		872	0.0055531824		0.000000000	0.0028410252
ŧ	##	873	0.0055531824		0.000000000	0.0028410252
Ŧ	##	874	0.0055531824	5.427923e-04	0.000000000	0.0028410252
ŧ	##	875	0.0055531824	5.427923e-04	0.000000000	0.0028410252
		876	0.0055531824		0.000000000	0.0028410252
Ŧ	##	877	0.0055531824	5.427923e-04	0.000000000	0.0028410252
ŧ	##	878	0.0055531824	5.427923e-04	0.000000000	0.0028410252
ŧ	##	879	0.0055531824	5.427923e-04	0.000000000	0.0028410252
ŧ	##	880	0.0055531824	5.427923e-04	0.000000000	0.0028410252
		881	0.0055531824		0.000000000	0.0028410252
		882	0.0055531824		0.000000000	0.0028410252
		883	0.0055531824		0.000000000	0.0028410252
		884	0.0055531824		0.000000000	0.0028410252
		885	0.0055531824		0.0000000000	0.0028410252
		886	0.0055531824		0.0000000000	0.0028410252
		887	0.0055531824		0.0000000000	0.0028410252
		888	0.0055531824		0.0000000000	0.0028410252
		889	0.0055531824		0.0000000000	0.0028410252
		890	0.0055531824		0.0000000000	0.0028410252
		891	0.0055531824		0.0000000000	0.0028410252
		892	0.0055531824		0.000000000	0.0028410252
		893	0.0055531824		0.0000000000	0.0028410252
		894	0.0055531824		0.0000000000	0.0028410252
		895	0.0055531824		0.0000000000	0.0028410252
		896	0.0055531824		0.0000000000	0.0028410252
		897	0.0055531824		0.0000000000	0.0028410252
		898	0.0055531824		0.0000000000	0.0028410252
		899	0.0055531824		0.0000000000	0.0028410252
		900	0.0055531824		0.0000000000	0.0028410252
		901	0.0055531824		0.0000000000	0.0028410252
		902	0.0055531824		0.0000000000	0.0028410252
		903	0.0055531824		0.0000000000	0.0028410252
		904	0.0055531824		0.0000000000	0.0028410252
		905	0.0055531824		0.0000000000	0.0028410252
		906	0.0055531824		0.0000000000	0.0028410252
		907	0.0055531824		0.0000000000	0.0028410252
		908	0.0055531824		0.0000000000	0.0028410252
		909	0.0055531824		0.0000000000	0.0028410252
		910	0.0055531824		0.000000000	0.0028410252
		911	0.0055531824		0.0000000000	0.0028410252
		912	0.0055531824		0.000000000	0.0028410252
7	H H	913	0.0055531824	3.42/923e-04	0.0000000000	0.0028410252

##	914	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	915	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	916	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	917	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	918	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	919	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	920	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	921	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	922	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	923	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	924	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	925	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	926	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	927	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	928	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	929	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	930	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	931	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	932	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	933	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	934	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	935	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	936	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	937	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	938	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	939	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	940	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	941	0.0055531824	5.427923e-04	0.000000000	0.0028410252
	942	0.0055531824	5.427923e-04	0.000000000	0.0028410252
	943	0.0055531824		0.000000000	0.0028410252
	944	0.0055531824		0.0000000000	0.0028410252
	945	0.0055531824		0.000000000	0.0028410252
	946	0.0055531824		0.0000000000	0.0028410252
	947	0.0055531824		0.0000000000	0.0028410252
	948	0.0055531824		0.000000000	0.0028410252
	949	0.0055531824		0.0000000000	0.0028410252
	950	0.0055531824		0.0000000000	0.0028410252
	951	0.0055531824		0.0000000000	0.0028410252
	952	0.0055531824		0.0000000000	0.0028410252
	953	0.0055531824		0.0000000000	0.0028410252
	954	0.0055531824		0.000000000	0.0028410252
	955	0.0055531824		0.0000000000	0.0028410252
	956	0.0055531824		0.0000000000	0.0028410252
	957	0.0055531824		0.000000000	0.0028410252
	958	0.0055531824		0.0000000000	0.0028410252
	959	0.0055531824		0.0000000000	0.0028410252
	960	0.0055531824		0.0000000000	0.0028410252
	961	0.0055531824		0.0000000000	0.0028410252
	962	0.0055531824		0.0000000000	0.0028410252
##	963	0.0055531824	5.42/923e-04	0.0000000000	0.0028410252

##	964	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	965	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	966	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	967	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	968	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	969	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	970	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	971	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	972	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	973	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	974	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	975	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	976	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	977	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	978	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	979	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	980	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	981	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	982	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	983	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	984	0.0055531824	5.427923e-04	0.0000000000	0.0028410252
##	985	0.0055531824	5.427923e-04	0.000000000	0.0028410252
##	986	0.3255019223	3.287021e-02	0.0194361384	0.1557590362
##	987	0.3255019223	3.287021e-02	0.0194361384	0.1557590362
##	988	0.3255019223	3.287021e-02	0.0194361384	0.1557590362
##	989	0.3255019223	3.287021e-02	0.0194361384	0.1557590362
##	990	0.3255019223	3.287021e-02	0.0194361384	0.1557590362
##	991	0.3255019223	3.287021e-02	0.0194361384	0.1557590362
	992	0.3255019223	3.287021e-02	0.0194361384	0.1557590362
	993	0.3255019223		0.0194361384	0.1557590362
	994	0.3255019223		0.0194361384	0.1557590362
	995	0.3255019223		0.0194361384	0.1557590362
	996	0.3255019223		0.0194361384	0.1557590362
	997	0.3255019223		0.0194361384	0.1557590362
	998	0.3255019223		0.0194361384	0.1557590362
	999	0.3255019223		0.0194361384	0.1557590362
	1000	0.3255019223		0.0194361384	0.1557590362
	1001	0.3255019223		0.0194361384	0.1557590362
	1002	0.3255019223		0.0194361384	0.1557590362
	1003	0.3255019223		0.0194361384	0.1557590362
	1004	0.3255019223		0.0194361384	0.1557590362
	1005	0.3255019223		0.0194361384	0.1557590362
	1006	0.3255019223		0.0194361384	0.1557590362
	1007	0.3255019223		0.0194361384	0.1557590362
	1008	0.3255019223		0.0194361384	0.1557590362
	1009	0.3255019223		0.0194361384	0.1557590362
	1010	0.3255019223		0.0194361384	0.1557590362
	1011	0.3255019223		0.0194361384	0.1557590362
	1012	0.3255019223		0.0194361384	0.1557590362
##	1013	0.3255019223	3.28/021e-02	0.0194361384	0.1557590362

## 1014	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1015	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1016	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1017	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1018	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1019	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1020	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1021	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1022	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1023	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1024	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1025	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1026	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1027	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1028	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1029	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1030	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1031	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1032	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1033	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1034	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1035	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1036	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1037	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1038	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1039	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1040	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1041	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1042	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1043	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1044	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1045	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1046	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1047	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1048	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1049	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1050	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1051	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1052	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1053	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1054	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1055	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1056	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1057	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1058	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1059	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1060	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1061	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1062	0.3255019223	3.287021e-02 0.0194361384	0.1557590362
## 1063	0.3255019223	3.287021e-02 0.0194361384	0.1557590362

## 1064 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1066 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1067 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1068 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1070 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1071 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1072 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1073 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1074 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1075 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1076 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1077 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1077 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1079 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1079 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1079 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1080 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1080 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1081 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1082 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1088 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1089 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1090 0.3255019223 3.287021e-02 0.0194361384 0.1557590362	## 1065 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1067 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1068 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1070 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1070 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1071 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1071 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1073 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1073 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1074 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1075 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1075 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1076 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1076 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1078 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1078 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1078 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1088 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1081 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1089 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1089 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1089 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1090 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 109						
## 1066	## 1066						
## 1067	## 1067						
## 1068	## 1068						
## 1069	## 1069						
## 1070	## 1070	##	1068	0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1071	## 1071	##	1069	0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1072	## 1072				3.287021e-02 0.019	94361384	0.1557590362
## 1073	## 1073	##	1071				0.1557590362
## 1074	## 1074	##	1072	0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1075	## 1075	##	1073	0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1076	## 1076			0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1077	## 1077	##	1075		3.287021e-02 0.019	94361384	0.1557590362
## 1078	## 1078						0.1557590362
## 1079	## 1079	##	1077		3.287021e-02 0.019	94361384	0.1557590362
## 1080	## 1080						
## 1081	## 1081						0.1557590362
## 1082	## 1082	##	1080	0.3255019223	3.287021e-02 0.019	94361384	0.1557590362
## 1083	## 1083						
## 1084	## 1084						
## 1085	## 1085						
## 1086	## 1086 0.3255019223						
## 1087	## 1087						
## 1088	## 1088						
## 1089	## 1089						
## 1090 0.3255019223	## 1090 0.3255019223						
## 1091 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1092 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1093 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1094 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1095 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1096 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1097 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1098 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1099 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1101 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.43255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1091 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1092 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1093 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1094 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1095 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1096 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1097 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1098 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1099 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1101 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1092	## 1092						
## 1093	## 1093						
## 1094 0.3255019223	## 1094						
## 1095 0.3255019223	## 1095 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1096 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1097 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1098 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1099 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1101 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1103 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1096 0.3255019223	## 1096 0.3255019223						
## 1097 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1099 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1101 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1103 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1097						
## 1098	## 1098						
## 1099	## 1099						
## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1101 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1103 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1100 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1101 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1103 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1101 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1103 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1101 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1103 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1103 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1102 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1103 0.3255019223 3.287021e-02 0.0194361384 0.1557590362 ## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1103 0.3255019223	## 1103 0.3255019223						
## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1104 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1105 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1105						
## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1106 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1107 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1108 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1108 0.0448526271	## 1108						
## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1109 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307	## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307						
## 1112 $\alpha \alpha 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 $	## 1113 M'AA403707/1 3'2101834-NJ M'ANJAJA N'AINJAJAJAJA						
## TII) 0.04403202/I 3.3I0I038-03 0.002I330334 0.0I8032I30/		##	1112	U. U440JZDZ/I	J. JIUIUJE-UJ W.WWZ	11330374	0.010037130/

## 1114	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1115	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1116	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1117	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1118	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1119	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1120	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1121	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1122	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1123	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1124	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1125	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1126	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1127	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1128	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1129	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1130	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1131	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1132	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1133	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1134	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1135	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1136	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1137	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1138	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1139	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1140	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1141	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1142	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1143	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1144	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1145	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1146	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1147	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1148	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1149	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1150	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1151	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1152	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
## 1153 ## 1154	0.0448526271 0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307 0.0186521307
## 1154 ## 1155	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1156		3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	
## 1156	0.0448526271 0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307 0.0186521307
## 1157 ## 1158	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1158	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1160	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1160	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1161	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
## 1162	0.0448526271	3.916103e-03 0.0021358394 3.916103e-03 0.0021358394	0.0186521307
"" 1103	J. J. T. T. J. Z.	3.7101030 03 0.0021330374	0.0100721707

##	1164	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
	1165	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1166	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1167	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1168	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1169	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1170	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1171	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1172	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1173	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1174	0.0448526271	3.916103e-03		0.0186521307
	1175	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1176	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1177	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1178	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1179	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1180	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1181	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1182	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1183	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1184	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1185	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1186	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1187	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1188	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1189	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1190	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1191	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1192	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1193	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1194	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
	1195	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1196	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1197	0.0448526271	3.916103e-03		0.0186521307
##	1198	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1199	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1200	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
	1201	0.0448526271	3.916103e-03		0.0186521307
##	1202	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1203	0.0448526271	3.916103e-03		0.0186521307
##	1204	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1205	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1206	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1207	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1208	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1209	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1210	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1211	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1212	0.0448526271	3.916103e-03	0.0021358394	0.0186521307
##	1213	0.0448526271	3.916103e-03	0.0021358394	0.0186521307

##	‡ 1214	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1215	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	[‡] 1216	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1217	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1218	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1219	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1220	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1221	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1222	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1223	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	[‡] 1224	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 122 5	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1226	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1227	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1228	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1229	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1230	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1231	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	[‡] 1232	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1233	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	[‡] 1234	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1235	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1236	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1237	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	[‡] 1238	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1239	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1240	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1241	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1242	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1243	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1244	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	‡ 1245	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1246	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1247	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1248	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1249	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1250	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1251	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1252	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	1253	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1254	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1255	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	1256	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1257	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1258	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1259	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	‡ 1260	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	1261	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
	1262	0.0448526271	3.916103e-03 0.0021358394	0.0186521307
##	1263	0.0448526271	3.916103e-03 0.0021358394	0.0186521307

## 126		3.916103e-03		0.0186521307
## 126		3.916103e-03		0.0186521307
## 126		3.916103e-03		0.0186521307
## 126		3.916103e-03		0.0186521307
## 126	8 0.0448526271	3.916103e-03	0.0021358394	0.0186521307
## 126		3.916103e-03	0.0021358394	0.0186521307
## 127	0 0.0448526271	3.916103e-03	0.0021358394	0.0186521307
## 127	1 0.0448526271	3.916103e-03	0.0021358394	0.0186521307
## 127		3.916103e-03	0.0021358394	0.0186521307
## 127	3 0.0448526271	3.916103e-03		0.0186521307
## 127	4 0.0448526271	3.916103e-03	0.0021358394	0.0186521307
## 127	5 0.0448526271	3.916103e-03	0.0021358394	0.0186521307
## 127		3.916103e-03		0.0186521307
## 127	7 0.0448526271	3.916103e-03	0.0021358394	0.0186521307
## 127		3.916103e-03	0.0021358394	0.0186521307
## 127	9 0.0448526271	3.916103e-03		0.0186521307
## 128		3.916103e-03	0.0021358394	0.0186521307
## 128		3.916103e-03		0.0186521307
## 128		3.916103e-03		0.0186521307
## 128		3.003600e-02		0.1095190532
## 128		3.003600e-02		0.1095190532
## 128		3.003600e-02		0.1095190532
## 128		3.003600e-02		0.1095190532
## 128		3.003600e-02		0.1095190532
## 128		3.003600e-02		0.1095190532
## 128		3.003600e-02		0.1095190532
## 129		3.003600e-02		0.1095190532
## 129		3.003600e-02		0.1095190532
## 129		3.003600e-02		0.1095190532
## 129		3.003600e-02		0.1095190532
## 129		3.003600e-02		0.1095190532
## 129		3.003600e-02		0.1095190532
## 129		3.003600e-02		0.1095190532
## 129		3.003600e-02		0.1095190532
## 129		3.003600e-02		0.1095190532
## 129		3.003600e-02		0.1095190532
## 130		3.003600e-02		0.1095190532
## 130		3.003600e-02		0.1095190532
## 130		3.003600e-02		0.1095190532
## 130		3.003600e-02		0.1095190532
## 130		3.003600e-02		0.1095190532
## 130		3.003600e-02		0.1095190532
## 130		3.003600e-02		0.1095190532 0.1095190532
## 130		3.003600e-02		
## 130 ## 130		3.003600e-02 3.003600e-02		0.1095190532 0.1095190532
## 130		3.003600e-02		0.1095190532
## 131 ## 131		3.003600e-02		0.1095190532
## 131		3.003600e-02		0.1095190532
## 131		3.003600e-02		0.1095190532
пп т ЭТ	5 0.12550/5550	J.00J000E-02	0.014727/0/0	0.1023130332

```
## 1314
         0.1255873558
                              3.003600e-02 0.0145237078
                                                                0.1095190532
## 1315
         0.1255873558
                              3.003600e-02 0.0145237078
                                                                0.1095190532
## 1316
         0.1255873558
                              3.003600e-02 0.0145237078
                                                                0.1095190532
## 1317
                              3.003600e-02 0.0145237078
         0.1255873558
                                                                0.1095190532
## 1318
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1319
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1320
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1321
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1322
                              9.285281e-03 0.0081161897
         0.0239214011
                                                                0.0220366289
## 1323
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1324
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1325
                              9.285281e-03 0.0081161897
         0.0239214011
                                                                0.0220366289
## 1326
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1327
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1328
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1329
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1330
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1331
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1332
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1333
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1334
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
## 1335
         0.0239214011
                              9.285281e-03 0.0081161897
                                                                0.0220366289
                              9.285281e-03 0.0081161897
## 1336
         0.0239214011
                                                                0.0220366289
## 1337
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1338
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1339
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1340
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1341
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1342
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1343
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1344
                              2.473505e-02 0.0217855617
         0.0760358821
                                                                0.0512307161
## 1345
                              2.473505e-02 0.0217855617
                                                                0.0512307161
         0.0760358821
## 1346
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1347
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
                                                                0.0512307161
## 1348
         0.0760358821
                              2.473505e-02 0.0217855617
## 1349
                              2.473505e-02 0.0217855617
                                                                0.0512307161
         0.0760358821
                              2.473505e-02 0.0217855617
## 1350
         0.0760358821
                                                                0.0512307161
## 1351
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
                              2.473505e-02 0.0217855617
## 1352
         0.0760358821
                                                                0.0512307161
                              2.473505e-02 0.0217855617
## 1353
         0.0760358821
                                                                0.0512307161
## 1354
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1355
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1356
         0.0760358821
                              2.473505e-02 0.0217855617
                                                                0.0512307161
## 1357
                              2.473505e-02 0.0217855617
         0.0760358821
                                                                0.0512307161
## 1358
                              3.661439e-04 0.00000000000
         0.0034173430
                                                                0.0030510207
                              3.661439e-04 0.0000000000
## 1359
         0.0034173430
                                                                0.0030510207
## 1360
         0.0034173430
                              3.661439e-04 0.0000000000
                                                                0.0030510207
                              3.661439e-04 0.00000000000
## 1361
         0.0034173430
                                                                0.0030510207
## 1362
         0.0034173430
                              3.661439e-04 0.00000000000
                                                                0.0030510207
## 1363
         0.0034173430
                              3.661439e-04 0.0000000000
                                                                0.0030510207
```

```
## 1364
         0.0034173430
                              3.661439e-04 0.00000000000
                                                                0.0030510207
## 1365
         0.0034173430
                              3.661439e-04 0.00000000000
                                                                0.0030510207
## 1366
         0.0034173430
                              3.661439e-04 0.0000000000
                                                                0.0030510207
## 1367
                              3.661439e-04 0.00000000000
         0.0034173430
                                                                0.0030510207
## 1368
         0.0034173430
                              3.661439e-04 0.0000000000
                                                                0.0030510207
## 1369
         0.0034173430
                              3.661439e-04 0.00000000000
                                                                0.0030510207
                              3.661439e-04 0.00000000000
## 1370
                                                                0.0030510207
         0.0034173430
## 1371
         0.0034173430
                              3.661439e-04 0.00000000000
                                                                0.0030510207
## 1372
                              1.847501e-01 0.1510038445
         0.4498077745
                                                                0.4402468863
## 1373
         0.4498077745
                              1.847501e-01 0.1510038445
                                                                0.4402468863
## 1374
         0.4498077745
                              1.847501e-01 0.1510038445
                                                                0.4402468863
## 1375
                              1.847501e-01 0.1510038445
         0.4498077745
                                                                0.4402468863
         0.4498077745
## 1376
                              1.847501e-01 0.1510038445
                                                                0.4402468863
## 1377
         0.4498077745
                              1.847501e-01 0.1510038445
                                                                0.4402468863
## 1378
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1379
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1380
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
                              9.708361e-04 0.0004271679
## 1381
         0.0076890218
                                                                0.0044891176
## 1382
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1383
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1384
                              9.708361e-04 0.0004271679
                                                                0.0044891176
         0.0076890218
## 1385
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1386
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1387
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1388
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1389
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1390
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1391
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1392
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1393
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1394
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1395
                              9.708361e-04 0.0004271679
                                                                0.0044891176
         0.0076890218
## 1396
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1397
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1398
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1399
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1400
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1401
                              9.708361e-04 0.0004271679
                                                                0.0044891176
         0.0076890218
## 1402
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1403
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1404
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1405
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1406
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1407
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1408
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1409
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1410
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
                              9.708361e-04 0.0004271679
## 1411
         0.0076890218
                                                                0.0044891176
## 1412
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1413
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
```

```
## 1414
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1415
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1416
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1417
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1418
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1419
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1420
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1421
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1422
                              9.708361e-04 0.0004271679
         0.0076890218
                                                                0.0044891176
## 1423
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1424
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
                              9.708361e-04 0.0004271679
## 1425
         0.0076890218
                                                                0.0044891176
## 1426
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1427
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1428
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1429
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1430
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
         0.0076890218
## 1431
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1432
         0.0076890218
                              9.708361e-04 0.0004271679
                                                                0.0044891176
## 1433
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1434
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
                              1.838531e-01 0.1495087569
## 1435
         0.7488252883
                                                                0.5672417100
## 1436
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1437
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1438
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1439
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1440
                              1.838531e-01 0.1495087569
         0.7488252883
                                                                0.5672417100
                              1.838531e-01 0.1495087569
## 1441
         0.7488252883
                                                                0.5672417100
## 1442
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1443
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1444
                              1.838531e-01 0.1495087569
         0.7488252883
                                                                0.5672417100
## 1445
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1446
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1447
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1448
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1449
                              1.838531e-01 0.1495087569
         0.7488252883
                                                                0.5672417100
## 1450
                              1.838531e-01 0.1495087569
         0.7488252883
                                                                0.5672417100
## 1451
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
                              1.838531e-01 0.1495087569
## 1452
         0.7488252883
                                                                0.5672417100
         0.7488252883
                              1.838531e-01 0.1495087569
## 1453
                                                                0.5672417100
## 1454
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1455
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1456
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1457
                              1.838531e-01 0.1495087569
         0.7488252883
                                                                0.5672417100
## 1458
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
         0.7488252883
                              1.838531e-01 0.1495087569
## 1459
                                                                0.5672417100
## 1460
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
                              1.838531e-01 0.1495087569
## 1461
         0.7488252883
                                                                0.5672417100
## 1462
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1463
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
```

```
## 1464
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
                                                                0.5672417100
## 1465
         0.7488252883
                              1.838531e-01 0.1495087569
## 1466
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1467
                              1.838531e-01 0.1495087569
         0.7488252883
                                                                0.5672417100
## 1468
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1469
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
                              1.838531e-01 0.1495087569
## 1470
         0.7488252883
                                                                0.5672417100
## 1471
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1472
         0.7488252883
                              1.838531e-01 0.1495087569
                                                                0.5672417100
## 1473
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1474
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1475
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1476
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1477
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1478
                              9.407744e-02 0.0856471593
                                                                0.1649994598
         0.2127296027
## 1479
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1480
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
                              9.407744e-02 0.0856471593
## 1481
         0.2127296027
                                                                0.1649994598
## 1482
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1483
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1484
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1485
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1486
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1487
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1488
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1489
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1490
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1491
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1492
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1493
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1494
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1495
                              9.407744e-02 0.0856471593
         0.2127296027
                                                                0.1649994598
## 1496
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1497
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1498
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1499
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
                              9.407744e-02 0.0856471593
## 1500
         0.2127296027
                                                                0.1649994598
## 1501
                              9.407744e-02 0.0856471593
                                                                0.1649994598
         0.2127296027
## 1502
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1503
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1504
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1505
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1506
         0.2127296027
                              9.407744e-02 0.0856471593
                                                                0.1649994598
## 1507
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1508
                              1.122665e-01 0.0875694148
         0.5719777873
                                                                0.3480480395
                              1.122665e-01 0.0875694148
## 1509
         0.5719777873
                                                                0.3480480395
## 1510
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1511
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1512
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1513
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
```

```
## 1514
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1515
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1516
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
                              1.122665e-01 0.0875694148
## 1517
         0.5719777873
                                                                0.3480480395
## 1518
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1519
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1520
                              1.122665e-01 0.0875694148
                                                                0.3480480395
         0.5719777873
## 1521
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1522
                              1.122665e-01 0.0875694148
         0.5719777873
                                                                0.3480480395
## 1523
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1524
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1525
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1526
                              1.122665e-01 0.0875694148
                                                                0.3480480395
         0.5719777873
## 1527
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1528
                              1.122665e-01 0.0875694148
         0.5719777873
                                                                0.3480480395
## 1529
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1530
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1531
                              1.122665e-01 0.0875694148
         0.5719777873
                                                                0.3480480395
## 1532
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1533
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1534
                              1.122665e-01 0.0875694148
         0.5719777873
                                                                0.3480480395
## 1535
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1536
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1537
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1538
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1539
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1540
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1541
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1542
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1543
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1544
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
                              1.122665e-01 0.0875694148
## 1545
         0.5719777873
                                                                0.3480480395
## 1546
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1547
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1548
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1549
                              1.122665e-01 0.0875694148
         0.5719777873
                                                                0.3480480395
                              1.122665e-01 0.0875694148
## 1550
         0.5719777873
                                                                0.3480480395
## 1551
                              1.122665e-01 0.0875694148
                                                                0.3480480395
         0.5719777873
## 1552
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
                              1.122665e-01 0.0875694148
## 1553
         0.5719777873
                                                                0.3480480395
## 1554
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1555
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
                                                                0.3480480395
## 1556
         0.5719777873
                              1.122665e-01 0.0875694148
## 1557
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1558
                              1.122665e-01 0.0875694148
         0.5719777873
                                                                0.3480480395
## 1559
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1560
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1561
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1562
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1563
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
```

```
## 1564
                              1.122665e-01 0.0875694148
         0.5719777873
                                                                0.3480480395
         0.5719777873
                                                                0.3480480395
## 1565
                              1.122665e-01 0.0875694148
## 1566
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
                              1.122665e-01 0.0875694148
## 1567
         0.5719777873
                                                                0.3480480395
## 1568
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1569
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
                                                                0.3480480395
## 1570
                              1.122665e-01 0.0875694148
         0.5719777873
## 1571
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1572
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1573
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1574
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1575
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1576
                              1.122665e-01 0.0875694148
                                                                0.3480480395
         0.5719777873
## 1577
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1578
                              1.122665e-01 0.0875694148
         0.5719777873
                                                                0.3480480395
## 1579
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1580
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1581
                              1.122665e-01 0.0875694148
         0.5719777873
                                                                0.3480480395
## 1582
         0.5719777873
                              1.122665e-01 0.0875694148
                                                                0.3480480395
## 1583
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
                              1.124338e-02 0.0051260145
## 1584
         0.0781717215
                                                                0.0565142903
## 1585
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1586
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1587
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1588
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1589
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1590
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1591
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1592
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1593
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1594
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1595
                              1.124338e-02 0.0051260145
         0.0781717215
                                                                0.0565142903
## 1596
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1597
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
                              1.124338e-02 0.0051260145
## 1598
         0.0781717215
                                                                0.0565142903
## 1599
                              1.124338e-02 0.0051260145
         0.0781717215
                                                                0.0565142903
## 1600
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1601
                              1.124338e-02 0.0051260145
         0.0781717215
                                                                0.0565142903
## 1602
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1603
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1604
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1605
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1606
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1607
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1608
                              1.124338e-02 0.0051260145
         0.0781717215
                                                                0.0565142903
## 1609
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1610
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1611
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1612
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1613
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
```

```
## 1614
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
         0.0781717215
## 1615
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1616
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
                              1.124338e-02 0.0051260145
## 1617
         0.0781717215
                                                                0.0565142903
## 1618
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1619
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
         0.0781717215
## 1620
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1621
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1622
                              1.124338e-02 0.0051260145
         0.0781717215
                                                                0.0565142903
## 1623
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1624
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1625
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1626
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1627
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1628
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1629
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1630
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1631
                              1.124338e-02 0.0051260145
         0.0781717215
                                                                0.0565142903
## 1632
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1633
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
## 1634
                              1.124338e-02 0.0051260145
         0.0781717215
                                                                0.0565142903
## 1635
         0.0781717215
                              1.124338e-02 0.0051260145
                                                                0.0565142903
                              7.227219e-04 0.0000000000
## 1636
         0.0111063648
                                                                0.0052382032
## 1637
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1638
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1639
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1640
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1641
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1642
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1643
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1644
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1645
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1646
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1647
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1648
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1649
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1650
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1651
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1652
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1653
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
                                                                0.0052382032
## 1654
         0.0111063648
                              7.227219e-04 0.00000000000
## 1655
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1656
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1657
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1658
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1659
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1660
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1661
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1662
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1663
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
```

```
## 1664
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1665
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1666
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1667
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1668
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1669
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1670
                              7.227219e-04 0.00000000000
                                                                0.0052382032
         0.0111063648
## 1671
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1672
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1673
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1674
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1675
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1676
                              7.227219e-04 0.00000000000
                                                                0.0052382032
         0.0111063648
## 1677
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1678
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1679
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1680
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1681
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1682
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1683
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1684
                              7.227219e-04 0.0000000000
                                                                0.0052382032
         0.0111063648
## 1685
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1686
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1687
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1688
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1689
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1690
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1691
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1692
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1693
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1694
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1695
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1696
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1697
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1698
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1699
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1700
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1701
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
                              7.227219e-04 0.00000000000
## 1702
         0.0111063648
                                                                0.0052382032
## 1703
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1704
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1705
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1706
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1707
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1708
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1709
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1710
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
                              7.227219e-04 0.00000000000
## 1711
         0.0111063648
                                                                0.0052382032
## 1712
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1713 0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
```

```
## 1714
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1715
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1716
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1717
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1718
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1719
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1720
                              7.227219e-04 0.00000000000
                                                                0.0052382032
         0.0111063648
## 1721
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1722
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1723
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1724
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1725
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1726
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1727
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1728
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1729
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1730
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1731
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1732
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1733
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1734
                              7.227219e-04 0.0000000000
                                                                0.0052382032
         0.0111063648
## 1735
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
                              7.227219e-04 0.0000000000
## 1736
         0.0111063648
                                                                0.0052382032
## 1737
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1738
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1739
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1740
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1741
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1742
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1743
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1744
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1745
                              7.227219e-04 0.00000000000
                                                                0.0052382032
         0.0111063648
## 1746
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1747
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1748
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1749
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1750
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1751
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
                              7.227219e-04 0.00000000000
## 1752
         0.0111063648
                                                                0.0052382032
                              7.227219e-04 0.00000000000
## 1753
         0.0111063648
                                                                0.0052382032
## 1754
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1755
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1756
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1757
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1758
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1759
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1760
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
                              7.227219e-04 0.00000000000
## 1761
         0.0111063648
                                                                0.0052382032
## 1762
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1763
        0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
```

```
## 1764
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1765
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1766
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1767
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1768
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1769
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1770
                              7.227219e-04 0.00000000000
                                                                0.0052382032
         0.0111063648
## 1771
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1772
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1773
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1774
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1775
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1776
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1777
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1778
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1779
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1780
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1781
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1782
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1783
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1784
                              7.227219e-04 0.0000000000
                                                                0.0052382032
         0.0111063648
## 1785
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1786
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1787
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1788
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1789
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1790
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1791
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1792
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1793
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1794
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1795
                              7.227219e-04 0.00000000000
                                                                0.0052382032
         0.0111063648
## 1796
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1797
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1798
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1799
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
                              7.227219e-04 0.0000000000
## 1800
         0.0111063648
                                                                0.0052382032
## 1801
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1802
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1803
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1804
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1805
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1806
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1807
                              7.227219e-04 0.0000000000
         0.0111063648
                                                                0.0052382032
## 1808
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1809
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1810
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
                              7.227219e-04 0.00000000000
## 1811
         0.0111063648
                                                                0.0052382032
## 1812
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1813
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
```

```
## 1814
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1815
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1816
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1817
                              7.227219e-04 0.00000000000
         0.0111063648
                                                                0.0052382032
## 1818
         0.0111063648
                              7.227219e-04 0.0000000000
                                                                0.0052382032
## 1819
         0.0111063648
                              7.227219e-04 0.00000000000
                                                                0.0052382032
## 1820
                              7.227219e-04 0.00000000000
                                                                0.0052382032
         0.0111063648
## 1821
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1822
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1823
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1824
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1825
                              2.194759e-03 0.0017086715
         0.0136693721
                                                                0.0072353247
## 1826
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1827
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1828
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1829
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1830
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1831
                              2.194759e-03 0.0017086715
         0.0136693721
                                                                0.0072353247
## 1832
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1833
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1834
                              2.194759e-03 0.0017086715
                                                                0.0072353247
         0.0136693721
## 1835
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
                              2.194759e-03 0.0017086715
## 1836
         0.0136693721
                                                                0.0072353247
## 1837
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1838
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1839
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1840
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1841
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1842
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1843
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1844
                              2.194759e-03 0.0017086715
         0.0136693721
                                                                0.0072353247
## 1845
                              2.194759e-03 0.0017086715
         0.0136693721
                                                                0.0072353247
## 1846
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1847
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1848
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1849
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
## 1850
                              2.194759e-03 0.0017086715
         0.0136693721
                                                                0.0072353247
## 1851
         0.0136693721
                              2.194759e-03 0.0017086715
                                                                0.0072353247
##
               X0.0.1
                           X806.0.1 X7.574626865671642
                                                              X0.0.2
## 1
                                           3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
## 2
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 3
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 4
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 5
                                           3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
## 6
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
                                           3.938964e-03 0.0000000000
## 7
         0.0000000000 0.3876863877
## 8
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 9
                                           3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
## 10
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 11
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
```

```
## 12
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 13
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 14
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
                                           3.938964e-03 0.00000000000
## 15
         0.0000000000 0.3876863877
## 16
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 17
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
                                           3.938964e-03 0.0000000000
## 18
         0.0000000000 0.3876863877
##
  19
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 20
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 21
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 22
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
                                           3.938964e-03 0.0000000000
##
   23
         0.0000000000 0.3876863877
##
  24
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 25
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 26
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 27
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
##
   28
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 29
                                           3.938964e-03 0.00000000000
         0.0000000000 0.3876863877
##
   30
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 31
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
                                           3.938964e-03 0.0000000000
## 32
         0.0000000000 0.3876863877
##
  33
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 34
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
##
  35
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
##
  36
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
##
   37
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
##
  38
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 39
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 40
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 41
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 42
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 43
                                           3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
##
  44
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 45
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
##
  46
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
##
  47
                                           3.938964e-03 0.00000000000
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 48
         0.0000000000 0.3876863877
## 49
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 50
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 51
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 52
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 53
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
                                           3.938964e-03 0.0000000000
## 54
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 55
         0.0000000000 0.3876863877
  56
                                           3.938964e-03 0.00000000000
##
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 57
         0.0000000000 0.3876863877
## 58
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
                                           3.938964e-03 0.00000000000
## 59
         0.0000000000 0.3876863877
## 60
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 61
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
```

```
## 62
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 63
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 64
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
                                           3.938964e-03 0.00000000000
## 65
         0.0000000000 0.3876863877
## 66
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 67
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
                                          3.938964e-03 0.0000000000
## 68
         0.0000000000 0.3876863877
##
   69
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
##
  70
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
  71
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
##
##
  72
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
                                           3.938964e-03 0.0000000000
##
  73
         0.0000000000 0.3876863877
##
  74
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 75
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
  76
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
##
##
  77
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
##
  78
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
## 79
                                           3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
## 80
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 81
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
                                           3.938964e-03 0.0000000000
## 82
         0.0000000000 0.3876863877
## 83
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 84
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 85
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
##
  86
         0.0000000000 0.3876863877
                                          3.938964e-03 0.00000000000
## 87
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
## 88
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 89
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 90
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 91
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 92
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 93
                                          3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
##
  94
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
##
  95
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
##
  96
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 97
                                           3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
## 98
                                           3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
## 99
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 100
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
  101
##
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 102
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 103
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
                                           3.938964e-03 0.0000000000
## 104
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 105
         0.0000000000 0.3876863877
## 106
                                          3.938964e-03 0.00000000000
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
## 107
         0.0000000000 0.3876863877
## 108
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
                                           3.938964e-03 0.00000000000
## 109
         0.0000000000 0.3876863877
## 110
         0.0000000000 0.3876863877
                                           3.938964e-03 0.00000000000
## 111
         0.0000000000 0.3876863877
                                           3.938964e-03 0.0000000000
```

```
## 112
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
## 113
         0.0000000000 0.3876863877
                                          3.938964e-03 0.00000000000
## 114
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
                                          3.938964e-03 0.0000000000
## 115
         0.0000000000 0.3876863877
## 116
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
## 117
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
## 118
                                          3.938964e-03 0.0000000000
## 119
         0.0000000000 0.3876863877
                                          3.938964e-03 0.00000000000
## 120
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
## 121
         0.0000000000 0.3876863877
                                          3.938964e-03 0.00000000000
## 122
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
## 123
                                          3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
## 124
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
## 125
         0.0000000000 0.3876863877
                                          3.938964e-03 0.00000000000
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
## 126
## 127
         0.0000000000 0.3876863877
                                          3.938964e-03 0.00000000000
## 128
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
## 129
                                          3.938964e-03 0.0000000000
## 130
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
## 131
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
         0.0000000000 0.3876863877
## 132
                                          3.938964e-03 0.0000000000
## 133
         0.0000000000 0.3876863877
                                          3.938964e-03 0.0000000000
## 134
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 135
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 136
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 137
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 138
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 139
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
                                          1.315119e-01 0.0694227769
## 140
         0.0005200208 0.6469456469
## 141
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
                                          1.315119e-01 0.0694227769
## 142
         0.0005200208 0.6469456469
## 143
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 144
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 145
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 146
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 147
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 148
         0.0005200208 0.6469456469
## 149
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 150
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
                                          1.315119e-01 0.0694227769
## 151
         0.0005200208 0.6469456469
## 152
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 153
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 154
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
                                          1.315119e-01 0.0694227769
## 155
         0.0005200208 0.6469456469
## 156
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 157
         0.0005200208 0.6469456469
## 158
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
                                          1.315119e-01 0.0694227769
## 159
         0.0005200208 0.6469456469
## 160
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 161
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
```

```
## 162
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 163
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 164
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
                                          1.315119e-01 0.0694227769
## 165
         0.0005200208 0.6469456469
## 166
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 167
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
                                          1.315119e-01 0.0694227769
## 168
         0.0005200208 0.6469456469
## 169
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 170
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 171
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 172
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 173
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
## 174
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 175
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 176
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 177
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 178
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 179
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 180
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 181
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 182
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 183
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 184
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 185
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 186
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 187
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 188
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 189
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 190
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
## 191
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 192
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
## 193
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 194
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 195
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 196
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 197
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
## 198
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
## 199
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 200
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 201
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
## 202
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 203
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 204
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 205
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
## 206
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 207
         0.0005200208 0.6469456469
## 208
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 209
                                          1.315119e-01 0.0694227769
         0.0005200208 0.6469456469
## 210
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
## 211
         0.0005200208 0.6469456469
                                          1.315119e-01 0.0694227769
```

```
## 212
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 213
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 214
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
                                          2.353406e-02 0.0015600624
## 215
         0.0000000000 0.3554593555
## 216
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 217
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 218
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 219
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 220
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 221
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 222
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 223
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 224
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 225
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 226
                                          2.353406e-02 0.0015600624
         0.000000000 0.3554593555
## 227
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 228
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 229
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 230
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 231
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 232
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 233
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 234
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 235
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 236
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 237
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 238
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 239
                                          2.353406e-02 0.0015600624
         0.000000000 0.3554593555
## 240
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 241
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
                                          2.353406e-02 0.0015600624
## 242
         0.0000000000 0.3554593555
## 243
                                          2.353406e-02 0.0015600624
         0.000000000 0.3554593555
## 244
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 245
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
##
  246
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 247
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 248
         0.000000000 0.3554593555
## 249
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 250
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 251
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 252
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 253
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 254
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 255
                                          2.353406e-02 0.0015600624
         0.000000000 0.3554593555
## 256
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 257
         0.0000000000 0.3554593555
## 258
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 259
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 260
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 261
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
```

```
## 262
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 263
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 264
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 265
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 266
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 267
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 268
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
##
  269
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 270
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 271
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 272
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 273
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 274
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 275
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 276
                                          2.353406e-02 0.0015600624
         0.000000000 0.3554593555
## 277
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 278
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
                                          2.353406e-02 0.0015600624
## 279
         0.0000000000 0.3554593555
## 280
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 281
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 282
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 283
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 284
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 285
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 286
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
##
  287
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
                                          2.353406e-02 0.0015600624
## 288
         0.000000000 0.3554593555
## 289
                                          2.353406e-02 0.0015600624
         0.000000000 0.3554593555
## 290
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 291
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 292
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 293
                                          2.353406e-02 0.0015600624
         0.000000000 0.3554593555
## 294
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 295
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
                                          2.353406e-02 0.0015600624
##
  296
         0.0000000000 0.3554593555
## 297
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 298
                                          2.353406e-02 0.0015600624
         0.000000000 0.3554593555
## 299
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 300
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 301
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 302
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 303
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 304
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 305
                                          2.353406e-02 0.0015600624
         0.000000000 0.3554593555
## 306
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 307
         0.0000000000 0.3554593555
## 308
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
                                          2.353406e-02 0.0015600624
## 309
         0.0000000000 0.3554593555
## 310
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 311
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
```

```
## 312
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 313
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 314
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 315
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 316
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 317
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 318
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
##
  319
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 320
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 321
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 322
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 323
                                          2.353406e-02 0.0015600624
         0.0000000000 0.3554593555
## 324
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 325
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 326
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 327
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 328
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
                                          2.353406e-02 0.0015600624
## 329
         0.0000000000 0.3554593555
## 330
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 331
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 332
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 333
         0.000000000 0.3554593555
                                          2.353406e-02 0.0015600624
                                          2.353406e-02 0.0015600624
## 334
         0.0000000000 0.3554593555
## 335
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 336
         0.0000000000 0.3554593555
                                          2.353406e-02 0.0015600624
## 337
         0.0000000000 0.0048100048
                                          6.066909e-04 0.0000000000
## 338
         0.0000000000 0.0048100048
                                          6.066909e-04 0.0000000000
## 339
         0.0000000000 0.0048100048
                                          6.066909e-04 0.0000000000
## 340
                                          6.066909e-04 0.0000000000
         0.0000000000 0.0048100048
## 341
         0.0000000000 0.0048100048
                                          6.066909e-04 0.0000000000
## 342
         0.0000000000 0.0048100048
                                          6.066909e-04 0.00000000000
## 343
                                          6.066909e-04 0.0000000000
         0.0000000000 0.0048100048
## 344
         0.0000000000 0.0048100048
                                          6.066909e-04 0.00000000000
## 345
         0.0000000000 0.0048100048
                                          6.066909e-04 0.0000000000
##
  346
         0.0000000000 0.0048100048
                                          6.066909e-04 0.0000000000
## 347
                                          6.066909e-04 0.00000000000
         0.0000000000 0.0048100048
                                          6.066909e-04 0.00000000000
## 348
         0.0000000000 0.0048100048
## 349
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 350
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 351
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 352
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 353
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 354
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 355
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 356
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 357
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 358
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 359
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 360
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 361
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
```

```
## 362
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 363
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 364
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 365
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 366
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 367
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 368
                                          3.234879e-02 0.0096203848
##
  369
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 370
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 371
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 372
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 373
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
##
  374
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 375
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 376
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 377
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 378
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 379
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 380
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 381
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 382
                                          3.234879e-02 0.0096203848
## 383
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 384
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 385
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 386
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
##
  387
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 388
         0.0000000000 0.2987012987
## 389
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 390
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 391
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 392
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 393
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 394
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 395
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
##
  396
         0.0000000000 0.2987012987
## 397
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 398
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 399
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 400
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 401
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 402
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 403
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 404
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 405
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 406
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 407
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 408
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 409
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 410
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 411
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
```

```
## 412
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 413
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 414
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 415
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 416
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 417
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 418
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 419
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 420
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 421
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 422
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 423
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 424
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 425
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 426
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 427
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 428
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 429
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 430
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 431
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 432
                                          3.234879e-02 0.0096203848
## 433
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 434
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 435
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 436
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 437
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 438
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 439
         0.0000000000 0.2987012987
## 440
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 441
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 442
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 443
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 444
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 445
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 446
         0.0000000000 0.2987012987
## 447
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 448
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 449
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 450
         0.0000000000 0.2987012987
## 451
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 452
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 453
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 454
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 455
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 456
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 457
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 458
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 459
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 460
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 461
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
```

```
## 462
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 463
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 464
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 465
         0.0000000000 0.2987012987
## 466
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 467
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 468
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 469
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 470
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 471
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 472
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 473
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 474
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 475
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 476
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 477
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 478
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 479
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 480
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 481
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 482
                                          3.234879e-02 0.0096203848
## 483
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 484
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 485
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 486
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 487
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 488
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 489
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 490
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 491
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 492
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 493
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 494
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 495
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 496
         0.0000000000 0.2987012987
## 497
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 498
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 499
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 500
         0.0000000000 0.2987012987
## 501
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 502
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 503
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 504
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 505
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 506
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 507
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 508
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 509
         0.0000000000 0.2987012987
## 510
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 511
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
```

```
## 512
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 513
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 514
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 515
         0.0000000000 0.2987012987
## 516
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 517
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 518
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 519
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 520
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 521
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 522
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 523
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 524
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 525
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 526
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 527
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 528
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 529
                                          3.234879e-02 0.0096203848
## 530
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 531
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 532
                                          3.234879e-02 0.0096203848
## 533
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 534
         0.0000000000 0.2987012987
## 535
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 536
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 537
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 538
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 539
         0.0000000000 0.2987012987
## 540
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 541
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 542
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 543
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 544
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 545
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 546
         0.0000000000 0.2987012987
## 547
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 548
         0.0000000000 0.2987012987
## 549
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
                                          3.234879e-02 0.0096203848
## 550
         0.0000000000 0.2987012987
## 551
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 552
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
## 553
         0.0000000000 0.2987012987
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 554
                                          3.234879e-02 0.0096203848
## 555
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 556
                                          3.234879e-02 0.0096203848
         0.0000000000 0.2987012987
## 557
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 558
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 559
                                          6.377614e-03 0.0015600624
         0.0000000000 0.1366041366
## 560
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 561
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
```

```
## 562
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 563
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 564
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
                                          6.377614e-03 0.0015600624
## 565
         0.0000000000 0.1366041366
## 566
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 567
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 568
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
##
  569
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 570
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 571
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 572
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
                                          6.377614e-03 0.0015600624
## 573
         0.0000000000 0.1366041366
## 574
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 575
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 576
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 577
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 578
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 579
                                          6.377614e-03 0.0015600624
         0.0000000000 0.1366041366
## 580
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 581
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 582
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 583
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 584
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 585
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 586
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 587
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 588
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 589
                                          6.377614e-03 0.0015600624
         0.0000000000 0.1366041366
## 590
                                          6.377614e-03 0.0015600624
         0.0000000000 0.1366041366
## 591
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 592
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 593
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 594
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 595
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 596
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 597
                                          6.377614e-03 0.0015600624
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 598
         0.0000000000 0.1366041366
## 599
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 600
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 601
                                          6.377614e-03 0.0015600624
         0.0000000000 0.1366041366
## 602
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 603
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 604
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
                                          6.377614e-03 0.0015600624
## 605
         0.0000000000 0.1366041366
## 606
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 607
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 608
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
                                          6.377614e-03 0.0015600624
## 609
         0.0000000000 0.1366041366
## 610
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 611
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
```

```
## 612
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 613
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 614
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
                                          6.377614e-03 0.0015600624
## 615
         0.0000000000 0.1366041366
## 616
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 617
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 618
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 619
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 620
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 621
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 622
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 623
                                          6.377614e-03 0.0015600624
         0.0000000000 0.1366041366
## 624
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 625
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 626
## 627
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 628
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 629
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 630
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 631
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 632
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 633
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 634
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 635
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 636
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 637
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 638
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
                                          6.377614e-03 0.0015600624
## 639
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 640
         0.0000000000 0.1366041366
## 641
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 642
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 643
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 644
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 645
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
##
  646
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 647
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
                                          6.377614e-03 0.0015600624
## 648
         0.0000000000 0.1366041366
## 649
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 650
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
                                          6.377614e-03 0.0015600624
## 651
         0.0000000000 0.1366041366
## 652
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 653
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 654
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
                                          6.377614e-03 0.0015600624
## 655
         0.0000000000 0.1366041366
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 656
## 657
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 658
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
                                          6.377614e-03 0.0015600624
## 659
         0.0000000000 0.1366041366
## 660
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
## 661
         0.0000000000 0.1366041366
                                          6.377614e-03 0.0015600624
```

```
## 662
         0.0000000000 0.1366041366
                                           6.377614e-03 0.0015600624
## 663
         0.0000000000 0.0004810005
                                           1.733403e-04 0.00000000000
## 664
         0.0000000000 0.0004810005
                                           1.733403e-04 0.00000000000
## 665
                                           1.733403e-04 0.00000000000
         0.0000000000 0.0004810005
## 666
         0.0000000000 0.0004810005
                                           1.733403e-04 0.0000000000
## 667
         0.0000000000 0.0004810005
                                           1.733403e-04 0.00000000000
## 668
         0.0000000000 0.0004810005
                                           1.733403e-04 0.00000000000
##
   669
         0.0000000000 0.0000000000
                                           0.000000e+00 0.0000000000
## 670
                                           0.000000e+00 0.0000000000
         0.0000000000 0.0000000000
## 671
         0.0000000000 0.00000000000
                                           0.000000e+00 0.0000000000
## 672
         0.0000000000 0.0000000000
                                           0.000000e+00 0.0000000000
## 673
                                           1.534061e-02 0.0083203328
         0.0000000000 0.0582010582
## 674
         0.0000000000 0.0582010582
                                           1.534061e-02 0.0083203328
## 675
         0.0000000000 0.0582010582
                                           1.534061e-02 0.0083203328
## 676
         0.0000000000 0.0582010582
                                           1.534061e-02 0.0083203328
## 677
         0.0000000000 0.0582010582
                                           1.534061e-02 0.0083203328
## 678
         0.0000000000 0.0582010582
                                           1.534061e-02 0.0083203328
         0.0000000000 0.0019240019
## 679
                                           3.536141e-04 0.00000000000
## 680
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
                                           3.536141e-04 0.0000000000
## 681
         0.0000000000 0.0019240019
## 682
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 683
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 684
                                           3.536141e-04 0.00000000000
         0.0000000000 0.0019240019
## 685
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 686
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 687
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 688
                                           3.536141e-04 0.00000000000
         0.0000000000 0.0019240019
## 689
                                           3.536141e-04 0.00000000000
         0.0000000000 0.0019240019
## 690
                                           3.536141e-04 0.00000000000
         0.0000000000 0.0019240019
## 691
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 692
                                           3.536141e-04 0.00000000000
         0.0000000000 0.0019240019
## 693
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 694
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 695
                                           3.536141e-04 0.00000000000
         0.0000000000 0.0019240019
## 696
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 697
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
                                           3.536141e-04 0.00000000000
## 698
         0.0000000000 0.0019240019
## 699
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 700
                                           3.536141e-04 0.00000000000
         0.0000000000 0.0019240019
  701
                                           3.536141e-04 0.00000000000
##
         0.0000000000 0.0019240019
##
  702
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
## 703
         0.0000000000 0.0019240019
                                           3.536141e-04 0.00000000000
         0.0000000000 0.0000000000
## 704
                                           0.000000e+00 0.0000000000
## 705
                                           1.762782e-04 0.00000000000
         0.0000000000 0.0014430014
  706
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
##
         0.0000000000 0.0014430014
## 707
                                           1.762782e-04 0.00000000000
## 708
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 709
                                           1.762782e-04 0.00000000000
         0.0000000000 0.0014430014
##
  710
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 711
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
```

```
## 712
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 713
                                           1.762782e-04 0.00000000000
         0.0000000000 0.0014430014
## 714
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
## 715
                                           1.762782e-04 0.00000000000
         0.0000000000 0.0014430014
## 716
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
## 717
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
##
  718
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
##
  719
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 720
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
## 721
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 722
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
                                           1.762782e-04 0.00000000000
## 723
         0.0000000000 0.0014430014
##
  724
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 725
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 726
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
## 727
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 728
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
## 729
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 730
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
                                           1.762782e-04 0.0000000000
## 731
         0.0000000000 0.0014430014
## 732
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
## 733
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 734
                                           1.762782e-04 0.0000000000
         0.0000000000 0.0014430014
##
  735
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 736
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 737
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 738
                                           1.762782e-04 0.00000000000
         0.0000000000 0.0014430014
## 739
                                           1.762782e-04 0.00000000000
         0.0000000000 0.0014430014
## 740
                                           1.762782e-04 0.0000000000
         0.0000000000 0.0014430014
## 741
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
  742
##
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 743
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
##
  744
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
                                           1.762782e-04 0.00000000000
## 745
         0.0000000000 0.0014430014
  746
##
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
  747
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
##
                                           1.762782e-04 0.0000000000
## 748
         0.0000000000 0.0014430014
## 749
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
                                           1.762782e-04 0.0000000000
## 750
         0.0000000000 0.0014430014
  751
                                           1.762782e-04 0.00000000000
##
         0.0000000000 0.0014430014
##
  752
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 753
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 754
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
## 755
                                           1.762782e-04 0.0000000000
         0.0000000000 0.0014430014
## 756
                                           1.762782e-04 0.00000000000
         0.0000000000 0.0014430014
         0.0000000000 0.0014430014
## 757
                                           1.762782e-04 0.00000000000
## 758
         0.0000000000 0.0014430014
                                           1.762782e-04 0.0000000000
  759
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
##
##
  760
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
## 761
         0.0000000000 0.0014430014
                                           1.762782e-04 0.00000000000
```

```
## 762
         0.0000000000 0.0014430014
                                          1.762782e-04 0.00000000000
                                          1.762782e-04 0.00000000000
## 763
         0.0000000000 0.0014430014
## 764
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
## 765
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
## 766
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
## 767
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
  768
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
##
##
  769
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
## 770
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
## 771
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
## 772
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
         0.0046801872 0.2746512747
  773
                                          5.854822e-02 0.0462818513
##
##
  774
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
## 775
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
  776
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
##
##
  777
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
##
  778
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
## 779
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
## 780
         0.0046801872 0.2746512747
                                          5.854822e-02 0.0462818513
## 781
         0.0005200208 0.1515151515
                                          5.642226e-02 0.0306812272
         0.0005200208 0.1515151515
## 782
                                          5.642226e-02 0.0306812272
##
  783
         0.0005200208 0.1515151515
                                          5.642226e-02 0.0306812272
## 784
                                          5.642226e-02 0.0306812272
         0.0005200208 0.1515151515
##
  785
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
##
  786
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
##
  787
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 788
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 789
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
## 790
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
## 791
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
  792
                                          2.498394e-02 0.0083203328
##
         0.0000000000 0.1770081770
## 793
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
##
  794
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 795
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
  796
##
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
  797
                                          2.498394e-02 0.0083203328
##
         0.0000000000 0.1770081770
## 798
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
##
  799
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
                                          2.498394e-02 0.0083203328
## 800
         0.0000000000 0.1770081770
## 801
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
## 802
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 803
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 804
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 805
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
## 806
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 807
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 808
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
                                          2.498394e-02 0.0083203328
## 809
         0.0000000000 0.1770081770
## 810
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 811
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
```

```
## 812
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 813
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 814
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 815
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
## 816
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 817
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
## 818
                                          2.498394e-02 0.0083203328
## 819
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 820
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 821
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 822
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 823
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
## 824
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 825
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 826
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 827
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 828
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 829
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
## 830
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 831
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
## 832
                                          2.498394e-02 0.0083203328
## 833
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 834
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 835
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 836
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 837
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 838
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 839
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
                                          2.498394e-02 0.0083203328
## 840
         0.0000000000 0.1770081770
## 841
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 842
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 843
         0.0000000000 0.1770081770
## 844
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 845
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 846
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 847
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 848
         0.0000000000 0.1770081770
## 849
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 850
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 851
                                          2.498394e-02 0.0083203328
         0.0000000000 0.1770081770
## 852
         0.0000000000 0.1770081770
                                          2.498394e-02 0.0083203328
## 853
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 854
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 855
                                          2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 856
                                          2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 857
         0.0000000000 0.0043290043
## 858
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 859
                                          2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 860
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 861
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
```

```
## 862
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 863
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 864
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 865
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 866
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 867
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 868
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 869
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 870
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 871
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 872
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 873
                                          2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 874
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 875
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 876
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 877
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 878
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 879
                                           2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 880
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 881
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 882
                                           2.697852e-04 0.00000000000
## 883
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 884
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 885
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 886
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 887
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 888
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 889
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 890
                                          2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 891
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 892
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 893
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 894
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 895
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 896
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 897
                                           2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 898
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 899
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
                                          2.697852e-04 0.0000000000
## 900
         0.0000000000 0.0043290043
## 901
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 902
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 903
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 904
                                           2.697852e-04 0.0000000000
## 905
                                           2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 906
                                           2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
         0.0000000000 0.0043290043
## 907
                                           2.697852e-04 0.0000000000
## 908
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 909
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 910
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 911
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
```

```
## 912
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 913
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 914
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 915
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 916
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 917
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 918
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 919
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 920
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 921
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 922
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
                                          2.697852e-04 0.0000000000
## 923
         0.0000000000 0.0043290043
## 924
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 925
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 926
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 927
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 928
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 929
                                           2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 930
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 931
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 932
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 933
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 934
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 935
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 936
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 937
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 938
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 939
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 940
                                           2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 941
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 942
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 943
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 944
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
                                           2.697852e-04 0.0000000000
## 945
         0.0000000000 0.0043290043
## 946
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 947
                                          2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
                                           2.697852e-04 0.00000000000
## 948
         0.0000000000 0.0043290043
## 949
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
                                          2.697852e-04 0.0000000000
## 950
         0.0000000000 0.0043290043
## 951
                                          2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 952
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
## 953
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 954
                                           2.697852e-04 0.0000000000
## 955
                                          2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 956
                                           2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
         0.0000000000 0.0043290043
## 957
                                           2.697852e-04 0.0000000000
## 958
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 959
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 960
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 961
         0.0000000000 0.0043290043
                                           2.697852e-04 0.0000000000
```

```
## 962
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 963
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 964
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 965
                                          2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 966
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 967
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 968
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 969
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 970
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 971
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 972
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 973
                                          2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
## 974
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 975
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 976
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 977
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 978
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 979
                                          2.697852e-04 0.0000000000
         0.0000000000 0.0043290043
## 980
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 981
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 982
## 983
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 984
         0.0000000000 0.0043290043
                                          2.697852e-04 0.00000000000
## 985
         0.0000000000 0.0043290043
                                          2.697852e-04 0.0000000000
## 986
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 987
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 988
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 989
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 990
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 991
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 992
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 993
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 994
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 995
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 996
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 997
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 998
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 999
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1000
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1001
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 1002
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1003
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1004
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1005
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 1006
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 1007
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1008
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1009
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 1010
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1011
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
```

```
## 1012
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1013
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1014
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1015
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1016
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1017
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1018
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1019
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1020
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1021
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1022
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1023
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1024
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1025
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1026
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 1027
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1028
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1029
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1030
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1031
         0.000000000 0.3665223665
                                          1.883974e-02 0.0096203848
                                          1.883974e-02 0.0096203848
## 1032
         0.0000000000 0.3665223665
## 1033
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1034
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1035
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1036
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1037
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1038
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1039
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1040
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1041
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1042
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1043
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1044
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1045
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1046
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1047
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 1048
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1049
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1050
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1051
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1052
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1053
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1054
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1055
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1056
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 1057
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1058
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1059
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1060
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1061
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
```

```
## 1062
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1063
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1064
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1065
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1066
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1067
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1068
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1069
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1070
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1071
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1072
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1073
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1074
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1075
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1076
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1077
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1078
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1079
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1080
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1081
         0.000000000 0.3665223665
                                          1.883974e-02 0.0096203848
                                          1.883974e-02 0.0096203848
## 1082
         0.0000000000 0.3665223665
## 1083
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1084
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1085
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1086
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1087
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1088
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1089
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1090
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1091
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1092
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1093
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 1094
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1095
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1096
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1097
                                          1.883974e-02 0.0096203848
         0.0000000000 0.3665223665
## 1098
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1099
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1100
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1101
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1102
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1103
         0.0000000000 0.3665223665
                                          1.883974e-02 0.0096203848
## 1104
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1105
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1106
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1107
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1108
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1109
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1110
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1111
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
```

```
0.0000000000 0.0389610390
## 1112
                                          1.978403e-03 0.0005200208
## 1113
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1114
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
                                          1.978403e-03 0.0005200208
## 1115
         0.0000000000 0.0389610390
## 1116
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1117
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1118
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1119
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1120
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1121
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1122
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1123
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1124
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1125
         0.000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1126
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1127
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1128
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1129
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1130
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1131
         0.000000000 0.0389610390
                                          1.978403e-03 0.0005200208
                                          1.978403e-03 0.0005200208
## 1132
         0.0000000000 0.0389610390
## 1133
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1134
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1135
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1136
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1137
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1138
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1139
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1140
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1141
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1142
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1143
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1144
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1145
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1146
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1147
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1148
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1149
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1150
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1151
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1152
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1153
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1154
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1155
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1156
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1157
         0.0000000000 0.0389610390
## 1158
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1159
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1160
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1161
        0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
```

```
## 1162
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1163
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1164
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
                                          1.978403e-03 0.0005200208
## 1165
         0.0000000000 0.0389610390
## 1166
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1167
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1168
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1169
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1170
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1171
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1172
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1173
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1174
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1175
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1176
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1177
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1178
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1179
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1180
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1181
         0.000000000 0.0389610390
                                          1.978403e-03 0.0005200208
                                          1.978403e-03 0.0005200208
## 1182
         0.0000000000 0.0389610390
## 1183
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1184
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1185
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1186
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1187
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1188
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1189
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1190
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1191
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1192
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1193
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1194
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1195
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1196
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1197
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1198
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1199
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1200
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1201
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
                                          1.978403e-03 0.0005200208
## 1202
         0.0000000000 0.0389610390
## 1203
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1204
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1205
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1206
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1207
         0.0000000000 0.0389610390
## 1208
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1209
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1210
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1211
        0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
```

```
0.0000000000 0.0389610390
## 1212
                                          1.978403e-03 0.0005200208
## 1213
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1214
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
                                          1.978403e-03 0.0005200208
## 1215
         0.0000000000 0.0389610390
## 1216
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1217
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1218
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1219
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1220
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1221
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1222
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1223
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1224
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1225
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1226
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1227
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1228
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1229
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1230
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1231
         0.000000000 0.0389610390
                                          1.978403e-03 0.0005200208
                                          1.978403e-03 0.0005200208
## 1232
         0.0000000000 0.0389610390
## 1233
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1234
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1235
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1236
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1237
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1238
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1239
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1240
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1241
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1242
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1243
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1244
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1245
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1246
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1247
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1248
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1249
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1250
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1251
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1252
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1253
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1254
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1255
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1256
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1257
         0.0000000000 0.0389610390
## 1258
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1259
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1260
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1261
        0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
```

```
## 1262
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1263
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1264
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1265
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1266
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1267
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1268
                                          1.978403e-03 0.0005200208
         0.0000000000 0.0389610390
## 1269
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1270
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1271
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1272
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1273
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1274
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1275
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1276
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1277
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1278
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1279
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1280
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
## 1281
         0.0000000000 0.0389610390
                                          1.978403e-03 0.0005200208
                                          1.978403e-03 0.0005200208
## 1282
         0.0000000000 0.0389610390
## 1283
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1284
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1285
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1286
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1287
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1288
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1289
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1290
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1291
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1292
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1293
                                          2.360894e-02 0.0041601664
         0.0000000000 0.1414141414
## 1294
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1295
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1296
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1297
                                          2.360894e-02 0.0041601664
         0.0000000000 0.1414141414
## 1298
                                          2.360894e-02 0.0041601664
         0.0000000000 0.1414141414
## 1299
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1300
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1301
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1302
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1303
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1304
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1305
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1306
                                          2.360894e-02 0.0041601664
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1307
         0.0000000000 0.1414141414
## 1308
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1309
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1310
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1311
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
```

```
## 1312
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1313
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1314
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
                                          2.360894e-02 0.0041601664
## 1315
         0.0000000000 0.1414141414
## 1316
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1317
         0.0000000000 0.1414141414
                                          2.360894e-02 0.0041601664
## 1318
                                          5.802337e-03 0.0041601664
         0.0000000000 0.0192400192
## 1319
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1320
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1321
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1322
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1323
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1324
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1325
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1326
                                          5.802337e-03 0.0041601664
         0.0000000000 0.0192400192
## 1327
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1328
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1329
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1330
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1331
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1332
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1333
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1334
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1335
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1336
         0.0000000000 0.0192400192
                                          5.802337e-03 0.0041601664
## 1337
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1338
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1339
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1340
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1341
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1342
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1343
                                          8.642250e-03 0.0010400416
         0.0000000000 0.0639730640
## 1344
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1345
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1346
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1347
                                          8.642250e-03 0.0010400416
         0.0000000000 0.0639730640
## 1348
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1349
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1350
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1351
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1352
## 1353
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1354
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1355
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1356
                                          8.642250e-03 0.0010400416
         0.0000000000 0.0639730640
## 1357
         0.0000000000 0.0639730640
                                          8.642250e-03 0.0010400416
## 1358
         0.0000000000 0.0038480038
                                          2.971547e-04 0.00000000000
## 1359
         0.0000000000 0.0038480038
                                          2.971547e-04 0.00000000000
## 1360
         0.0000000000 0.0038480038
                                          2.971547e-04 0.00000000000
## 1361
        0.0000000000 0.0038480038
                                          2.971547e-04 0.0000000000
```

```
## 1362
         0.0000000000 0.0038480038
                                          2.971547e-04 0.00000000000
## 1363
         0.0000000000 0.0038480038
                                          2.971547e-04 0.00000000000
## 1364
         0.0000000000 0.0038480038
                                          2.971547e-04 0.0000000000
## 1365
                                          2.971547e-04 0.00000000000
         0.0000000000 0.0038480038
## 1366
         0.0000000000 0.0038480038
                                          2.971547e-04 0.0000000000
## 1367
         0.0000000000 0.0038480038
                                          2.971547e-04 0.00000000000
                                          2.971547e-04 0.00000000000
## 1368
         0.0000000000 0.0038480038
## 1369
         0.0000000000 0.0038480038
                                          2.971547e-04 0.00000000000
## 1370
         0.0000000000 0.0038480038
                                          2.971547e-04 0.0000000000
## 1371
         0.0000000000 0.0038480038
                                          2.971547e-04 0.00000000000
## 1372
         0.0109204368 0.2905242905
                                          1.231583e-01 0.1112844514
## 1373
         0.0109204368 0.2905242905
                                          1.231583e-01 0.1112844514
## 1374
         0.0109204368 0.2905242905
                                          1.231583e-01 0.1112844514
## 1375
         0.0109204368 0.2905242905
                                          1.231583e-01 0.1112844514
## 1376
         0.0109204368 0.2905242905
                                          1.231583e-01 0.1112844514
## 1377
         0.0109204368 0.2905242905
                                          1.231583e-01 0.1112844514
## 1378
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1379
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1380
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1381
         0.000000000 0.0048100048
                                          4.916560e-04 0.0000000000
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1382
## 1383
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1384
                                          4.916560e-04 0.0000000000
         0.0000000000 0.0048100048
## 1385
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1386
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1387
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1388
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1389
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1390
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1391
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1392
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1393
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1394
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1395
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1396
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1397
                                          4.916560e-04 0.0000000000
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1398
         0.0000000000 0.0048100048
## 1399
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1400
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1401
                                          4.916560e-04 0.0000000000
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1402
         0.0000000000 0.0048100048
## 1403
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
                                          4.916560e-04 0.0000000000
## 1404
         0.0000000000 0.0048100048
## 1405
                                          4.916560e-04 0.0000000000
         0.0000000000 0.0048100048
## 1406
                                          4.916560e-04 0.00000000000
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1407
         0.0000000000 0.0048100048
## 1408
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
                                          4.916560e-04 0.0000000000
## 1409
         0.0000000000 0.0048100048
##
  1410
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1411
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
```

```
## 1412
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1413
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1414
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1415
                                          4.916560e-04 0.00000000000
         0.0000000000 0.0048100048
## 1416
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1417
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
                                          4.916560e-04 0.0000000000
## 1418
         0.0000000000 0.0048100048
## 1419
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1420
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1421
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1422
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1423
                                          4.916560e-04 0.0000000000
         0.0000000000 0.0048100048
## 1424
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1425
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1426
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1427
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1428
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1429
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1430
         0.0000000000 0.0048100048
                                          4.916560e-04 0.00000000000
## 1431
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
         0.0000000000 0.0048100048
                                          4.916560e-04 0.0000000000
## 1432
## 1433
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1434
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1435
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1436
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1437
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1438
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1439
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1440
                                          7.767811e-02 0.0470618825
         0.0000000000 0.2231842232
## 1441
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1442
                                          7.767811e-02 0.0470618825
         0.0000000000 0.2231842232
## 1443
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1444
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1445
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1446
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1447
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
                                          7.767811e-02 0.0470618825
## 1448
         0.0000000000 0.2231842232
## 1449
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1450
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1451
                                          7.767811e-02 0.0470618825
         0.0000000000 0.2231842232
## 1452
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1453
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
                                          7.767811e-02 0.0470618825
## 1454
         0.0000000000 0.2231842232
## 1455
                                          7.767811e-02 0.0470618825
         0.0000000000 0.2231842232
## 1456
                                          7.767811e-02 0.0470618825
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1457
         0.0000000000 0.2231842232
## 1458
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
                                          7.767811e-02 0.0470618825
## 1459
         0.0000000000 0.2231842232
## 1460
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1461
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
```

```
## 1462
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1463
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1464
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1465
                                          7.767811e-02 0.0470618825
         0.0000000000 0.2231842232
## 1466
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1467
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1468
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1469
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1470
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1471
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1472
         0.0000000000 0.2231842232
                                          7.767811e-02 0.0470618825
## 1473
                                          3.878743e-02 0.0247009880
         0.0005200208 0.1418951419
## 1474
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1475
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1476
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1477
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1478
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1479
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1480
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1481
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1482
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1483
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1484
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1485
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1486
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1487
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1488
                                          3.878743e-02 0.0247009880
         0.0005200208 0.1418951419
## 1489
                                          3.878743e-02 0.0247009880
         0.0005200208 0.1418951419
## 1490
                                          3.878743e-02 0.0247009880
         0.0005200208 0.1418951419
## 1491
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1492
                                          3.878743e-02 0.0247009880
         0.0005200208 0.1418951419
## 1493
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1494
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1495
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1496
                                          3.878743e-02 0.0247009880
         0.0005200208 0.1418951419
## 1497
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1498
                                          3.878743e-02 0.0247009880
         0.0005200208 0.1418951419
## 1499
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1500
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1501
                                          3.878743e-02 0.0247009880
         0.0005200208 0.1418951419
## 1502
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1503
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1504
         0.0005200208 0.1418951419
                                          3.878743e-02 0.0247009880
## 1505
                                          3.878743e-02 0.0247009880
         0.0005200208 0.1418951419
## 1506
                                          3.878743e-02 0.0247009880
         0.0005200208 0.1418951419
## 1507
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1508
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1509
                                          4.973725e-02 0.0135205408
         0.0000000000 0.3852813853
## 1510
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1511
        0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
```

```
0.0000000000 0.3852813853
## 1512
                                          4.973725e-02 0.0135205408
## 1513
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1514
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
         0.0000000000 0.3852813853
## 1515
                                          4.973725e-02 0.0135205408
## 1516
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1517
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1518
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1519
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1520
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1521
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1522
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1523
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1524
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
         0.0000000000 0.3852813853
## 1525
                                          4.973725e-02 0.0135205408
## 1526
                                          4.973725e-02 0.0135205408
         0.0000000000 0.3852813853
## 1527
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1528
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1529
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1530
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1531
         0.000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1532
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1533
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1534
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1535
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1536
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1537
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1538
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1539
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1540
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1541
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1542
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1543
                                          4.973725e-02 0.0135205408
         0.0000000000 0.3852813853
## 1544
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1545
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1546
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1547
                                          4.973725e-02 0.0135205408
         0.0000000000 0.3852813853
## 1548
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1549
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1550
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1551
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1552
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1553
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1554
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1555
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1556
                                          4.973725e-02 0.0135205408
         0.0000000000 0.3852813853
## 1557
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1558
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1559
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1560
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1561
        0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
```

```
## 1562
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1563
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1564
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1565
                                          4.973725e-02 0.0135205408
         0.0000000000 0.3852813853
## 1566
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1567
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1568
                                          4.973725e-02 0.0135205408
         0.0000000000 0.3852813853
## 1569
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1570
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1571
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1572
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1573
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1574
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1575
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1576
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1577
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1578
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1579
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1580
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1581
         0.000000000 0.3852813853
                                          4.973725e-02 0.0135205408
         0.0000000000 0.3852813853
                                          4.973725e-02 0.0135205408
## 1582
## 1583
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1584
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1585
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1586
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1587
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1588
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1589
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1590
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1591
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1592
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1593
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1594
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1595
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1596
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1597
                                          5.710417e-03 0.0010400416
         0.0000000000 0.0764790765
## 1598
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1599
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1600
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1601
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1602
## 1603
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1604
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1605
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1606
                                          5.710417e-03 0.0010400416
         0.0000000000 0.0764790765
## 1607
                                          5.710417e-03 0.0010400416
         0.0000000000 0.0764790765
## 1608
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1609
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1610
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1611
        0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
```

```
## 1612
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1613
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1614
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
                                          5.710417e-03 0.0010400416
## 1615
         0.0000000000 0.0764790765
## 1616
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1617
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1618
                                          5.710417e-03 0.0010400416
         0.0000000000 0.0764790765
## 1619
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1620
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1621
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1622
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1623
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1624
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1625
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1626
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1627
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1628
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1629
                                          5.710417e-03 0.0010400416
         0.0000000000 0.0764790765
## 1630
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1631
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1632
## 1633
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1634
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1635
         0.0000000000 0.0764790765
                                          5.710417e-03 0.0010400416
## 1636
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1637
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1638
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1639
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1640
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1641
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1642
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
                                          3.120125e-04 0.00000000000
## 1643
         0.0000000000 0.0110630111
## 1644
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1645
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1646
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1647
                                          3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1648
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1649
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1650
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1651
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1652
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1653
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
                                          3.120125e-04 0.0000000000
## 1654
         0.0000000000 0.0110630111
## 1655
                                          3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1656
                                          3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1657
         0.0000000000 0.0110630111
## 1658
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
                                          3.120125e-04 0.0000000000
## 1659
         0.0000000000 0.0110630111
## 1660
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1661
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
```

```
## 1662
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1663
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1664
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1665
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1666
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1667
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1668
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1669
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1670
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1671
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1672
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1673
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1674
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1675
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1676
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1677
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1678
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1679
                                           3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1680
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1681
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
                                           3.120125e-04 0.0000000000
## 1682
         0.0000000000 0.0110630111
## 1683
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1684
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1685
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1686
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1687
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1688
                                           3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1689
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1690
                                          3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1691
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1692
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
                                           3.120125e-04 0.00000000000
## 1693
         0.0000000000 0.0110630111
## 1694
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1695
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1696
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1697
                                          3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1698
                                           3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1699
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1700
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1701
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1702
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1703
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1704
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1705
                                           3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1706
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1707
         0.0000000000 0.0110630111
## 1708
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1709
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1710
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1711
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
```

```
## 1712
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1713
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1714
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1715
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1716
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1717
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1718
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1719
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1720
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1721
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1722
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1723
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1724
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1725
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1726
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1727
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1728
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1729
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1730
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1731
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
                                          3.120125e-04 0.0000000000
## 1732
         0.0000000000 0.0110630111
## 1733
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1734
                                          3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1735
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1736
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1737
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1738
                                           3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1739
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1740
                                          3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1741
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1742
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1743
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1744
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1745
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1746
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1747
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1748
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1749
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
                                          3.120125e-04 0.0000000000
## 1750
         0.0000000000 0.0110630111
## 1751
                                          3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1752
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1753
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1754
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1755
                                           3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1756
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1757
         0.0000000000 0.0110630111
## 1758
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1759
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1760
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1761
        0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
```

```
## 1762
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1763
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1764
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1765
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1766
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1767
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1768
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1769
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1770
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1771
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1772
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1773
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1774
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1775
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1776
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1777
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1778
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1779
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1780
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1781
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
                                          3.120125e-04 0.0000000000
## 1782
         0.0000000000 0.0110630111
## 1783
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1784
                                          3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1785
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1786
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1787
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1788
                                           3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1789
         0.0000000000 0.0110630111
                                          3.120125e-04 0.0000000000
## 1790
                                          3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1791
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1792
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
                                           3.120125e-04 0.00000000000
## 1793
         0.0000000000 0.0110630111
## 1794
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1795
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1796
         0.0000000000 0.0110630111
                                          3.120125e-04 0.00000000000
## 1797
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1798
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1799
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1800
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1801
                                          3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1802
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1803
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1804
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1805
                                           3.120125e-04 0.0000000000
         0.0000000000 0.0110630111
## 1806
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1807
         0.0000000000 0.0110630111
## 1808
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1809
                                           3.120125e-04 0.00000000000
         0.0000000000 0.0110630111
## 1810
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1811
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
```

```
## 1812
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1813
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1814
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1815
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1816
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1817
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
                                           3.120125e-04 0.00000000000
## 1818
         0.0000000000 0.0110630111
## 1819
         0.0000000000 0.0110630111
                                           3.120125e-04 0.00000000000
## 1820
         0.0000000000 0.0110630111
                                           3.120125e-04 0.0000000000
## 1821
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1822
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1823
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1824
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1825
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1826
                                           7.770426e-04 0.00000000000
         0.0000000000 0.0153920154
## 1827
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1828
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
                                           7.770426e-04 0.00000000000
## 1829
         0.0000000000 0.0153920154
## 1830
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1831
         0.0000000000 0.0153920154
                                           7.770426e-04 0.0000000000
## 1832
                                           7.770426e-04 0.00000000000
         0.0000000000 0.0153920154
## 1833
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1834
         0.0000000000 0.0153920154
                                           7.770426e-04 0.0000000000
## 1835
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1836
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1837
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1838
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1839
         0.0000000000 0.0153920154
                                           7.770426e-04 0.0000000000
## 1840
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1841
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1842
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1843
                                           7.770426e-04 0.00000000000
         0.0000000000 0.0153920154
## 1844
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1845
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1846
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1847
                                           7.770426e-04 0.00000000000
         0.0000000000 0.0153920154
## 1848
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1849
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
## 1850
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
  1851
##
         0.0000000000 0.0153920154
                                           7.770426e-04 0.00000000000
##
         X69.435826365571
                                             X76.0 X2.6044776119402986
                               X0.0.3
## 1
             0.1478809189 0.00000000 0.047352025
                                                           5.950586e-03
## 2
             0.1478809189 0.00000000 0.047352025
                                                           5.950586e-03
##
  3
             0.1478809189 0.00000000 0.047352025
                                                           5.950586e-03
## 4
             0.1478809189 0.00000000 0.047352025
                                                           5.950586e-03
## 5
             0.1478809189 0.00000000 0.047352025
                                                           5.950586e-03
## 6
             0.1478809189 0.00000000 0.047352025
                                                           5.950586e-03
##
  7
             0.1478809189 0.00000000 0.047352025
                                                           5.950586e-03
## 8
             0.1478809189 0.00000000 0.047352025
                                                           5.950586e-03
## 9
             0.1478809189 0.00000000 0.047352025
                                                           5.950586e-03
```

```
## 10
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 11
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 12
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 13
                                                          5.950586e-03
## 14
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 15
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 16
## 17
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 18
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 19
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 20
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 21
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 22
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 23
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 24
## 25
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 26
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 27
                                                          5.950586e-03
## 28
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 29
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 30
                                                          5.950586e-03
## 31
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 32
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 33
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 34
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 35
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 36
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 37
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 38
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 39
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 40
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 41
                                                          5.950586e-03
## 42
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 43
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 44
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 45
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 46
                                                          5.950586e-03
## 47
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 48
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 49
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 50
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 51
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 52
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 53
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 54
                                                          5.950586e-03
## 55
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 56
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 57
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 58
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 59
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
```

```
## 60
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 61
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 62
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 63
                                                          5.950586e-03
## 64
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 65
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 66
## 67
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 68
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 69
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 70
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 71
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 72
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 73
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 74
## 75
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 76
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 77
                                                          5.950586e-03
## 78
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 79
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 80
                                                          5.950586e-03
## 81
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 82
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 83
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 84
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 85
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 86
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 87
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 88
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 89
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 90
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 91
## 92
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 93
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 94
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 95
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 96
                                                          5.950586e-03
## 97
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 98
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 99
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 100
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 101
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 102
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 103
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 104
                                                          5.950586e-03
## 105
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 106
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 107
                                                          5.950586e-03
## 108
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 109
                                                          5.950586e-03
```

```
## 110
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 111
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 112
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 113
                                                          5.950586e-03
## 114
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 115
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 116
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 117
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 118
                                                          5.950586e-03
## 119
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 120
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 121
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 122
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 123
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 124
## 125
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 126
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 127
                                                          5.950586e-03
## 128
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 129
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 130
## 131
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 132
                                                          5.950586e-03
## 133
             0.1478809189 0.00000000 0.047352025
                                                          5.950586e-03
## 134
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 135
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 136
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 137
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 138
                                                          5.182873e-01
## 139
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 140
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 141
## 142
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 143
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 144
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 145
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 146
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 147
## 148
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
                                                          5.182873e-01
## 149
             0.6256626447 0.00000000 1.000000000
## 150
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 151
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 152
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 153
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 154
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 155
                                                          5.182873e-01
## 156
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 157
                                                          5.182873e-01
## 158
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 159
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
```

```
0.6256626447 0.00000000 1.000000000
## 160
                                                          5.182873e-01
## 161
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 162
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 163
                                                          5.182873e-01
## 164
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 165
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 166
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 167
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 168
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 169
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 170
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 171
                                                          5.182873e-01
## 172
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 173
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 174
## 175
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 176
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 177
                                                          5.182873e-01
## 178
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 179
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 180
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 181
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 182
                                                          5.182873e-01
## 183
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 184
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 185
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 186
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 187
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 188
                                                          5.182873e-01
## 189
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 190
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 191
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 192
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 193
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 194
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 195
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 196
                                                          5.182873e-01
## 197
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 198
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 199
## 200
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 201
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
## 202
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 203
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 204
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 205
                                                          5.182873e-01
## 206
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 207
                                                          5.182873e-01
## 208
             0.6256626447 0.00000000 1.000000000
                                                          5.182873e-01
             0.6256626447 0.00000000 1.000000000
## 209
                                                          5.182873e-01
```

```
## 210
             0.6256626447 0.00000000 1.000000000
                                                         5.182873e-01
## 211
             0.6256626447 0.00000000 1.000000000
                                                         5.182873e-01
## 212
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 213
## 214
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 215
                                                         4.752285e-02
## 216
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 217
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 218
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 219
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 220
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 221
## 222
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 223
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 224
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 225
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 226
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 227
                                                         4.752285e-02
## 228
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 229
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 230
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 231
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 232
                                                         4.752285e-02
## 233
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 234
                                                         4.752285e-02
## 235
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 236
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 237
                                                         4.752285e-02
## 238
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 239
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 240
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 241
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 242
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 243
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 244
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 245
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 246
## 247
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 248
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 249
## 250
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 251
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 252
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 253
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 254
                                                         4.752285e-02
## 255
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 256
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
## 257
## 258
             0.2681371281 0.00000000 0.304049844
                                                         4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 259
                                                         4.752285e-02
```

```
## 260
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 261
                                                          4.752285e-02
## 262
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 263
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 264
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 265
                                                          4.752285e-02
## 266
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 267
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 268
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 269
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 270
                                                          4.752285e-02
## 271
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 272
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 273
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 274
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 275
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 276
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 277
                                                          4.752285e-02
## 278
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 279
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 280
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 281
                                                          4.752285e-02
## 282
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 283
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 284
                                                          4.752285e-02
## 285
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 286
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 287
                                                          4.752285e-02
## 288
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 289
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 290
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 291
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 292
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 293
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 294
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 295
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 296
## 297
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 298
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 299
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 300
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 301
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 302
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 303
             0.2681371281 0.00000000 0.304049844
## 304
                                                          4.752285e-02
## 305
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 306
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 307
## 308
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 309
                                                         4.752285e-02
```

```
## 310
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 311
                                                          4.752285e-02
## 312
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 313
                                                          4.752285e-02
## 314
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 315
                                                          4.752285e-02
## 316
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 317
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 318
                                                          4.752285e-02
## 319
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 320
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 321
## 322
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 323
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 324
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 325
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 326
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 327
                                                          4.752285e-02
## 328
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 329
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 330
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 331
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 332
                                                          4.752285e-02
## 333
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 334
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
## 335
             0.2681371281 0.00000000 0.304049844
                                                          4.752285e-02
             0.2681371281 0.00000000 0.304049844
## 336
                                                          4.752285e-02
             0.0059501846 0.00000000 0.021183801
## 337
                                                          1.028139e-02
             0.0059501846 0.00000000 0.021183801
                                                          1.028139e-02
## 338
## 339
             0.0059501846 0.00000000 0.021183801
                                                          1.028139e-02
## 340
             0.0059501846 0.00000000 0.021183801
                                                          1.028139e-02
## 341
             0.0059501846 0.00000000 0.021183801
                                                          1.028139e-02
## 342
             0.0059501846 0.00000000 0.021183801
                                                          1.028139e-02
             0.0059501846 0.00000000 0.021183801
## 343
                                                          1.028139e-02
## 344
             0.0059501846 0.00000000 0.021183801
                                                          1.028139e-02
## 345
             0.0059501846 0.00000000 0.021183801
                                                          1.028139e-02
             0.0059501846 0.00000000 0.021183801
## 346
                                                          1.028139e-02
## 347
             0.0059501846 0.00000000 0.021183801
                                                          1.028139e-02
             0.0059501846 0.00000000 0.021183801
## 348
                                                          1.028139e-02
## 349
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 350
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 351
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 352
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 353
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 354
                                                          1.352837e-01
## 355
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 356
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 357
                                                          1.352837e-01
## 358
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 359
                                                          1.352837e-01
```

```
## 360
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 361
                                                          1.352837e-01
## 362
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 363
                                                          1.352837e-01
## 364
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 365
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 366
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 367
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 368
                                                          1.352837e-01
## 369
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 370
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 371
## 372
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 373
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 374
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 375
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 376
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 377
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 378
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 379
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 380
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 381
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 382
                                                          1.352837e-01
## 383
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 384
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 385
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 386
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 387
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 388
## 389
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 390
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 391
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 392
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 393
                                                          1.352837e-01
## 394
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 395
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 396
                                                          1.352837e-01
## 397
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 398
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 399
## 400
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 401
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 402
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 403
                                                          1.352837e-01
## 404
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 405
                                                          1.352837e-01
## 406
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 407
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 408
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 409
                                                          1.352837e-01
```

```
## 410
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 411
                                                          1.352837e-01
## 412
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 413
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 414
                                                          1.352837e-01
## 415
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 416
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 417
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 418
                                                          1.352837e-01
## 419
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 420
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 421
## 422
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 423
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 424
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 425
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 426
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 427
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 428
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 429
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 430
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 431
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 432
                                                          1.352837e-01
## 433
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 434
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 435
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 436
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 437
                                                          1.352837e-01
## 438
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 439
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 440
## 441
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 442
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 443
                                                          1.352837e-01
## 444
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 445
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 446
                                                          1.352837e-01
## 447
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 448
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 449
## 450
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 451
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 452
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 453
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 454
                                                          1.352837e-01
## 455
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 456
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 457
## 458
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 459
                                                          1.352837e-01
```

```
## 460
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 461
                                                          1.352837e-01
## 462
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 463
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 464
                                                          1.352837e-01
## 465
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 466
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 467
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 468
                                                          1.352837e-01
## 469
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 470
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 471
## 472
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 473
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 474
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 475
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 476
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 477
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 478
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 479
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 480
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 481
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 482
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 483
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 484
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 485
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 486
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 487
                                                          1.352837e-01
## 488
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 489
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 490
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 491
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 492
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 493
                                                          1.352837e-01
## 494
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 495
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 496
                                                          1.352837e-01
## 497
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 498
                                                          1.352837e-01
## 499
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 500
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 501
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 502
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 503
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 504
                                                          1.352837e-01
## 505
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 506
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 507
                                                          1.352837e-01
## 508
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 509
                                                          1.352837e-01
```

```
## 510
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 511
                                                          1.352837e-01
## 512
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 513
                                                          1.352837e-01
## 514
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 515
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 516
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 517
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 518
                                                          1.352837e-01
## 519
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 520
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 521
## 522
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 523
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 524
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 525
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 526
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 527
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 528
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 529
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 530
## 531
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 532
                                                          1.352837e-01
## 533
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 534
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 535
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 536
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 537
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 538
                                                          1.352837e-01
## 539
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
                                                          1.352837e-01
## 540
             0.2087331168 0.00000000 0.462305296
## 541
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 542
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 543
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 544
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 545
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 546
                                                          1.352837e-01
## 547
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 548
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 549
## 550
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 551
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
## 552
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 553
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 554
                                                          1.352837e-01
             0.2087331168 0.00000000 0.462305296
## 555
                                                          1.352837e-01
## 556
             0.2087331168 0.00000000 0.462305296
                                                          1.352837e-01
             0.0708265521 0.00000000 0.058566978
## 557
                                                          2.086453e-02
## 558
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 559
                                                          2.086453e-02
```

```
## 560
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 561
                                                          2.086453e-02
## 562
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 563
## 564
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 565
                                                          2.086453e-02
## 566
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 567
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 568
                                                          2.086453e-02
## 569
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 570
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 571
                                                          2.086453e-02
## 572
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 573
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 574
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 575
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 576
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 577
                                                          2.086453e-02
## 578
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 579
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 580
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 581
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 582
                                                          2.086453e-02
## 583
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 584
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 585
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 586
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 587
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 588
## 589
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 590
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 591
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 592
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 593
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 594
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 595
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 596
                                                          2.086453e-02
## 597
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 598
                                                          2.086453e-02
## 599
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 600
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 601
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 602
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 603
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 604
## 605
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 606
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 607
                                                          2.086453e-02
## 608
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 609
                                                          2.086453e-02
```

```
## 610
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 611
                                                          2.086453e-02
## 612
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 613
                                                          2.086453e-02
## 614
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 615
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 616
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 617
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 618
                                                          2.086453e-02
## 619
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 620
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 621
                                                          2.086453e-02
## 622
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 623
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 624
## 625
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 626
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 627
                                                          2.086453e-02
## 628
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 629
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 630
             0.0708265521 0.00000000 0.058566978
## 631
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 632
                                                          2.086453e-02
## 633
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 634
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 635
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 636
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 637
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 638
                                                          2.086453e-02
## 639
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 640
                                                          2.086453e-02
## 641
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 642
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 643
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 644
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 645
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 646
                                                          2.086453e-02
## 647
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 648
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 649
                                                          2.086453e-02
## 650
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 651
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 652
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 653
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
## 654
             0.0708265521 0.00000000 0.058566978
## 655
                                                          2.086453e-02
## 656
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 657
                                                          2.086453e-02
## 658
             0.0708265521 0.00000000 0.058566978
                                                          2.086453e-02
             0.0708265521 0.00000000 0.058566978
## 659
                                                          2.086453e-02
```

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

```
## 710
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 711
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 712
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 713
## 714
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 715
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 716
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 717
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
## 718
                                                          6.195938e-04
## 719
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 720
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
## 721
                                                          6.195938e-04
## 722
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 723
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 724
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 725
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 726
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 727
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 728
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 729
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 730
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 731
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
## 732
                                                          6.195938e-04
## 733
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 734
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 735
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
## 736
                                                          6.195938e-04
## 737
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
## 738
                                                          6.195938e-04
## 739
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
                                                          6.195938e-04
## 740
             0.0015492494 0.00000000 0.001869159
## 741
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 742
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 743
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 744
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 745
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
## 746
                                                          6.195938e-04
## 747
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
## 748
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 749
## 750
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 751
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 752
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 753
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 754
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 755
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 756
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
## 757
                                                          6.195938e-04
## 758
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
## 759
                                                          6.195938e-04
```

```
## 760
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
## 761
                                                          6.195938e-04
## 762
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
             0.0015492494 0.00000000 0.001869159
                                                          6.195938e-04
## 763
## 764
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 765
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 766
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 767
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
             0.2703327082 0.00000000 0.301557632
## 768
                                                          2.799494e-01
## 769
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
             0.2703327082 0.00000000 0.301557632
## 770
                                                          2.799494e-01
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 771
## 772
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 773
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 774
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 775
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 776
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 777
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
             0.2703327082 0.00000000 0.301557632
## 778
                                                          2.799494e-01
## 779
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 780
             0.2703327082 0.00000000 0.301557632
                                                          2.799494e-01
## 781
             0.2704593244 0.00000000 0.017445483
                                                          1.656445e-02
             0.2704593244 0.00000000 0.017445483
## 782
                                                          1.656445e-02
## 783
             0.2704593244 0.00000000 0.017445483
                                                          1.656445e-02
             0.2704593244 0.00000000 0.017445483
## 784
                                                          1.656445e-02
## 785
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 786
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 787
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 788
## 789
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 790
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 791
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 792
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 793
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 794
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 795
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 796
                                                          4.915577e-02
## 797
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 798
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 799
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 800
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 801
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 802
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 803
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 804
## 805
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 806
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 807
                                                          4.915577e-02
## 808
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 809
                                                          4.915577e-02
```

```
## 810
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 811
                                                          4.915577e-02
## 812
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 813
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 814
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 815
                                                          4.915577e-02
## 816
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 817
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 818
                                                          4.915577e-02
## 819
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 820
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 821
                                                          4.915577e-02
## 822
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 823
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 824
## 825
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 826
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 827
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 828
                                                          4.915577e-02
## 829
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 830
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 831
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 832
                                                          4.915577e-02
## 833
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 834
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 835
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 836
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 837
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 838
                                                          4.915577e-02
## 839
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 840
## 841
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 842
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 843
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 844
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 845
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 846
                                                          4.915577e-02
## 847
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
## 848
                                                          4.915577e-02
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 849
## 850
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
## 851
             0.1586087072 0.00000000 0.102803738
                                                          4.915577e-02
                                                          4.915577e-02
## 852
             0.1586087072 0.00000000 0.102803738
             0.0027713400 0.00000000 0.004361371
## 853
                                                          1.030715e-03
             0.0027713400 0.000000000 0.004361371
## 854
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 855
                                                          1.030715e-03
## 856
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 857
                                                          1.030715e-03
## 858
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 859
                                                          1.030715e-03
```

```
## 860
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 861
                                                          1.030715e-03
## 862
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 863
                                                          1.030715e-03
## 864
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 865
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 866
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 867
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 868
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 869
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 870
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 871
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 872
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 873
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 874
## 875
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 876
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 877
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 878
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 879
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 880
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 881
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 882
                                                          1.030715e-03
## 883
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 884
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 885
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 886
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 887
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 888
                                                          1.030715e-03
## 889
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
## 890
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 891
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 892
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 893
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 894
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 895
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 896
                                                          1.030715e-03
## 897
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 898
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 899
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 900
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 901
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 902
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 903
                                                          1.030715e-03
## 904
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 905
                                                          1.030715e-03
## 906
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 907
                                                          1.030715e-03
## 908
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 909
                                                          1.030715e-03
```

```
## 910
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.000000000 0.004361371
## 911
                                                          1.030715e-03
## 912
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 913
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 914
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 915
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 916
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 917
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 918
                                                          1.030715e-03
## 919
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 920
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 921
                                                          1.030715e-03
## 922
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 923
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 924
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 925
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 926
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 927
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 928
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
## 929
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 930
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 931
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 932
                                                          1.030715e-03
## 933
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
## 934
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 935
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 936
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 937
                                                          1.030715e-03
## 938
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 939
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 940
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 941
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 942
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 943
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 944
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
## 945
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 946
                                                          1.030715e-03
## 947
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 948
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 949
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 950
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
## 951
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
## 952
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 953
                                                          1.030715e-03
## 954
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 955
                                                          1.030715e-03
## 956
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 957
                                                          1.030715e-03
## 958
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 959
                                                          1.030715e-03
```

```
## 960
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 961
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 962
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 963
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 964
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 965
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 966
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 967
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 968
                                                          1.030715e-03
## 969
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 970
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.0027713400 0.00000000 0.004361371
## 971
                                                          1.030715e-03
## 972
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 973
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 974
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 975
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 976
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 977
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 978
             0.0027713400 0.000000000 0.004361371
                                                          1.030715e-03
## 979
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 980
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 981
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 982
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 983
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 984
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
## 985
             0.0027713400 0.00000000 0.004361371
                                                          1.030715e-03
             0.1767101433 0.00000000 0.119003115
## 986
                                                          5.386594e-02
## 987
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 988
## 989
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 990
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 991
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 992
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 993
                                                          5.386594e-02
## 994
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 995
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 996
                                                          5.386594e-02
## 997
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 998
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 999
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1000
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1001
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1002
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1003
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1004
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1005
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1006
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1007
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1008
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1009
                                                          5.386594e-02
```

```
## 1010
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1011
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1012
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1013
                                                          5.386594e-02
## 1014
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1015
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1016
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1017
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1018
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1019
                                                          5.386594e-02
## 1020
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1021
                                                          5.386594e-02
## 1022
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1023
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1024
## 1025
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1026
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1027
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1028
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1029
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1030
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1031
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1032
                                                          5.386594e-02
## 1033
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1034
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1035
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1036
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1037
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1038
                                                          5.386594e-02
## 1039
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1040
                                                          5.386594e-02
## 1041
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1042
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1043
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1044
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1045
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1046
                                                          5.386594e-02
## 1047
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1048
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1049
                                                          5.386594e-02
## 1050
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1051
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1052
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1053
                                                          5.386594e-02
## 1054
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1055
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1056
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1057
                                                          5.386594e-02
## 1058
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1059
                                                          5.386594e-02
```

```
## 1060
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1061
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1062
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1063
                                                          5.386594e-02
## 1064
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1065
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1066
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1067
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1068
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1069
                                                          5.386594e-02
## 1070
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1071
                                                          5.386594e-02
## 1072
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1073
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1074
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1075
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1076
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1077
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1078
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1079
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1080
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1081
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1082
                                                          5.386594e-02
## 1083
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1084
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1085
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1086
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1087
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1088
                                                          5.386594e-02
## 1089
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1090
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1091
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1092
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1093
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1094
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1095
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1096
                                                          5.386594e-02
## 1097
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1098
                                                          5.386594e-02
             0.1767101433 0.00000000 0.119003115
## 1099
                                                          5.386594e-02
## 1100
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
## 1101
             0.1767101433 0.00000000 0.119003115
                                                          5.386594e-02
                                                          5.386594e-02
## 1102
             0.1767101433 0.00000000 0.119003115
             0.1767101433 0.00000000 0.119003115
## 1103
                                                          5.386594e-02
             0.0182418987 0.00000000 0.044236760
## 1104
                                                          8.028543e-03
## 1105
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1106
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1107
                                                          8.028543e-03
## 1108
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1109
                                                          8.028543e-03
```

```
## 1110
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1111
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1112
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1113
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1114
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1115
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1116
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1117
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1118
                                                          8.028543e-03
## 1119
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1120
                                                          8.028543e-03
## 1121
             0.0182418987 0.00000000 0.044236760
                                                         8.028543e-03
## 1122
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1123
                                                          8.028543e-03
## 1124
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1125
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1126
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1127
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1128
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1129
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1130
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1131
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1132
                                                          8.028543e-03
## 1133
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1134
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1135
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1136
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1137
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1138
                                                          8.028543e-03
## 1139
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1140
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1141
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1142
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1143
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1144
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1145
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1146
                                                          8.028543e-03
## 1147
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1148
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1149
                                                          8.028543e-03
## 1150
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1151
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1152
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1153
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1154
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1155
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1156
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1157
                                                          8.028543e-03
## 1158
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1159
                                                          8.028543e-03
```

```
## 1160
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1161
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1162
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1163
                                                          8.028543e-03
## 1164
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1165
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1166
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1167
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1168
                                                          8.028543e-03
## 1169
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1170
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1171
                                                          8.028543e-03
## 1172
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1173
                                                          8.028543e-03
## 1174
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1175
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1176
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1177
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1178
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1179
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1180
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1181
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1182
                                                          8.028543e-03
## 1183
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1184
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1185
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1186
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1187
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1188
                                                          8.028543e-03
## 1189
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1190
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1191
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1192
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1193
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1194
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1195
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1196
                                                          8.028543e-03
## 1197
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1198
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1199
                                                          8.028543e-03
## 1200
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1201
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1202
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1203
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1204
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1205
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1206
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1207
                                                          8.028543e-03
## 1208
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1209
                                                          8.028543e-03
```

```
## 1210
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1211
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1212
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1213
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1214
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1215
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1216
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1217
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1218
                                                          8.028543e-03
## 1219
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1220
                                                          8.028543e-03
## 1221
             0.0182418987 0.00000000 0.044236760
                                                         8.028543e-03
## 1222
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1223
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1224
## 1225
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1226
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1227
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1228
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1229
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1230
                                                          8.028543e-03
## 1231
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1232
                                                          8.028543e-03
## 1233
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1234
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1235
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1236
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1237
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1238
                                                          8.028543e-03
## 1239
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1240
                                                          8.028543e-03
## 1241
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1242
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1243
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1244
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1245
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1246
                                                          8.028543e-03
## 1247
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1248
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1249
                                                          8.028543e-03
## 1250
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1251
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1252
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1253
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1254
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1255
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1256
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1257
                                                          8.028543e-03
## 1258
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1259
                                                          8.028543e-03
```

```
## 1260
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1261
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1262
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1263
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1264
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1265
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1266
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1267
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1268
                                                          8.028543e-03
## 1269
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1270
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1271
                                                          8.028543e-03
## 1272
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1273
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1274
## 1275
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1276
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1277
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1278
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1279
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1280
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
## 1281
             0.0182418987 0.00000000 0.044236760
                                                          8.028543e-03
             0.0182418987 0.00000000 0.044236760
## 1282
                                                          8.028543e-03
## 1283
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1284
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1285
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1286
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
             0.1720830093 0.00000000 0.099688474
## 1287
                                                          4.654367e-02
             0.1720830093 0.00000000 0.099688474
## 1288
                                                          4.654367e-02
## 1289
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1290
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1291
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1292
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1293
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1294
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1295
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
             0.1720830093 0.00000000 0.099688474
## 1296
                                                          4.654367e-02
## 1297
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1298
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1299
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1300
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1301
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1302
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1303
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1304
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1305
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1306
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
             0.1720830093 0.00000000 0.099688474
## 1307
                                                          4.654367e-02
## 1308
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1309
             0.1720830093 0.00000000 0.099688474
                                                         4.654367e-02
```

```
0.1720830093 0.00000000 0.099688474
## 1310
                                                          4.654367e-02
## 1311
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1312
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1313
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1314
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1315
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1316
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
## 1317
             0.1720830093 0.00000000 0.099688474
                                                          4.654367e-02
             0.0213116496 0.00000000 0.028660436
## 1318
                                                          1.659452e-02
             0.0213116496 0.00000000 0.028660436
## 1319
                                                          1.659452e-02
## 1320
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1321
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1322
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1323
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1324
## 1325
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1326
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1327
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
             0.0213116496 0.00000000 0.028660436
## 1328
                                                          1.659452e-02
## 1329
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1330
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1331
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
             0.0213116496 0.00000000 0.028660436
## 1332
                                                          1.659452e-02
## 1333
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1334
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1335
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1336
             0.0213116496 0.00000000 0.028660436
                                                          1.659452e-02
## 1337
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1338
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1339
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1340
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1341
## 1342
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1343
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1344
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1345
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
             0.0694997839 0.00000000 0.103426791
## 1346
                                                          4.428068e-02
## 1347
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1348
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1349
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1350
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1351
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
                                                         4.428068e-02
## 1352
             0.0694997839 0.00000000 0.103426791
## 1353
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1354
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1355
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1356
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1357
             0.0694997839 0.00000000 0.103426791
                                                          4.428068e-02
## 1358
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
             0.0043879549 0.00000000 0.002492212
## 1359
                                                          6.527864e-04
```

```
0.0043879549 0.00000000 0.002492212
## 1360
                                                          6.527864e-04
## 1361
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1362
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1363
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1364
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1365
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1366
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1367
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1368
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1369
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1370
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1371
             0.0043879549 0.00000000 0.002492212
                                                          6.527864e-04
## 1372
             0.3982316838 0.00000000 0.279750779
                                                          3.244348e-01
             0.3982316838 0.00000000 0.279750779
## 1373
                                                          3.244348e-01
## 1374
             0.3982316838 0.00000000 0.279750779
                                                          3.244348e-01
## 1375
             0.3982316838 0.00000000 0.279750779
                                                          3.244348e-01
## 1376
             0.3982316838 0.00000000 0.279750779
                                                          3.244348e-01
## 1377
             0.3982316838 0.00000000 0.279750779
                                                          3.244348e-01
## 1378
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1379
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1380
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1381
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
             0.0045843513 0.00000000 0.004984424
## 1382
                                                          2.326293e-03
## 1383
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1384
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1385
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
             0.0045843513 0.00000000 0.004984424
## 1386
                                                          2.326293e-03
             0.0045843513 0.00000000 0.004984424
## 1387
                                                          2.326293e-03
             0.0045843513 0.00000000 0.004984424
## 1388
                                                          2.326293e-03
## 1389
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1390
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1391
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1392
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1393
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1394
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1395
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
             0.0045843513 0.00000000 0.004984424
## 1396
                                                          2.326293e-03
## 1397
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1398
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1399
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
             0.0045843513 0.00000000 0.004984424
## 1400
                                                          2.326293e-03
## 1401
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1402
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1403
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1404
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1405
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1406
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
             0.0045843513 0.00000000 0.004984424
## 1407
                                                          2.326293e-03
## 1408
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
             0.0045843513 0.00000000 0.004984424
## 1409
                                                          2.326293e-03
```

```
## 1410
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1411
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1412
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1413
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1414
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1415
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1416
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1417
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
             0.0045843513 0.00000000 0.004984424
## 1418
                                                          2.326293e-03
             0.0045843513 0.00000000 0.004984424
## 1419
                                                          2.326293e-03
## 1420
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1421
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1422
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1423
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1424
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1425
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1426
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1427
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1428
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1429
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1430
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1431
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1432
             0.0045843513 0.00000000 0.004984424
                                                          2.326293e-03
## 1433
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1434
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1435
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
## 1436
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
## 1437
                                                          4.831109e-01
## 1438
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1439
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1440
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1441
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1442
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
## 1443
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
## 1444
                                                          4.831109e-01
## 1445
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
## 1446
                                                          4.831109e-01
## 1447
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
## 1448
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1449
## 1450
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1451
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1452
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1453
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1454
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
                                                          4.831109e-01
## 1455
             0.3170222456 0.00000000 0.829283489
## 1456
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
## 1457
                                                          4.831109e-01
## 1458
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
## 1459
                                                          4.831109e-01
```

```
## 1460
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1461
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1462
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1463
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1464
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1465
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1466
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
## 1467
                                                          4.831109e-01
             0.3170222456 0.00000000 0.829283489
## 1468
                                                          4.831109e-01
## 1469
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1470
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1471
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1472
             0.3170222456 0.00000000 0.829283489
                                                          4.831109e-01
## 1473
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1474
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1475
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1476
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1477
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1478
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1479
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1480
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1481
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1482
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1483
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1484
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1485
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
             0.1684975119 0.00000000 0.225545171
## 1486
                                                          1.536832e-01
             0.1684975119 0.00000000 0.225545171
## 1487
                                                          1.536832e-01
## 1488
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1489
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1490
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1491
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1492
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
             0.1684975119 0.00000000 0.225545171
## 1493
                                                          1.536832e-01
## 1494
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1495
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
             0.1684975119 0.00000000 0.225545171
## 1496
                                                          1.536832e-01
## 1497
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1498
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1499
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1500
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1501
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
                                                          1.536832e-01
## 1502
             0.1684975119 0.00000000 0.225545171
## 1503
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
## 1504
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
             0.1684975119 0.00000000 0.225545171
## 1505
                                                          1.536832e-01
## 1506
             0.1684975119 0.00000000 0.225545171
                                                          1.536832e-01
             0.3239638516 0.00000000 0.608722741
## 1507
                                                          2.378848e-01
## 1508
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1509
                                                          2.378848e-01
```

```
0.3239638516 0.00000000 0.608722741
## 1510
                                                          2.378848e-01
## 1511
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1512
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1513
                                                          2.378848e-01
## 1514
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1515
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1516
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1517
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1518
                                                          2.378848e-01
## 1519
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1520
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1521
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1522
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1523
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1524
                                                          2.378848e-01
## 1525
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1526
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1527
                                                          2.378848e-01
## 1528
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1529
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1530
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1531
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1532
                                                          2.378848e-01
## 1533
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1534
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1535
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1536
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1537
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1538
                                                          2.378848e-01
## 1539
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1540
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1541
## 1542
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1543
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1544
                                                          2.378848e-01
## 1545
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1546
                                                          2.378848e-01
## 1547
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1548
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1549
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1550
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1551
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
                                                          2.378848e-01
## 1552
             0.3239638516 0.00000000 0.608722741
             0.3239638516 0.00000000 0.608722741
## 1553
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1554
                                                          2.378848e-01
## 1555
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1556
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1557
                                                          2.378848e-01
## 1558
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1559
                                                          2.378848e-01
```

```
0.3239638516 0.00000000 0.608722741
## 1560
                                                          2.378848e-01
## 1561
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1562
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1563
                                                          2.378848e-01
## 1564
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1565
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1566
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1567
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1568
                                                          2.378848e-01
## 1569
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1570
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1571
                                                          2.378848e-01
## 1572
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1573
                                                          2.378848e-01
## 1574
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1575
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1576
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1577
                                                          2.378848e-01
## 1578
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1579
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1580
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
## 1581
             0.3239638516 0.00000000 0.608722741
                                                          2.378848e-01
             0.3239638516 0.00000000 0.608722741
## 1582
                                                          2.378848e-01
## 1583
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1584
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1585
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
## 1586
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
## 1587
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
## 1588
                                                          1.961438e-02
## 1589
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1590
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1591
## 1592
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1593
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1594
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1595
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
## 1596
                                                          1.961438e-02
## 1597
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1598
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1599
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1600
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1601
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1602
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
## 1603
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1604
## 1605
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1606
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
## 1607
                                                          1.961438e-02
## 1608
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
## 1609
                                                          1.961438e-02
```

```
0.0613260847 0.00000000 0.095950156
## 1610
                                                          1.961438e-02
## 1611
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1612
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
## 1613
                                                          1.961438e-02
## 1614
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1615
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1616
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1617
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1618
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1619
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1620
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
## 1621
                                                          1.961438e-02
## 1622
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1623
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1624
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1625
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1626
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1627
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1628
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1629
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1630
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1631
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
             0.0613260847 0.00000000 0.095950156
## 1632
                                                          1.961438e-02
## 1633
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1634
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1635
             0.0613260847 0.00000000 0.095950156
                                                          1.961438e-02
## 1636
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1637
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1638
                                                          1.333801e-03
## 1639
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1640
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1641
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1642
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1643
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1644
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1645
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1646
                                                          1.333801e-03
## 1647
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1648
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1649
                                                          1.333801e-03
## 1650
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1651
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1652
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1653
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1654
                                                          1.333801e-03
## 1655
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1656
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1657
                                                          1.333801e-03
## 1658
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1659
                                                          1.333801e-03
```

```
0.0050844662 0.00000000 0.009968847
## 1660
                                                          1.333801e-03
## 1661
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1662
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1663
                                                          1.333801e-03
## 1664
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1665
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1666
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1667
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1668
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1669
                                                          1.333801e-03
## 1670
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1671
                                                          1.333801e-03
## 1672
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1673
                                                          1.333801e-03
## 1674
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1675
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1676
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1677
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1678
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1679
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1680
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1681
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1682
                                                          1.333801e-03
## 1683
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1684
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1685
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1686
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1687
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1688
                                                          1.333801e-03
## 1689
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1690
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1691
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1692
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1693
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1694
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1695
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1696
                                                          1.333801e-03
## 1697
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1698
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1699
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1700
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1701
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1702
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1703
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1704
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1705
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1706
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1707
                                                          1.333801e-03
## 1708
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1709
                                                          1.333801e-03
```

```
0.0050844662 0.00000000 0.009968847
## 1710
                                                          1.333801e-03
## 1711
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1712
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1713
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1714
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1715
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1716
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1717
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1718
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1719
                                                          1.333801e-03
## 1720
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1721
                                                          1.333801e-03
                                                          1.333801e-03
## 1722
             0.0050844662 0.00000000 0.009968847
             0.0050844662 0.00000000 0.009968847
## 1723
                                                          1.333801e-03
## 1724
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1725
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1726
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1727
                                                          1.333801e-03
## 1728
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1729
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1730
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1731
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1732
                                                          1.333801e-03
## 1733
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1734
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1735
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1736
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1737
                                                          1.333801e-03
## 1738
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1739
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1740
                                                          1.333801e-03
## 1741
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1742
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1743
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1744
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1745
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1746
                                                          1.333801e-03
## 1747
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1748
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1749
                                                          1.333801e-03
## 1750
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1751
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1752
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1753
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1754
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1755
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1756
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1757
                                                          1.333801e-03
## 1758
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1759
                                                          1.333801e-03
```

```
## 1760
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1761
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1762
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1763
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1764
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1765
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1766
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1767
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1768
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1769
                                                          1.333801e-03
## 1770
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1771
                                                          1.333801e-03
                                                          1.333801e-03
## 1772
             0.0050844662 0.00000000 0.009968847
             0.0050844662 0.00000000 0.009968847
## 1773
                                                          1.333801e-03
## 1774
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1775
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1776
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1777
                                                          1.333801e-03
## 1778
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1779
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1780
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1781
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1782
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1783
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1784
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1785
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1786
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1787
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1788
                                                          1.333801e-03
## 1789
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1790
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1791
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1792
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1793
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1794
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1795
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1796
                                                          1.333801e-03
## 1797
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1798
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1799
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1800
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1801
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1802
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1803
                                                          1.333801e-03
## 1804
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1805
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1806
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1807
                                                          1.333801e-03
## 1808
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1809
                                                          1.333801e-03
```

```
## 1810
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1811
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1812
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1813
                                                          1.333801e-03
## 1814
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1815
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1816
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1817
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0050844662 0.00000000 0.009968847
## 1818
                                                          1.333801e-03
## 1819
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
## 1820
             0.0050844662 0.00000000 0.009968847
                                                          1.333801e-03
             0.0088307582 0.00000000 0.011838006
## 1821
                                                          3.755397e-03
## 1822
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
             0.0088307582 0.00000000 0.011838006
## 1823
                                                          3.755397e-03
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1824
## 1825
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1826
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
             0.0088307582 0.00000000 0.011838006
## 1827
                                                          3.755397e-03
## 1828
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1829
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1830
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1831
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
             0.0088307582 0.00000000 0.011838006
## 1832
                                                          3.755397e-03
## 1833
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1834
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1835
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
             0.0088307582 0.00000000 0.011838006
## 1836
                                                          3.755397e-03
             0.0088307582 0.00000000 0.011838006
## 1837
                                                          3.755397e-03
             0.0088307582 0.00000000 0.011838006
## 1838
                                                          3.755397e-03
## 1839
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
             0.0088307582 0.00000000 0.011838006
## 1840
                                                          3.755397e-03
## 1841
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1842
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1843
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1844
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1845
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
             0.0088307582 0.00000000 0.011838006
## 1846
                                                          3.755397e-03
## 1847
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1848
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
             0.0088307582 0.00000000 0.011838006
## 1849
                                                          3.755397e-03
## 1850
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
## 1851
             0.0088307582 0.00000000 0.011838006
                                                          3.755397e-03
##
              X0.0.4 X8.50550186882253
                                              X0.0.5
                                                          X806.0.2
## 1
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 2
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 3
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 4
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
                          0.0159386944 0.0000000000 0.3690476190
## 5
         0.000000000
## 6
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 7
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
```

```
## 8
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 9
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 10
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 11
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 12
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 13
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 14
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
##
  15
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 16
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 17
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 18
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 19
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 20
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 21
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 22
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 23
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 24
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 25
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 26
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 27
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 28
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
##
  29
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 30
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
##
  31
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
##
  32
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
##
  33
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 34
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
         0.000000000
## 35
                          0.0159386944 0.0000000000 0.3690476190
## 36
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 37
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
##
  38
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 39
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 40
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 41
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
##
  42
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 43
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
         0.000000000
## 44
                          0.0159386944 0.0000000000 0.3690476190
## 45
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 46
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 47
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 48
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 49
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 50
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 51
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 52
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 53
         0.000000000
## 54
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 55
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 56
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 57
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
```

```
## 58
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 59
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 60
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 61
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 62
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 63
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 64
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
##
  65
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 66
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 67
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 68
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 69
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
##
  70
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 71
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
  72
                          0.0159386944 0.0000000000 0.3690476190
##
         0.000000000
##
  73
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
##
  74
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 75
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 76
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
##
  77
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
  78
                          0.0159386944 0.0000000000 0.3690476190
##
         0.000000000
##
  79
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 80
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 81
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 82
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 83
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 84
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
         0.000000000
## 85
                          0.0159386944 0.0000000000 0.3690476190
## 86
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 87
         0.00000000
                          0.0159386944 0.0000000000 0.3690476190
## 88
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 89
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 90
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 91
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 92
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 93
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
         0.000000000
## 94
                          0.0159386944 0.0000000000 0.3690476190
## 95
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 96
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 97
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 98
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 99
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 100
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 101
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 102
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 103
         0.000000000
## 104
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 105
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 106
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 107
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
```

```
## 108
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 109
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 110
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 111
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 112
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 113
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 114
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 115
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 116
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 117
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 118
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 119
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 120
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 121
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 122
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 123
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 124
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 125
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 126
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 127
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 128
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 129
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 130
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 131
                          0.0159386944 0.0000000000 0.3690476190
         0.000000000
## 132
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 133
         0.000000000
                          0.0159386944 0.0000000000 0.3690476190
## 134
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 135
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 136
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 137
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 138
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 139
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 140
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 141
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 142
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 143
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 144
         0.174364896
## 145
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 146
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
                          0.6477990343 0.0197607904 0.8108974359
## 147
         0.174364896
## 148
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 149
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 150
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 151
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 152
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 153
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 154
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
                          0.6477990343 0.0197607904 0.8108974359
## 155
         0.174364896
## 156
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 157
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
```

```
## 158
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 159
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 160
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
                          0.6477990343 0.0197607904 0.8108974359
## 161
         0.174364896
## 162
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 163
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 164
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 165
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 166
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 167
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 168
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 169
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 170
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 171
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 172
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 173
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 174
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 175
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 176
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 177
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 178
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 179
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 180
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 181
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 182
         0.174364896
                           0.6477990343 0.0197607904 0.8108974359
## 183
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 184
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 185
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 186
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 187
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 188
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 189
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 190
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 191
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 192
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 193
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 194
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 195
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 196
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 197
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 198
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 199
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 200
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 201
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 202
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 203
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 204
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 205
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 206
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 207
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
```

```
## 208
                          0.6477990343 0.0197607904 0.8108974359
         0.174364896
## 209
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
## 210
         0.174364896
                          0.6477990343 0.0197607904 0.8108974359
                          0.6477990343 0.0197607904 0.8108974359
## 211
         0.174364896
## 212
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 213
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 214
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 215
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 216
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 217
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 218
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 219
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 220
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 221
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 222
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 223
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 224
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 225
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 226
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 227
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 228
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 229
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 230
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 231
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 232
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 233
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 234
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 235
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 236
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 237
         0.00000000
                          0.1251444688 0.0000000000 0.5407509158
## 238
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 239
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 240
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 241
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 242
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 243
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 244
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 245
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 246
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 247
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 248
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 249
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 250
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 251
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 252
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 253
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 254
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 255
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 256
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 257
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
```

```
## 258
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 259
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 260
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 261
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 262
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 263
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 264
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
##
  265
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 266
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 267
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 268
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 269
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 270
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 271
         0.00000000
                          0.1251444688 0.0000000000 0.5407509158
## 272
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 273
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 274
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 275
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 276
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 277
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 278
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 279
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 280
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 281
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 282
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 283
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 284
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 285
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 286
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 287
         0.00000000
                          0.1251444688 0.0000000000 0.5407509158
## 288
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 289
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 290
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 291
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 292
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 293
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 294
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 295
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 296
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 297
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 298
         0.00000000
                          0.1251444688 0.0000000000 0.5407509158
## 299
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 300
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 301
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 302
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 303
         0.000000000
## 304
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 305
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 306
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 307
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
```

```
## 308
                           0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 309
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 310
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 311
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 312
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 313
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 314
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 315
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 316
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 317
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 318
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 319
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 320
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 321
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 322
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 323
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 324
         0.00000000
                          0.1251444688 0.0000000000 0.5407509158
## 325
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 326
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 327
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 328
                          0.1251444688 0.0000000000 0.5407509158
         0.000000000
## 329
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 330
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 331
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 332
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 333
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 334
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 335
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 336
         0.000000000
                          0.1251444688 0.0000000000 0.5407509158
## 337
         0.003464203
                          0.0170465619 0.0000000000 0.0187728938
## 338
         0.003464203
                          0.0170465619 0.0000000000 0.0187728938
## 339
                          0.0170465619 0.0000000000 0.0187728938
         0.003464203
## 340
         0.003464203
                          0.0170465619 0.0000000000 0.0187728938
## 341
         0.003464203
                          0.0170465619 0.0000000000 0.0187728938
## 342
         0.003464203
                          0.0170465619 0.0000000000 0.0187728938
## 343
                          0.0170465619 0.0000000000 0.0187728938
         0.003464203
## 344
                          0.0170465619 0.0000000000 0.0187728938
         0.003464203
## 345
                          0.0170465619 0.0000000000 0.0187728938
         0.003464203
## 346
         0.003464203
                          0.0170465619 0.0000000000 0.0187728938
## 347
         0.003464203
                          0.0170465619 0.0000000000 0.0187728938
## 348
                          0.0170465619 0.0000000000 0.0187728938
         0.003464203
## 349
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 350
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 351
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 352
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 353
         0.053117783
## 354
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
                          0.1746001994 0.0000000000 0.3956043956
## 355
         0.053117783
## 356
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 357
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
```

```
## 358
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 359
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 360
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 361
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 362
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 363
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 364
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 365
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 366
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 367
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 368
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 369
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 370
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 371
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 372
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 373
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 374
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 375
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 376
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 377
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 378
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 379
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 380
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 381
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 382
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 383
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 384
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 385
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 386
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 387
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 388
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 389
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 390
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 391
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 392
                          0.1746001994 0.0000000000 0.3956043956
## 393
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 394
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 395
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 396
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 397
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 398
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 399
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 400
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 401
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 402
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 403
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 404
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
                          0.1746001994 0.0000000000 0.3956043956
## 405
         0.053117783
## 406
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 407
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
```

```
## 408
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 409
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 410
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 411
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 412
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 413
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 414
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 415
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 416
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 417
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 418
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 419
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 420
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 421
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 422
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 423
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 424
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 425
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 426
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 427
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 428
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 429
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 430
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 431
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 432
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 433
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 434
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 435
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 436
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 437
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 438
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 439
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 440
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
                          0.1746001994 0.0000000000 0.3956043956
## 441
         0.053117783
## 442
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 443
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 444
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 445
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 446
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 447
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 448
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 449
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 450
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 451
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 452
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 453
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 454
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 455
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 456
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 457
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
```

```
## 458
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
         0.053117783
## 459
                          0.1746001994 0.0000000000 0.3956043956
## 460
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 461
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 462
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 463
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 464
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 465
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 466
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 467
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 468
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 469
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 470
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 471
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 472
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 473
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 474
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 475
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 476
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 477
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 478
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 479
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 480
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 481
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 482
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 483
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 484
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 485
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 486
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 487
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 488
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 489
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 490
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
                          0.1746001994 0.0000000000 0.3956043956
## 491
         0.053117783
## 492
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 493
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 494
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 495
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 496
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 497
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 498
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 499
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 500
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 501
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 502
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 503
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 504
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
                          0.1746001994 0.0000000000 0.3956043956
## 505
         0.053117783
## 506
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 507
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
```

```
## 508
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 509
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 510
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 511
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 512
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 513
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 514
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 515
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 516
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 517
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 518
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 519
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 520
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 521
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 522
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 523
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 524
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 525
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 526
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 527
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 528
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 529
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
                          0.1746001994 0.0000000000 0.3956043956
## 530
         0.053117783
## 531
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 532
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 533
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 534
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 535
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 536
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 537
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 538
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 539
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 540
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 541
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 542
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 543
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 544
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 545
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 546
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 547
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 548
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 549
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 550
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 551
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 552
                          0.1746001994 0.0000000000 0.3956043956
         0.053117783
## 553
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 554
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
                          0.1746001994 0.0000000000 0.3956043956
## 555
         0.053117783
## 556
         0.053117783
                          0.1746001994 0.0000000000 0.3956043956
## 557
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
```

```
## 558
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 559
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 560
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 561
         0.006928406
## 562
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 563
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 564
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 565
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 566
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 567
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 568
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 569
         0.006928406
## 570
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 571
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 572
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 573
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 574
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 575
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 576
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 577
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 578
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 579
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 580
         0.006928406
## 581
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 582
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 583
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 584
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 585
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 586
         0.006928406
## 587
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 588
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 589
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 590
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 591
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 592
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 593
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 594
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 595
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 596
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 597
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 598
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 599
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 600
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 601
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 602
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 603
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 604
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 605
         0.006928406
## 606
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 607
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
```

```
## 608
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 609
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 610
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 611
         0.006928406
## 612
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 613
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 614
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 615
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 616
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 617
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 618
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 619
         0.006928406
## 620
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 621
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 622
         0.006928406
## 623
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 624
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 625
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 626
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 627
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 628
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 629
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 630
         0.006928406
## 631
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 632
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 633
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 634
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 635
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 636
         0.006928406
## 637
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 638
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 639
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 640
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 641
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 642
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 643
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 644
         0.006928406
## 645
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 646
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 647
         0.006928406
## 648
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 649
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 650
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 651
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 652
         0.006928406
## 653
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 654
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
                          0.0274193298 0.0005200208 0.1300366300
## 655
         0.006928406
## 656
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 657
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
```

```
## 658
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 659
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 660
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 661
                          0.0274193298 0.0005200208 0.1300366300
         0.006928406
## 662
         0.006928406
                          0.0274193298 0.0005200208 0.1300366300
## 663
         0.004618938
                          0.0024192301 0.0010400416 0.0032051282
## 664
                          0.0024192301 0.0010400416 0.0032051282
         0.004618938
##
  665
         0.004618938
                          0.0024192301 0.0010400416 0.0032051282
                          0.0024192301 0.0010400416 0.0032051282
## 666
         0.004618938
## 667
         0.004618938
                          0.0024192301 0.0010400416 0.0032051282
## 668
         0.004618938
                          0.0024192301 0.0010400416 0.0032051282
## 669
         0.000000000
                          0.000000000 0.000000000 0.0000000000
## 670
                          0.000000000 0.000000000 0.0000000000
         0.000000000
## 671
         0.000000000
                          0.000000000 0.000000000 0.0000000000
                          0.000000000 0.000000000 0.0000000000
## 672
         0.000000000
## 673
         0.047344111
                          0.0789054801 0.0000000000 0.0421245421
## 674
         0.047344111
                          0.0789054801 0.0000000000 0.0421245421
## 675
                          0.0789054801 0.0000000000 0.0421245421
         0.047344111
## 676
         0.047344111
                          0.0789054801 0.0000000000 0.0421245421
## 677
         0.047344111
                          0.0789054801 0.0000000000 0.0421245421
## 678
                          0.0789054801 0.0000000000 0.0421245421
         0.047344111
## 679
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 680
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 681
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 682
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 683
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 684
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 685
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
                          0.0029030761 0.0000000000 0.0032051282
## 686
         0.000000000
## 687
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 688
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 689
                          0.0029030761 0.0000000000 0.0032051282
         0.000000000
## 690
         0.00000000
                          0.0029030761 0.0000000000 0.0032051282
## 691
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 692
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 693
                          0.0029030761 0.0000000000 0.0032051282
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 694
         0.000000000
## 695
                          0.0029030761 0.0000000000 0.0032051282
         0.000000000
## 696
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 697
                          0.0029030761 0.0000000000 0.0032051282
         0.000000000
## 698
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 699
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 700
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 701
                          0.0029030761 0.0000000000 0.0032051282
         0.000000000
## 702
                          0.0029030761 0.0000000000 0.0032051282
         0.000000000
                          0.0029030761 0.0000000000 0.0032051282
## 703
         0.000000000
## 704
         0.030023095
                          0.000000000 0.0150806032 0.0132783883
                          0.0011354453 0.0000000000 0.0013736264
##
  705
         0.000000000
##
  706
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 707
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
```

```
## 708
                          0.0011354453 0.0000000000 0.0013736264
         0.000000000
  709
##
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  710
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 711
                          0.0011354453 0.0000000000 0.0013736264
         0.000000000
## 712
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 713
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
                           0.0011354453 0.0000000000 0.0013736264
##
  714
         0.000000000
##
  715
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 716
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 717
                          0.0011354453 0.0000000000 0.0013736264
         0.000000000
## 718
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
  719
##
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  720
                          0.0011354453 0.0000000000 0.0013736264
         0.000000000
## 721
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
  722
                          0.0011354453 0.0000000000 0.0013736264
##
         0.000000000
##
  723
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 724
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 725
                          0.0011354453 0.0000000000 0.0013736264
         0.000000000
## 726
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 727
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 728
                          0.0011354453 0.0000000000 0.0013736264
         0.000000000
##
  729
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 730
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  731
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  732
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  733
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  734
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 735
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
  736
                          0.0011354453 0.0000000000 0.0013736264
##
         0.000000000
##
  737
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
  738
##
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
  739
                          0.0011354453 0.0000000000 0.0013736264
##
         0.000000000
##
  740
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  741
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  742
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
  743
                          0.0011354453 0.0000000000 0.0013736264
##
         0.000000000
## 744
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  745
                          0.0011354453 0.0000000000 0.0013736264
         0.000000000
  746
##
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
  747
                          0.0011354453 0.0000000000 0.0013736264
##
         0.000000000
##
  748
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  749
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 750
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 751
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 752
                          0.0011354453 0.0000000000 0.0013736264
         0.000000000
## 753
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 754
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
                          0.0011354453 0.0000000000 0.0013736264
##
  755
         0.000000000
##
  756
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 757
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
```

```
## 758
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 759
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 760
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 761
                          0.0011354453 0.0000000000 0.0013736264
         0.000000000
## 762
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
## 763
         0.000000000
                          0.0011354453 0.0000000000 0.0013736264
##
  764
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
##
  765
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
## 766
                          0.2529398957 0.0572022881 0.3516483516
         0.177829099
## 767
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
## 768
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
## 769
                          0.2529398957 0.0572022881 0.3516483516
         0.177829099
##
  770
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
## 771
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
  772
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
##
## 773
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
## 774
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
## 775
                          0.2529398957 0.0572022881 0.3516483516
         0.177829099
## 776
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
## 777
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
## 778
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
##
  779
         0.177829099
                          0.2529398957 0.0572022881 0.3516483516
## 780
                          0.2529398957 0.0572022881 0.3516483516
         0.177829099
##
  781
         0.001154734
                          0.0224627174 0.0010400416 0.2101648352
## 782
         0.001154734
                          0.0224627174 0.0010400416 0.2101648352
## 783
         0.001154734
                          0.0224627174 0.0010400416 0.2101648352
## 784
                          0.0224627174 0.0010400416 0.2101648352
         0.001154734
## 785
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 786
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 787
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
  788
                          0.0644609072 0.0026001040 0.1684981685
##
         0.019630485
## 789
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 790
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 791
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 792
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 793
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 794
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 795
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 796
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
  797
                          0.0644609072 0.0026001040 0.1684981685
##
         0.019630485
##
  798
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 799
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 800
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 801
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 802
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 803
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 804
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
                          0.0644609072 0.0026001040 0.1684981685
## 805
         0.019630485
## 806
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
                          0.0644609072 0.0026001040 0.1684981685
## 807
         0.019630485
```

```
## 808
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 809
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 810
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 811
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 812
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 813
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 814
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 815
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 816
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 817
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 818
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 819
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 820
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 821
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 822
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 823
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 824
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 825
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 826
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 827
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 828
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 829
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 830
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 831
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 832
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 833
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
                          0.0644609072 0.0026001040 0.1684981685
## 834
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 835
         0.019630485
## 836
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 837
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 838
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 839
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 840
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 841
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 842
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 843
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 844
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 845
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 846
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 847
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 848
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 849
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 850
         0.019630485
                          0.0644609072 0.0026001040 0.1684981685
## 851
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
## 852
                          0.0644609072 0.0026001040 0.1684981685
         0.019630485
                          0.0021119487 0.0000000000 0.0059523810
## 853
         0.000000000
## 854
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 855
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 856
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 857
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
```

```
## 858
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 859
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 860
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 861
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 862
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 863
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 864
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
##
  865
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 866
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 867
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 868
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
                          0.0021119487 0.0000000000 0.0059523810
## 869
         0.000000000
## 870
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 871
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 872
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 873
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 874
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 875
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 876
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
                          0.0021119487 0.0000000000 0.0059523810
## 877
         0.000000000
## 878
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 879
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 880
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 881
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 882
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 883
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 884
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 885
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
                          0.0021119487 0.0000000000 0.0059523810
## 886
         0.000000000
## 887
         0.00000000
                          0.0021119487 0.0000000000 0.0059523810
## 888
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
                          0.0021119487 0.0000000000 0.0059523810
## 889
         0.000000000
## 890
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
                          0.0021119487 0.0000000000 0.0059523810
## 891
         0.000000000
## 892
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 893
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 894
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 895
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 896
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 897
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
##
  898
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 899
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 900
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 901
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 902
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 903
         0.000000000
## 904
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
                          0.0021119487 0.0000000000 0.0059523810
## 905
         0.000000000
## 906
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 907
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
```

```
0.0021119487 0.0000000000 0.0059523810
## 908
         0.000000000
## 909
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 910
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 911
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 912
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 913
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 914
                           0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 915
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 916
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 917
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 918
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
                          0.0021119487 0.0000000000 0.0059523810
## 919
         0.000000000
## 920
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 921
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 922
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 923
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 924
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 925
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 926
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
                          0.0021119487 0.0000000000 0.0059523810
## 927
         0.000000000
## 928
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 929
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 930
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 931
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 932
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 933
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 934
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 935
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 936
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 937
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 938
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 939
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 940
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
                          0.0021119487 0.0000000000 0.0059523810
## 941
         0.000000000
## 942
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 943
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 944
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 945
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 946
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 947
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 948
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 949
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 950
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 951
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 952
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 953
         0.000000000
## 954
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 955
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 956
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 957
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
```

```
0.0021119487 0.0000000000 0.0059523810
## 958
         0.000000000
## 959
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 960
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 961
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 962
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 963
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 964
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 965
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 966
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 967
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 968
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 969
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 970
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 971
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 972
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 973
         0.000000000
                           0.0021119487 0.0000000000 0.0059523810
## 974
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 975
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 976
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 977
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 978
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 979
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 980
                          0.0021119487 0.0000000000 0.0059523810
         0.000000000
## 981
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 982
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 983
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 984
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 985
         0.000000000
                          0.0021119487 0.0000000000 0.0059523810
## 986
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 987
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 988
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 989
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 990
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
                          0.0588113603 0.0005200208 0.3489010989
## 991
         0.034642032
## 992
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 993
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 994
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 995
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
                          0.0588113603 0.0005200208 0.3489010989
## 996
         0.034642032
## 997
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 998
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 999
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1000
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1001
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1002
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1003
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1004
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1005
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1006
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1007
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
```

```
## 1008
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1009
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1010
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1011
                          0.0588113603 0.0005200208 0.3489010989
        0.034642032
## 1012
        0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1013
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1014
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1015
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1016
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1017
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1018
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1019
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1020
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1021
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1022
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1023
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1024
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1025
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1026
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1027
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1028
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1029
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1030
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1031
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1032
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1033
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1034
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
                          0.0588113603 0.0005200208 0.3489010989
## 1035
         0.034642032
## 1036
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1037
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1038
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1039
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1040
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1041
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1042
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1043
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1044
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1045
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1046
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1047
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1048
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1049
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1050
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1051
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1052
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1053
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1054
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1055
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1056
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
                          0.0588113603 0.0005200208 0.3489010989
## 1057 0.034642032
```

```
## 1058
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1059
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1060
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1061
                          0.0588113603 0.0005200208 0.3489010989
        0.034642032
## 1062
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1063
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1064
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1065
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1066
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1067
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1068
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1069
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1070
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1071
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1072
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1073
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1074
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1075
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1076
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1077
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1078
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1079
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1080
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1081
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1082
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1083
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1084
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1085
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1086
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1087
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1088
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1089
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1090
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1091
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1092
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1093
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1094
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1095
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1096
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1097
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1098
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1099
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1100
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1101
                          0.0588113603 0.0005200208 0.3489010989
         0.034642032
## 1102
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1103
         0.034642032
                          0.0588113603 0.0005200208 0.3489010989
## 1104
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1105
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1106
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
                          0.0162731826 0.0000000000 0.0370879121
## 1107
         0.000000000
```

```
## 1108
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1109
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1110
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1111
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1112
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1113
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1114
                          0.0162731826 0.0000000000 0.0370879121
## 1115
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1116
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1117
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1118
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1119
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1120
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1121
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1122
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1123
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1124
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1125
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1126
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1127
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1128
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1129
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1130
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1131
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1132
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1133
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1134
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1135
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1136
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1137
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1138
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1139
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1140
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1141
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1142
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1143
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1144
                          0.0162731826 0.0000000000 0.0370879121
         0.00000000
## 1145
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1146
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1147
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1148
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1149
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1150
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1151
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1152
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1153
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1154
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
                          0.0162731826 0.0000000000 0.0370879121
## 1155
         0.000000000
## 1156
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1157
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
```

```
## 1158
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1159
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1160
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1161
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1162
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1163
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1164
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1165
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1166
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1167
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1168
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1169
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1170
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1171
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1172
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1173
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1174
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1175
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1176
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1177
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1178
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1179
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1180
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1181
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1182
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1183
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1184
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1185
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1186
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1187
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1188
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1189
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1190
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1191
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1192
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1193
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1194
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1195
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1196
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1197
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1198
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1199
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1200
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1201
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1202
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1203
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1204
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1205
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1206
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1207
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
```

```
## 1208
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1209
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1210
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1211
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1212
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1213
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1214
                          0.0162731826 0.0000000000 0.0370879121
## 1215
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1216
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1217
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1218
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1219
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1220
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1221
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1222
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1223
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1224
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1225
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1226
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1227
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1228
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1229
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1230
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1231
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1232
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1233
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1234
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1235
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1236
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1237
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1238
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1239
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1240
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1241
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1242
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1243
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1244
                          0.0162731826 0.0000000000 0.0370879121
         0.00000000
## 1245
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1246
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1247
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1248
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1249
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1250
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1251
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1252
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1253
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1254
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
                          0.0162731826 0.0000000000 0.0370879121
## 1255
         0.000000000
## 1256
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1257
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
```

```
## 1258
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1259
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1260
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1261
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1262
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1263
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1264
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1265
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1266
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1267
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1268
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1269
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1270
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1271
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1272
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1273
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1274
         0.00000000
                          0.0162731826 0.0000000000 0.0370879121
## 1275
                          0.0162731826 0.0000000000 0.0370879121
         0.000000000
## 1276
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1277
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1278
                          0.0162731826 0.0000000000 0.0370879121
         0.00000000
## 1279
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
                          0.0162731826 0.0000000000 0.0370879121
## 1280
         0.000000000
## 1281
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1282
         0.000000000
                          0.0162731826 0.0000000000 0.0370879121
## 1283
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1284
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1285
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1286
                          0.0652986043 0.0000000000 0.1346153846
         0.016166282
## 1287
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1288
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1289
                          0.0652986043 0.0000000000 0.1346153846
         0.016166282
## 1290
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1291
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1292
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1293
                          0.0652986043 0.0000000000 0.1346153846
         0.016166282
## 1294
                          0.0652986043 0.0000000000 0.1346153846
         0.016166282
## 1295
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1296
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1297
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1298
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1299
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1300
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1301
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1302
                          0.0652986043 0.0000000000 0.1346153846
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1303
         0.016166282
## 1304
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
                          0.0652986043 0.0000000000 0.1346153846
## 1305
         0.016166282
## 1306
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1307
        0.016166282
                          0.0652986043 0.0000000000 0.1346153846
```

```
## 1308
                          0.0652986043 0.0000000000 0.1346153846
         0.016166282
## 1309
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1310
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1311
                          0.0652986043 0.0000000000 0.1346153846
         0.016166282
## 1312
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1313
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1314
                          0.0652986043 0.0000000000 0.1346153846
         0.016166282
## 1315
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1316
         0.016166282
                          0.0652986043 0.0000000000 0.1346153846
## 1317
                          0.0652986043 0.0000000000 0.1346153846
         0.016166282
## 1318
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1319
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1320
                          0.0240736620 0.0000000000 0.0238095238
         0.000000000
## 1321
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1322
                          0.0240736620 0.0000000000 0.0238095238
         0.000000000
## 1323
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1324
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1325
                          0.0240736620 0.0000000000 0.0238095238
         0.000000000
## 1326
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1327
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1328
                          0.0240736620 0.0000000000 0.0238095238
         0.000000000
## 1329
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1330
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1331
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1332
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1333
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1334
         0.00000000
                          0.0240736620 0.0000000000 0.0238095238
## 1335
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1336
         0.000000000
                          0.0240736620 0.0000000000 0.0238095238
## 1337
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1338
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1339
                          0.0667499010 0.0000000000 0.0801282051
         0.023094688
## 1340
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1341
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1342
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1343
                          0.0667499010 0.0000000000 0.0801282051
         0.023094688
## 1344
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1345
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1346
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1347
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1348
                          0.0667499010 0.0000000000 0.0801282051
         0.023094688
## 1349
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1350
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1351
                          0.0667499010 0.0000000000 0.0801282051
         0.023094688
## 1352
                          0.0667499010 0.0000000000 0.0801282051
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1353
         0.023094688
## 1354
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1355
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1356
         0.023094688
                          0.0667499010 0.0000000000 0.0801282051
## 1357 0.023094688
                          0.0667499010 0.0000000000 0.0801282051
```

```
## 1358
                          0.0019304405 0.0000000000 0.0036630037
         0.000000000
## 1359
         0.000000000
                          0.0019304405 0.0000000000 0.0036630037
## 1360
         0.000000000
                          0.0019304405 0.0000000000 0.0036630037
## 1361
                          0.0019304405 0.0000000000 0.0036630037
         0.000000000
## 1362
         0.00000000
                          0.0019304405 0.0000000000 0.0036630037
## 1363
         0.000000000
                          0.0019304405 0.0000000000 0.0036630037
## 1364
                          0.0019304405 0.0000000000 0.0036630037
         0.000000000
## 1365
         0.000000000
                          0.0019304405 0.0000000000 0.0036630037
## 1366
         0.00000000
                          0.0019304405 0.0000000000 0.0036630037
## 1367
         0.000000000
                          0.0019304405 0.0000000000 0.0036630037
## 1368
         0.00000000
                          0.0019304405 0.0000000000 0.0036630037
## 1369
         0.000000000
                          0.0019304405 0.0000000000 0.0036630037
## 1370
                          0.0019304405 0.0000000000 0.0036630037
         0.000000000
## 1371
         0.000000000
                          0.0019304405 0.0000000000 0.0036630037
## 1372
                          0.3289921651 0.0499219969 0.4711538462
         0.108545035
## 1373
         0.108545035
                          0.3289921651 0.0499219969 0.4711538462
## 1374
         0.108545035
                          0.3289921651 0.0499219969 0.4711538462
## 1375
                          0.3289921651 0.0499219969 0.4711538462
         0.108545035
## 1376
         0.108545035
                          0.3289921651 0.0499219969 0.4711538462
## 1377
         0.108545035
                          0.3289921651 0.0499219969 0.4711538462
## 1378
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
## 1379
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1380
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1381
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1382
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1383
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1384
         0.00000000
                          0.0035463739 0.0000000000 0.0045787546
## 1385
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1386
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1387
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1388
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1389
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
## 1390
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1391
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1392
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1393
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
         0.000000000
## 1394
                          0.0035463739 0.0000000000 0.0045787546
## 1395
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
## 1396
         0.00000000
                          0.0035463739 0.0000000000 0.0045787546
## 1397
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1398
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1399
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1400
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1401
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1402
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1403
         0.000000000
## 1404
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1405
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1406
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1407
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
```

```
## 1408
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
## 1409
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1410
         0.00000000
                          0.0035463739 0.0000000000 0.0045787546
## 1411
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
## 1412
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1413
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1414
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
## 1415
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1416
         0.00000000
                          0.0035463739 0.0000000000 0.0045787546
## 1417
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1418
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1419
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1420
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
## 1421
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1422
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
## 1423
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1424
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1425
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
## 1426
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1427
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1428
                          0.0035463739 0.0000000000 0.0045787546
         0.000000000
## 1429
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1430
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1431
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1432
         0.000000000
                          0.0035463739 0.0000000000 0.0045787546
## 1433
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1434
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
                          0.6013549973 0.0000000000 0.7765567766
## 1435
         0.113163972
## 1436
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1437
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1438
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1439
                          0.6013549973 0.0000000000 0.7765567766
         0.113163972
## 1440
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1441
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1442
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1443
                          0.6013549973 0.0000000000 0.7765567766
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1444
         0.113163972
## 1445
                          0.6013549973 0.0000000000 0.7765567766
         0.113163972
## 1446
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1447
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1448
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1449
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1450
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1451
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1452
                          0.6013549973 0.0000000000 0.7765567766
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1453
         0.113163972
## 1454
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1455
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1456
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1457 0.113163972
                          0.6013549973 0.0000000000 0.7765567766
```

```
## 1458
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1459
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1460
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1461
                          0.6013549973 0.0000000000 0.7765567766
         0.113163972
## 1462
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1463
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1464
                          0.6013549973 0.0000000000 0.7765567766
         0.113163972
## 1465
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1466
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1467
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1468
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1469
                          0.6013549973 0.0000000000 0.7765567766
         0.113163972
## 1470
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1471
         0.113163972
                          0.6013549973 0.0000000000 0.7765567766
## 1472
                          0.6013549973 0.0000000000 0.7765567766
         0.113163972
## 1473
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1474
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1475
                          0.1683435132 0.0166406656 0.2055860806
         0.064665127
## 1476
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1477
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1478
                          0.1683435132 0.0166406656 0.2055860806
         0.064665127
## 1479
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1480
                          0.1683435132 0.0166406656 0.2055860806
         0.064665127
## 1481
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1482
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1483
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1484
                          0.1683435132 0.0166406656 0.2055860806
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1485
         0.064665127
## 1486
                          0.1683435132 0.0166406656 0.2055860806
         0.064665127
## 1487
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1488
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1489
                          0.1683435132 0.0166406656 0.2055860806
         0.064665127
## 1490
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1491
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1492
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1493
                          0.1683435132 0.0166406656 0.2055860806
         0.064665127
## 1494
                          0.1683435132 0.0166406656 0.2055860806
         0.064665127
## 1495
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1496
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1497
                          0.1683435132 0.0166406656 0.2055860806
         0.064665127
## 1498
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1499
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1500
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1501
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1502
                          0.1683435132 0.0166406656 0.2055860806
         0.064665127
## 1503
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1504
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1505
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1506
         0.064665127
                          0.1683435132 0.0166406656 0.2055860806
## 1507
        0.035796767
                          0.3508498206 0.0031201248 0.5485347985
```

```
## 1508
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1509
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1510
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1511
                          0.3508498206 0.0031201248 0.5485347985
        0.035796767
## 1512
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1513
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1514
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1515
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1516
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1517
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1518
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1519
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1520
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1521
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1522
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1523
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1524
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1525
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1526
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1527
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1528
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1529
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1530
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1531
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1532
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1533
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1534
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1535
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1536
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1537
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1538
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1539
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1540
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1541
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1542
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1543
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1544
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1545
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1546
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1547
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1548
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1549
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1550
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1551
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1552
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1553
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1554
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1555
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1556
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1557
        0.035796767
                          0.3508498206 0.0031201248 0.5485347985
```

```
## 1558
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1559
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1560
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
                          0.3508498206 0.0031201248 0.5485347985
## 1561
         0.035796767
## 1562
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1563
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1564
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1565
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1566
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1567
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1568
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1569
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1570
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1571
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1572
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1573
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1574
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1575
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1576
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1577
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1578
                          0.3508498206 0.0031201248 0.5485347985
         0.035796767
## 1579
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1580
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1581
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1582
         0.035796767
                          0.3508498206 0.0031201248 0.5485347985
## 1583
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1584
         0.00000000
                          0.0431800965 0.0000000000 0.0778388278
## 1585
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1586
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1587
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1588
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1589
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1590
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1591
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1592
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1593
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1594
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1595
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1596
         0.00000000
                          0.0431800965 0.0000000000 0.0778388278
## 1597
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1598
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1599
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1600
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1601
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1602
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1603
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1604
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1605
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1606
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1607
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
```

```
## 1608
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1609
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1610
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1611
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1612
         0.00000000
                          0.0431800965 0.0000000000 0.0778388278
## 1613
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1614
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1615
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1616
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1617
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1618
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1619
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1620
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1621
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1622
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1623
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1624
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1625
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1626
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1627
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1628
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1629
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1630
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1631
                          0.0431800965 0.0000000000 0.0778388278
         0.000000000
## 1632
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1633
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1634
         0.00000000
                          0.0431800965 0.0000000000 0.0778388278
## 1635
         0.000000000
                          0.0431800965 0.0000000000 0.0778388278
## 1636
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1637
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1638
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1639
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1640
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1641
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1642
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1643
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1644
## 1645
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1646
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1647
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1648
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1649
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1650
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1651
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1652
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1653
         0.000000000
## 1654
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1655
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1656
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1657
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
```

```
## 1658
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1659
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1660
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1661
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1662
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1663
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1664
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1665
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1666
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1667
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1668
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1669
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1670
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1671
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1672
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1673
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1674
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1675
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1676
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1677
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1678
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1679
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1680
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1681
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1682
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1683
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1684
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
                          0.0033605291 0.0000000000 0.0114468864
## 1685
         0.000000000
## 1686
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1687
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1688
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1689
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1690
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1691
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1692
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1693
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1694
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1695
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1696
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1697
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1698
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1699
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1700
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1701
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1702
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1703
         0.000000000
## 1704
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1705
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1706
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1707
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
```

```
## 1708
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1709
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1710
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1711
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1712
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1713
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1714
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1715
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1716
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1717
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1718
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1719
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1720
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1721
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1722
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1723
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1724
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1725
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1726
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1727
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1728
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1729
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1730
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1731
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1732
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1733
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1734
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
                          0.0033605291 0.0000000000 0.0114468864
## 1735
         0.000000000
## 1736
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1737
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1738
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1739
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1740
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1741
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1742
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1743
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1744
                          0.0033605291 0.0000000000 0.0114468864
         0.00000000
## 1745
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1746
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1747
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1748
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1749
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1750
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1751
                          0.0033605291 0.0000000000 0.0114468864
         0.00000000
## 1752
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1753
         0.000000000
## 1754
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
                          0.0033605291 0.0000000000 0.0114468864
## 1755
         0.000000000
## 1756
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1757
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
```

```
## 1758
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1759
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1760
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1761
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1762
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1763
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1764
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1765
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1766
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1767
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1768
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1769
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1770
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1771
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1772
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1773
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1774
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1775
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1776
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1777
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1778
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1779
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1780
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1781
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1782
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1783
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1784
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1785
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1786
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1787
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1788
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1789
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1790
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1791
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1792
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1793
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1794
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1795
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1796
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1797
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1798
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1799
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1800
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1801
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1802
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1803
         0.000000000
## 1804
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1805
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1806
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1807
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
```

```
## 1808
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1809
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1810
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1811
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1812
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1813
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1814
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1815
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1816
         0.00000000
                          0.0033605291 0.0000000000 0.0114468864
## 1817
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1818
         0.000000000
                          0.0033605291 0.0000000000 0.0114468864
## 1819
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1820
                          0.0033605291 0.0000000000 0.0114468864
         0.000000000
## 1821
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1822
                          0.0058434126 0.0000000000 0.0146520147
         0.002309469
## 1823
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1824
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1825
                          0.0058434126 0.0000000000 0.0146520147
         0.002309469
## 1826
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1827
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1828
                          0.0058434126 0.0000000000 0.0146520147
         0.002309469
## 1829
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1830
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1831
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1832
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1833
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1834
                          0.0058434126 0.0000000000 0.0146520147
         0.002309469
## 1835
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1836
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1837
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1838
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1839
                          0.0058434126 0.0000000000 0.0146520147
         0.002309469
## 1840
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1841
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1842
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1843
                          0.0058434126 0.0000000000 0.0146520147
         0.002309469
## 1844
                          0.0058434126 0.0000000000 0.0146520147
         0.002309469
## 1845
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1846
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1847
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1848
                          0.0058434126 0.0000000000 0.0146520147
         0.002309469
## 1849
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1850
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
## 1851
         0.002309469
                          0.0058434126 0.0000000000 0.0146520147
##
                                    X1.0.1 X70.25478763764251
         X10.649253731343284
                                                                     X.69.0
## 1
                5.537833e-03 0.0005200208
                                                 0.0999152131 0.3943447856
## 2
                5.537833e-03 0.0005200208
                                                 0.0999152131 0.3943447856
                                                 0.0999152131 0.3943447856
## 3
                5.537833e-03 0.0005200208
## 4
                5.537833e-03 0.0005200208
                                                 0.0999152131 0.3943447856
## 5
                5.537833e-03 0.0005200208
                                                 0.0999152131 0.3943447856
```

## 6	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 7	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 8	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 9	5.537833e-03 0.0005200208		0.3943447856
## 10	5.537833e-03 0.0005200208		0.3943447856
## 11	5.537833e-03 0.0005200208		0.3943447856
## 12	5.537833e-03 0.0005200208		0.3943447856
## 13	5.537833e-03 0.0005200208		0.3943447856
## 14	5.537833e-03 0.0005200208		0.3943447856
## 15	5.537833e-03 0.0005200208		0.3943447856
## 16	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 17	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 18	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 19	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 20	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 21	5.537833e-03 0.0005200208		0.3943447856
## 22	5.537833e-03 0.0005200208		0.3943447856
## 23	5.537833e-03 0.0005200208		0.3943447856
## 24	5.537833e-03 0.0005200208		0.3943447856
## 25	5.537833e-03 0.0005200208		0.3943447856
## 26	5.537833e-03 0.0005200208		0.3943447856
## 27	5.537833e-03 0.0005200208		0.3943447856
## 28	5.537833e-03 0.0005200208		0.3943447856
## 29	5.537833e-03 0.0005200208		0.3943447856
## 30	5.537833e-03 0.0005200208		0.3943447856
## 31	5.537833e-03 0.0005200208		0.3943447856
## 32	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 33	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 34	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 35	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 36	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 37	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 38	5.537833e-03 0.0005200208		0.3943447856
## 39	5.537833e-03 0.0005200208		0.3943447856
## 40	5.537833e-03 0.0005200208		0.3943447856
## 41	5.537833e-03 0.0005200208		0.3943447856
## 42	5.537833e-03 0.0005200208		0.3943447856
## 43	5.537833e-03 0.0005200208 5.537833e-03 0.0005200208		0.3943447856
## 44			
	5.537833e-03 0.0005200208		0.3943447856
## 45	5.537833e-03 0.0005200208		0.3943447856
## 46	5.537833e-03 0.0005200208		0.3943447856
## 47	5.537833e-03 0.0005200208		0.3943447856
## 48	5.537833e-03 0.0005200208		0.3943447856
## 49	5.537833e-03 0.0005200208		0.3943447856
## 50	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 51	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 52	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 53	5.537833e-03 0.0005200208	0.0999152131	0.3943447856
## 54	5.537833e-03 0.0005200208		0.3943447856
## 55	5.537833e-03 0.0005200208		0.3943447856

##	56	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	57	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	58	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	59	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	60	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##		5.537833e-03		0.0999152131	
##		5.537833e-03		0.0999152131	
##		5.537833e-03		0.0999152131	
##		5.537833e-03			0.3943447856
##	=	5.537833e-03		0.0999152131	
##		5.537833e-03		0.0999152131	
##		5.537833e-03		0.0999152131	
##		5.537833e-03		0.0999152131	
##		5.537833e-03			0.3943447856
##		5.537833e-03			0.3943447856
##		5.537833e-03			0.3943447856
##		5.537833e-03		0.0999152131	
##					
	_	5.537833e-03 5.537833e-03		0.0999152131	
##				<pre>0.0999152131 0.0999152131</pre>	
##		5.537833e-03			
##		5.537833e-03			0.3943447856
	77	5.537833e-03		0.0999152131	
##		5.537833e-03			0.3943447856
##		5.537833e-03		0.0999152131	
##		5.537833e-03		0.0999152131	
##		5.537833e-03			0.3943447856
##		5.537833e-03			0.3943447856
##		5.537833e-03			0.3943447856
##		5.537833e-03		0.0999152131	
##		5.537833e-03			0.3943447856
	86	5.537833e-03		0.0999152131	
	87	5.537833e-03		0.0999152131	
##		5.537833e-03			0.3943447856
##		5.537833e-03		0.0999152131	
##		5.537833e-03			0.3943447856
##		5.537833e-03		0.0999152131	
##		5.537833e-03			0.3943447856
##	93	5.537833e-03		0.0999152131	0.3943447856
##		5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	95	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	96	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	97	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	98	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	99	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	100	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	101	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	102	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	103	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
	104	5.537833e-03			0.3943447856
	105	5.537833e-03		0.0999152131	

##	106	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	107	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	108	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	109	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	110	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	111	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	112	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	113	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	114	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	115	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	116	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	117	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	118	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	119	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	120	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	121	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	122	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	123	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	124	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	125	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	126	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	127	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	128	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	129	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	130	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	131	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
##	132	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
	133	5.537833e-03	0.0005200208	0.0999152131	0.3943447856
	134	2.935917e-01		0.5437211992	
	135	2.935917e-01		0.5437211992	
	136	2.935917e-01		0.5437211992	
	137	2.935917e-01		0.5437211992	
	138	2.935917e-01		0.5437211992	
	139	2.935917e-01		0.5437211992	
	140	2.935917e-01		0.5437211992	
	141	2.935917e-01		0.5437211992	
	142	2.935917e-01		0.5437211992	
	143	2.935917e-01		0.5437211992	
	144	2.935917e-01		0.5437211992	
	145	2.935917e-01		0.5437211992	
	146	2.935917e-01		0.5437211992	
	147	2.935917e-01		0.5437211992	
	148	2.935917e-01		0.5437211992	
	149	2.935917e-01		0.5437211992	
	150	2.935917e-01		0.5437211992	
	151	2.935917e-01		0.5437211992	
	152	2.935917e-01		0.5437211992	
	153	2.935917e-01		0.5437211992	
	154	2.935917e-01		0.5437211992	
##	155	2.935917e-01	0.2402298492	0.5437211992	0.80800000.0

## 156	11992 0.0006080876 11992 0.0006080876 11992 0.0006080876 11992 0.0006080876 11992 0.0006080876	0.5437211992			
## 158	11992 0.0006080876 11992 0.0006080876 11992 0.0006080876 11992 0.0006080876		A 2462200402	2 0250170 01	4
## 159	11992 0.0006080876 11992 0.0006080876 11992 0.0006080876				
## 160	11992 0.0006080876 11992 0.0006080876				## 158
## 161	11992 0.0006080876				
## 162					
## 163	11001 0 000000070				
## 164					
## 165					
## 166					
## 167					
## 168					
## 169					
## 170					
## 171					
## 172					
## 173					
## 174					
## 175					
## 176					
## 177					
## 178					
## 179					
## 180					
## 181					
## 182					
## 183					
## 184					
## 185					
## 186					
## 187					
## 188					
## 189					
## 190					
## 191					
## 192					
## 193					
## 194					
## 195					
## 196					
## 197					
## 198					
## 199					
## 200 2.935917e-01 0.2462298492 0.5437211992 0.00060808 ## 201 2.935917e-01 0.2462298492 0.5437211992 0.00060808					
## 201 2.935917e-01 0.2462298492 0.5437211992 0.00060808					
## /W/ /. 77771/P-WI W./4D//YA47/ W.745//IIYY/ W.NWNDNXNX					
## 203 2.935917e-01 0.2462298492 0.5437211992 0.00060808					
## 204					
## 205 2.935917e-01 0.2462298492 0.5437211992 0.00060808 ## 205 2.935917e-01 0.2462298492 0.5437211992 0.00060808					
	11992 0.00000000/0	0.343/211392	. 0.2402230432	2.95591/8-01	## 200

##	206	2.935917e-01	0.2462298492	0.5437211992	0.0006080876
##	207	2.935917e-01	0.2462298492	0.5437211992	0.0006080876
##	208	2.935917e-01	0.2462298492	0.5437211992	0.0006080876
##	209	2.935917e-01	0.2462298492	0.5437211992	0.0006080876
##	210	2.935917e-01	0.2462298492	0.5437211992	0.0006080876
##	211	2.935917e-01	0.2462298492	0.5437211992	0.0006080876
##	212	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	213	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	214	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	215	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	216	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	217	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	218	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	219	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	220	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	221	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	222	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	223	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	224	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	225	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	226	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	227	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	228	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	229	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	230	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	231	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
	232	4.243786e-02		0.2456826763	
	233	4.243786e-02		0.2456826763	
	234	4.243786e-02		0.2456826763	
	235	4.243786e-02		0.2456826763	
	236	4.243786e-02		0.2456826763	
	237	4.243786e-02		0.2456826763	
	238	4.243786e-02		0.2456826763	
	239	4.243786e-02		0.2456826763	
	240	4.243786e-02		0.2456826763	
	241	4.243786e-02		0.2456826763	
	242	4.243786e-02		0.2456826763	
	243	4.243786e-02		0.2456826763	
	244	4.243786e-02		0.2456826763	
	245	4.243786e-02		0.2456826763	
	246	4.243786e-02		0.2456826763	
	247	4.243786e-02		0.2456826763	
	248	4.243786e-02		0.2456826763	
	249	4.243786e-02		0.2456826763	
	250	4.243786e-02		0.2456826763	
	251	4.243786e-02 4.243786e-02		0.24568267630.2456826763	
	252 253	4.243786e-02 4.243786e-02		0.2456826763	
	253 254	4.243786e-02 4.243786e-02		0.2456826763	
	254 255	4.243786e-02 4.243786e-02		0.2456826763	
πĦ	233	7.273/000-02	0.0031201240	0.2430020703	0.3400010243

##	256	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	257	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	258	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	259	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	260	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
	261	4.243786e-02		0.2456826763	0.3460018243
	262	4.243786e-02		0.2456826763	
	263	4.243786e-02		0.2456826763	
	264	4.243786e-02		0.2456826763	
	265	4.243786e-02		0.2456826763	
	266	4.243786e-02		0.2456826763	
	267	4.243786e-02		0.2456826763	
	268	4.243786e-02		0.2456826763	
	269	4.243786e-02		0.2456826763	
	270	4.243786e-02		0.2456826763	
	271	4.243786e-02		0.2456826763	
	272	4.243786e-02		0.2456826763	
	273	4.243786e-02		0.2456826763	
	274	4.243786e-02		0.2456826763	
	275	4.243786e-02		0.2456826763	
	276	4.243786e-02		0.2456826763	
	277	4.243786e-02		0.2456826763	
	278	4.243786e-02		0.2456826763	
	279	4.243786e-02		0.2456826763	
	280	4.243786e-02		0.2456826763	
	281	4.243786e-02		0.2456826763	
	282	4.243786e-02		0.2456826763	
	283	4.243786e-02		0.2456826763	
	284	4.243786e-02		0.2456826763	
	285	4.243786e-02			0.3460018243
	286	4.243786e-02		0.2456826763	
	287	4.243786e-02		0.2456826763	
	288	4.243786e-02		0.2456826763	
	289	4.243786e-02		0.2456826763	
	290	4.243786e-02		0.2456826763	
	291	4.243786e-02		0.2456826763	
	292	4.243786e-02		0.2456826763	
	293	4.243786e-02		0.2456826763	
	294	4.243786e-02		0.2456826763	
	295	4.243786e-02		0.2456826763	
	296	4.243786e-02		0.2456826763	
	297	4.243786e-02		0.2456826763	
	298	4.243786e-02		0.2456826763	
	299	4.243786e-02		0.2456826763	
	300	4.243786e-02		0.2456826763	
	301	4.243786e-02		0.2456826763	
	302	4.243786e-02		0.2456826763	
	303	4.243786e-02		0.2456826763	
	304	4.243786e-02		0.2456826763	
##	305	4.243786e-02	0.0031201248	0.2456826763	0.3460018243

	306	4.243786e-02			0.3460018243
##	307	4.243786e-02		0.2456826763	0.3460018243
	308	4.243786e-02		0.2456826763	
	309	4.243786e-02		0.2456826763	0.3460018243
##	310	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	311	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	312	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	313	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	314	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	315	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	316	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	317	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	318	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	319	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	320	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	321	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	322	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	323	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	324	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	325	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	326	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	327	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	328	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	329	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	330	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	331	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	332	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	333	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	334	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	335	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	336	4.243786e-02	0.0031201248	0.2456826763	0.3460018243
##	337	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	338	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	339	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	340	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	341	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	342	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	343	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	344	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	345	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	346	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	347	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	348	4.506847e-03	0.0010400416	0.0179549713	0.4080267559
##	349	7.804562e-02	0.0592823713	0.2069630531	0.2195196108
##	350	7.804562e-02	0.0592823713	0.2069630531	0.2195196108
##	351	7.804562e-02	0.0592823713	0.2069630531	0.2195196108
##	352	7.804562e-02	0.0592823713	0.2069630531	0.2195196108
##	353	7.804562e-02	0.0592823713	0.2069630531	0.2195196108
##	354	7.804562e-02	0.0592823713	0.2069630531	0.2195196108
##	355	7.804562e-02	0.0592823713	0.2069630531	0.2195196108

## 356	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 357	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 358	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 359	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 360	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 361	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 362	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 363	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 364	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 365	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 366	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 367	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 368	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 369	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 370	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 371	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 371	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 372	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 374	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 374	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 376	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 377	7.804562e-02 0.0592823713 7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 378	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 379	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 380	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 381	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 382	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 383	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 384	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 385	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 386	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 387	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 388	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 389	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 390	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 391	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 392	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 393	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 394	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 395	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 396	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 397	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 398	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 399	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 400	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 401	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 402	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 403	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 404	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 405	7.804562e-02 0.0592823713	0.2069630531 0.2195196108

## 406	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 407	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 408	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 409	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 410	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 411	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 412	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 413	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 414	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 415	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 416	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 417	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 418	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 419	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 420	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 421	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 422	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 423	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 424	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 425	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 426	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 427	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 428	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 429	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 430	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 431	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 432	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 433	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 434	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 435	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 436	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 437	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 438	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 439	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 440	7.804562e-02 0.0592823713 7.804562e-02 0.0592823713	0.2069630531 0.2195196108 0.2069630531 0.2195196108
## 441 ## 442	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 442	7.804562e-02 0.0592823713 7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 444	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 444	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 446	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 447	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 448	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 449	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 450	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 451	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 452	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 453	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 454	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 455	7.804562e-02 0.0592823713	0.2069630531 0.2195196108

##	456	7.804562e-02		0.2195196108
	457	7.804562e-02		0.2195196108
	458	7.804562e-02		0.2195196108
	459	7.804562e-02		0.2195196108
	460	7.804562e-02		0.2195196108
	461	7.804562e-02		0.2195196108
	462	7.804562e-02		0.2195196108
	463	7.804562e-02		0.2195196108
	464	7.804562e-02		0.2195196108
	465	7.804562e-02		0.2195196108
	466	7.804562e-02		0.2195196108
	467	7.804562e-02		0.2195196108
	468	7.804562e-02		0.2195196108
	469	7.804562e-02		0.2195196108
	470	7.804562e-02		0.2195196108
	471	7.804562e-02		0.2195196108
	472	7.804562e-02		0.2195196108
	473	7.804562e-02		0.2195196108
	474	7.804562e-02		0.2195196108
	475	7.804562e-02		0.2195196108
	476	7.804562e-02		0.2195196108
	477	7.804562e-02		0.2195196108
	478	7.804562e-02		0.2195196108
	479	7.804562e-02		0.2195196108
	480	7.804562e-02		0.2195196108
	481	7.804562e-02		0.2195196108
	482	7.804562e-02		0.2195196108
	483	7.804562e-02		0.2195196108
	484	7.804562e-02		0.2195196108
	485 486	7.804562e-02		0.2195196108
		7.804562e-02		0.2195196108
	487 488	7.804562e-02 7.804562e-02		0.2195196108 0.2195196108
	489	7.804562e-02		0.2195196108
	490	7.804562e-02		0.2195196108
	491	7.804562e-02	0.2069630531	
	492	7.804562e-02		0.2195196108
	493	7.804562e-02		0.2195196108
	494	7.804562e-02		0.2195196108
	495	7.804562e-02		0.2195196108
	496	7.804562e-02		0.2195196108
	497	7.804562e-02		0.2195196108
	498	7.804562e-02		0.2195196108
	499	7.804562e-02		0.2195196108
	500	7.804562e-02		0.2195196108
	501	7.804562e-02		0.2195196108
	502	7.804562e-02		0.2195196108
	503	7.804562e-02		0.2195196108
	504	7.804562e-02	0.2069630531	
	505	7.804562e-02		0.2195196108
	-		 	

## 506	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 507	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 508	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 509	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 510	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 511	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 512	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 513	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 514	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 515	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 516	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 517	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 518	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 519	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 520	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 521	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 521	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 523	7.804562e-02 0.0592823713 7.804562e-02 0.0592823713	
		0.2069630531 0.2195196108
## 524	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 525	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 526	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 527	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 528	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 529	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 530	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 531	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 532	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 533	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 534	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 535	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 536	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 537	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 538	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 539	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 540	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 541	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 542	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 543	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 544	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 545	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 546	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 547	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 548	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 549	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 550	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 551	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 552	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 553	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 554	7.804562e-02 0.0592823713	0.2069630531 0.2195196108
## 555	7.804562e-02 0.0592823713	0.2069630531 0.2195196108

	556	7.804562e-02		0.2069630531	
	557	1.228426e-02		0.0500423125	
	558	1.228426e-02		0.0500423125	
	559	1.228426e-02	0.0078003120	0.0500423125	
##	560	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
	561	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	562	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	563	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	564	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	565	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	566	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	567	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	568	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	569	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	570	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	571	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	572	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	573	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	574	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	575	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	576	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	577	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	578	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	579	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	580	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	581	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	582	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	583	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	584	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	585	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	586	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	587	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	588	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	589	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	590	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	591	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	592	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	593	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	594	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	595	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	596	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	597	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	598	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	599	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	600	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	601	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	602	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	603	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	604	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	605	1.228426e-02	0.0078003120	0.0500423125	0.3897841289

	606	1.228426e-02		0.0500423125	
	607	1.228426e-02		0.0500423125	
	608	1.228426e-02		0.0500423125	
	609	1.228426e-02		0.0500423125	
##	610	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	611	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	612	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	613	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
	614	1.228426e-02		0.0500423125	0.3897841289
##	615	1.228426e-02		0.0500423125	0.3897841289
##	616	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
	617	1.228426e-02		0.0500423125	
	618	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	619	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	620	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	621	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	622	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	623	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	624	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
	625	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	626	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	627	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	628	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
	629	1.228426e-02		0.0500423125	
	630	1.228426e-02		0.0500423125	
##	631	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
	632	1.228426e-02		0.0500423125	0.3897841289
	633	1.228426e-02		0.0500423125	
	634	1.228426e-02		0.0500423125	
	635	1.228426e-02		0.0500423125	
	636	1.228426e-02		0.0500423125	
	637	1.228426e-02		0.0500423125	
	638	1.228426e-02		0.0500423125	
	639	1.228426e-02		0.0500423125	
	640	1.228426e-02		0.0500423125	
	641	1.228426e-02		0.0500423125	
	642	1.228426e-02		0.0500423125	
	643	1.228426e-02		0.0500423125	
	644	1.228426e-02		0.0500423125	
	645	1.228426e-02		0.0500423125	
	646	1.228426e-02		0.0500423125	
	647	1.228426e-02		0.0500423125	
	648	1.228426e-02			0.3897841289
	649	1.228426e-02		0.0500423125	
	650	1.228426e-02		0.0500423125	
	651	1.228426e-02		0.0500423125	
	652	1.228426e-02		0.0500423125	
	653	1.228426e-02		0.0500423125	
	654	1.228426e-02		0.0500423125	
##	655	1.228426e-02	0.00/8003120	0.0500423125	0.3897841289

##	656	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	657	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	658	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	659	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	660	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	661	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	662	1.228426e-02	0.0078003120	0.0500423125	0.3897841289
##	663	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
##	664	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
##	665	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
##	666	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
##	667	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
##	668	1.993413e-03	0.0018200728	0.0022361423	0.4141076315
##	669	0.000000e+00	0.0000000000	0.0000000000	0.4153238066
##	670	0.000000e+00	0.0000000000	0.0000000000	0.4153238066
##	671	0.000000e+00	0.0000000000	0.0000000000	0.4153238066
##	672	0.000000e+00	0.0000000000	0.0000000000	0.4153238066
##	673	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
##	674	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
##	675	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
##	676	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
##	677	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
##	678	1.958745e-02	0.0176807072	0.0420741026	0.4104591061
##	679	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	680	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	681	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	682	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	683	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	684	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	685	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	686	6.448258e-04	0.000000000	0.0026463319	0.4141076315
##	687	6.448258e-04	0.000000000	0.0026463319	0.4141076315
##	688	6.448258e-04	0.000000000	0.0026463319	0.4141076315
##	689	6.448258e-04	0.000000000	0.0026463319	0.4141076315
##	690	6.448258e-04	0.000000000	0.0026463319	0.4141076315
##	691	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	692	6.448258e-04		0.0026463319	
##	693	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	694	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	695	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	696	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
	697	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	698	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	699	6.448258e-04	0.0000000000	0.0026463319	
##	700	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
##	701	6.448258e-04	0.000000000	0.0026463319	0.4141076315
##	702	6.448258e-04	0.000000000	0.0026463319	0.4141076315
##	703	6.448258e-04	0.0000000000	0.0026463319	0.4141076315
	704	1.508060e-02		0.0000000000	
##	705	3.613704e-04	0.0000000000	0.0013416659	0.4144116753

```
## 706
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 707
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 708
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 709
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 710
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 711
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 712
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 713
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 714
                 3.613704e-04 0.0000000000
                                                  0.0013416659 0.4144116753
## 715
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 716
                 3.613704e-04 0.0000000000
                                                  0.0013416659 0.4144116753
## 717
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 718
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 719
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 720
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 721
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 722
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 723
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 724
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 725
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 726
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 727
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
                 3.613704e-04 0.0000000000
                                                  0.0013416659 0.4144116753
## 728
## 729
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 730
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 731
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
                 3.613704e-04 0.00000000000
## 732
                                                  0.0013416659 0.4144116753
                 3.613704e-04 0.0000000000
## 733
                                                  0.0013416659 0.4144116753
## 734
                 3.613704e-04 0.0000000000
                                                  0.0013416659 0.4144116753
## 735
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 736
## 737
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 738
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 739
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 740
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 741
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
                 3.613704e-04 0.0000000000
                                                  0.0013416659 0.4144116753
## 742
## 743
                 3.613704e-04 0.0000000000
                                                  0.0013416659 0.4144116753
                 3.613704e-04 0.00000000000
## 744
                                                  0.0013416659 0.4144116753
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 745
## 746
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 747
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 748
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 749
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 750
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 751
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 752
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 753
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 754
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 755
                 3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
```

```
## 756
                3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 757
                3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 758
                3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 759
                3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 760
                3.613704e-04 0.0000000000
                                                  0.0013416659 0.4144116753
## 761
                3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 762
                3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 763
                3.613704e-04 0.00000000000
                                                  0.0013416659 0.4144116753
## 764
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 765
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 766
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 767
## 768
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 769
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 770
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 771
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 772
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 773
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 774
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 775
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 776
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 777
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 778
## 779
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 780
                1.577192e-01 0.1154446178
                                                  0.2827471704 0.3104287017
## 781
                1.153146e-01 0.1107644306
                                                  0.2519501365 0.4089388872
## 782
                1.153146e-01 0.1107644306
                                                  0.2519501365 0.4089388872
                1.153146e-01 0.1107644306
                                                  0.2519501365 0.4089388872
## 783
                1.153146e-01 0.1107644306
                                                  0.2519501365 0.4089388872
## 784
## 785
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 786
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 787
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 788
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 789
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
                4.650362e-02 0.0397815913
## 790
                                                  0.1048974442 0.3730617209
## 791
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
                                                  0.1048974442 0.3730617209
## 792
                4.650362e-02 0.0397815913
## 793
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 794
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 795
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 796
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 797
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 798
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 799
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 800
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 801
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 802
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
                4.650362e-02 0.0397815913
## 803
                                                  0.1048974442 0.3730617209
## 804
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
## 805
                4.650362e-02 0.0397815913
                                                  0.1048974442 0.3730617209
```

## 806	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 807	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 808	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 809	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 810	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 811	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 812	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 813	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 814	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 815	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 816	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 817	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 818	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 819	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 820	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 821	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 822	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 823	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 824	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 825	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 826	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 827	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 828	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 829	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 830	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 831	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 832	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 833	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 834	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 835	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 836	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 837	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 838	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 839	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 840	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 841	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 842	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 843	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 844	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 845	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 846	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 847	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 848	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 849	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 850	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 851 ## 853	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 852	4.650362e-02 0.0397815913	0.1048974442 0.3730617209
## 853 ## 854	6.412287e-04 0.0000000000	0.0029332666 0.4134995439
## 854 ## 855	6.412287e-04 0.00000000000 6.412287e-04 0.0000000000	0.0029332666 0.4134995439 0.0029332666 0.4134995439
π# OJ3	0.41220/6-04 0.00000000000	0.0023332000 0.4134333433

	856	6.412287e-04		0.0029332666	
	857	6.412287e-04		0.0029332666	
	858	6.412287e-04		0.0029332666	
	859	6.412287e-04		0.0029332666	
##	860	6.412287e-04	0.0000000000	0.0029332666	
	861	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	862	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	863	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	864	6.412287e-04	0.0000000000	0.0029332666	
	865	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	866	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
	867	6.412287e-04		0.0029332666	
	868	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	869	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	870	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	871	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	872	6.412287e-04		0.0029332666	
##	873	6.412287e-04	0.0000000000	0.0029332666	
	874	6.412287e-04		0.0029332666	
	875	6.412287e-04		0.0029332666	
	876	6.412287e-04		0.0029332666	
	877	6.412287e-04		0.0029332666	
	878	6.412287e-04		0.0029332666	
	879	6.412287e-04		0.0029332666	
	880	6.412287e-04		0.0029332666	
	881	6.412287e-04		0.0029332666	
	882	6.412287e-04		0.0029332666	
	883	6.412287e-04		0.0029332666	
	884	6.412287e-04		0.0029332666	
	885	6.412287e-04		0.0029332666	
	886	6.412287e-04		0.0029332666	
	887	6.412287e-04		0.0029332666	
	888	6.412287e-04		0.0029332666	
	889	6.412287e-04		0.0029332666	
	890	6.412287e-04		0.0029332666	
	891	6.412287e-04		0.0029332666	
	892	6.412287e-04		0.0029332666	
	893	6.412287e-04		0.0029332666	
	894	6.412287e-04		0.0029332666	
	895	6.412287e-04		0.0029332666	
	896	6.412287e-04		0.0029332666	
	897	6.412287e-04		0.0029332666	
	898	6.412287e-04		0.0029332666	
	899	6.412287e-04		0.0029332666	
	900	6.412287e-04		0.0029332666	
	901	6.412287e-04		0.0029332666	
	902	6.412287e-04		0.0029332666	
	903	6.412287e-04		0.0029332666	
	904	6.412287e-04		0.0029332666	
##	905	6.412287e-04	טטטטטטטטטטט	0.0029332666	0.4134995439

	906	6.412287e-04		0.0029332666	
	907	6.412287e-04		0.0029332666	
	908	6.412287e-04		0.0029332666	
	909	6.412287e-04		0.0029332666	
##	910	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
	911	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
	912	6.412287e-04	0.0000000000	0.0029332666	
##	913	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	914	6.412287e-04	0.0000000000	0.0029332666	
##	915	6.412287e-04		0.0029332666	0.4134995439
##	916	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
	917	6.412287e-04		0.0029332666	
	918	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	919	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	920	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	921	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	922	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	923	6.412287e-04	0.000000000	0.0029332666	0.4134995439
##	924	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	925	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	926	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	927	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	928	6.412287e-04	0.000000000	0.0029332666	0.4134995439
##	929	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	930	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	931	6.412287e-04		0.0029332666	0.4134995439
	932	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	933	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	934	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
	935	6.412287e-04		0.0029332666	0.4134995439
##	936	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	937	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
	938	6.412287e-04		0.0029332666	0.4134995439
	939	6.412287e-04		0.0029332666	
##	940	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	941	6.412287e-04	0.0000000000	0.0029332666	
##	942	6.412287e-04	0.0000000000		0.4134995439
##	943	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	944	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
	945	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	946	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	947	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
	948	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	949	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	950	6.412287e-04	0.000000000	0.0029332666	0.4134995439
	951	6.412287e-04		0.0029332666	
##	952	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
	953	6.412287e-04		0.0029332666	
	954	6.412287e-04	0.0000000000	0.0029332666	
##	955	6.412287e-04	0.0000000000	0.0029332666	0.4134995439

	956	6.412287e-04			0.4134995439
	957	6.412287e-04		0.0029332666	
	958	6.412287e-04		0.0029332666	
	959	6.412287e-04		0.0029332666	
##	960	6.412287e-04	0.000000000	0.0029332666	0.4134995439
	961	6.412287e-04		0.0029332666	0.4134995439
	962	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	963	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	964	6.412287e-04		0.0029332666	0.4134995439
##	965	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	966	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
	967	6.412287e-04		0.0029332666	
	968	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	969	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	970	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	971	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	972	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	973	6.412287e-04	0.000000000	0.0029332666	0.4134995439
##	974	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	975	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	976	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	977	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	978	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	979	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	980	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	981	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	982	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	983	6.412287e-04	0.000000000	0.0029332666	0.4134995439
##	984	6.412287e-04	0.000000000	0.0029332666	0.4134995439
##	985	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	986	3.384983e-02		0.1480118284	
##	987	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
	988	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
	989	3.384983e-02		0.1480118284	
##	990	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
##	991	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
##	992	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
##	993	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
##	994	3.384983e-02		0.1480118284	0.3645484950
##	995	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
##	996	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
##	997	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
##	998	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
	999	3.384983e-02			0.3645484950
	1000	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
	1001	3.384983e-02			0.3645484950
##	1002	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
	1003	3.384983e-02		0.1480118284	
	1004	3.384983e-02		0.1480118284	
##	1005	3.384983e-02	0.0210608424	0.1480118284	0.3645484950

##	1006	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
##	1007	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
##	1008	3.384983e-02	0.0210608424	0.1480118284	0.3645484950
	1009	3.384983e-02	0.0210608424	0.1480118284	
	1010	3.384983e-02		0.1480118284	
##	1011	3.384983e-02		0.1480118284	0.3645484950
	1012	3.384983e-02		0.1480118284	
	1013	3.384983e-02		0.1480118284	
	1014	3.384983e-02		0.1480118284	
	1015	3.384983e-02		0.1480118284	
	1016	3.384983e-02		0.1480118284	
	1017	3.384983e-02		0.1480118284	
	1018	3.384983e-02			0.3645484950
	1019	3.384983e-02		0.1480118284	
	1020	3.384983e-02		0.1480118284	
	1021	3.384983e-02		0.1480118284	
	1022	3.384983e-02		0.1480118284	
	1023	3.384983e-02		0.1480118284	
	1024	3.384983e-02		0.1480118284	
	1025	3.384983e-02			0.3645484950
	1026	3.384983e-02		0.1480118284	
	1027	3.384983e-02		0.1480118284	
	1028	3.384983e-02		0.1480118284	
	1029	3.384983e-02		0.1480118284	
	1030	3.384983e-02		0.1480118284	
	1031	3.384983e-02		0.1480118284	
	1032	3.384983e-02			0.3645484950
	1033	3.384983e-02		0.1480118284	
	1034	3.384983e-02		0.1480118284	
	1035	3.384983e-02		0.1480118284	
	1036	3.384983e-02		0.1480118284	
	1037	3.384983e-02		0.1480118284	
	1038	3.384983e-02		0.1480118284	
	1039	3.384983e-02			0.3645484950
	1040	3.384983e-02		0.1480118284	
	1041	3.384983e-02		0.1480118284	
	1042	3.384983e-02			0.3645484950
	1043	3.384983e-02		0.1480118284	
	1044	3.384983e-02			0.3645484950
	1045	3.384983e-02		0.1480118284	
	1046	3.384983e-02			0.3645484950
	1047	3.384983e-02		0.1480118284	
	1048	3.384983e-02		0.1480118284	
	1049	3.384983e-02			0.3645484950
	1050	3.384983e-02		0.1480118284	
	1051	3.384983e-02			0.3645484950
	1052	3.384983e-02			0.3645484950
	1053	3.384983e-02			0.3645484950
	1054	3.384983e-02			0.3645484950
##	1055	3.384983e-02	0.0210608424	0.1480118284	0.3645484950

```
## 1056
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1057
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1058
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
                                                 0.1480118284 0.3645484950
## 1059
                3.384983e-02 0.0210608424
## 1060
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1061
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1062
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1063
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1064
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1065
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1066
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
                                                 0.1480118284 0.3645484950
## 1067
                3.384983e-02 0.0210608424
## 1068
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1069
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1070
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1071
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1072
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1073
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1074
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1075
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1076
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1077
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1078
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1079
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1080
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1081
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1082
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1083
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1084
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1085
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1086
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
                3.384983e-02 0.0210608424
## 1087
                                                 0.1480118284 0.3645484950
## 1088
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1089
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1090
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1091
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
                3.384983e-02 0.0210608424
## 1092
                                                 0.1480118284 0.3645484950
## 1093
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1094
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
                3.384983e-02 0.0210608424
## 1095
                                                 0.1480118284 0.3645484950
## 1096
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1097
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1098
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1099
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1100
## 1101
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1102
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1103
                3.384983e-02 0.0210608424
                                                 0.1480118284 0.3645484950
## 1104
                4.215364e-03 0.0026001040
                                                 0.0166394382 0.4025539678
## 1105
                4.215364e-03 0.0026001040
                                                 0.0166394382 0.4025539678
```

##	1106	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
##	1107	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
##	1108	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
	1109	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
##	1110	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
	1111	4.215364e-03		0.0166394382	
	1112	4.215364e-03		0.0166394382	
	1113	4.215364e-03		0.0166394382	
	1114	4.215364e-03		0.0166394382	
	1115	4.215364e-03		0.0166394382	
	1116	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
	1117	4.215364e-03		0.0166394382	
	1118	4.215364e-03		0.0166394382	
##	1119	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
##	1120	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
	1121	4.215364e-03		0.0166394382	
##	1122	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
##	1123	4.215364e-03		0.0166394382	0.4025539678
##	1124	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
	1125	4.215364e-03		0.0166394382	
	1126	4.215364e-03		0.0166394382	
	1127	4.215364e-03		0.0166394382	
	1128	4.215364e-03		0.0166394382	
	1129	4.215364e-03		0.0166394382	
	1130	4.215364e-03		0.0166394382	
##	1131	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
	1132	4.215364e-03		0.0166394382	
	1133	4.215364e-03		0.0166394382	
	1134	4.215364e-03		0.0166394382	
	1135	4.215364e-03		0.0166394382	
	1136	4.215364e-03		0.0166394382	
	1137	4.215364e-03		0.0166394382	
	1138	4.215364e-03		0.0166394382	
	1139	4.215364e-03		0.0166394382	
	1140	4.215364e-03		0.0166394382	
	1141	4.215364e-03		0.0166394382	
	1142	4.215364e-03		0.0166394382	
	1143	4.215364e-03		0.0166394382	
	1144	4.215364e-03		0.0166394382	
	1145	4.215364e-03		0.0166394382	
	1146	4.215364e-03		0.0166394382	
	1147	4.215364e-03		0.0166394382	
	1148	4.215364e-03		0.0166394382	
##	1149	4.215364e-03		0.0166394382	
##	1150	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
	1151	4.215364e-03		0.0166394382	
	1152	4.215364e-03		0.0166394382	
	1153	4.215364e-03		0.0166394382	
	1154	4.215364e-03		0.0166394382	
##	1155	4.215364e-03	0.0026001040	0.0166394382	0.4025539678

##	1156	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
##	1157	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
##	1158	4.215364e-03	0.0026001040	0.0166394382	0.4025539678
	1159	4.215364e-03		0.0166394382	0.4025539678
	1160	4.215364e-03		0.0166394382	
	1161	4.215364e-03		0.0166394382	
	1162	4.215364e-03		0.0166394382	
	1163	4.215364e-03		0.0166394382	
	1164	4.215364e-03		0.0166394382	
	1165	4.215364e-03		0.0166394382	
	1166	4.215364e-03		0.0166394382	
	1167	4.215364e-03		0.0166394382	
	1168	4.215364e-03		0.0166394382	
	1169	4.215364e-03		0.0166394382	
	1170	4.215364e-03		0.0166394382	
	1171	4.215364e-03		0.0166394382	
	1172	4.215364e-03		0.0166394382	
	1173	4.215364e-03		0.0166394382	
	1174	4.215364e-03		0.0166394382	
	1175	4.215364e-03		0.0166394382	
	1176	4.215364e-03		0.0166394382	
	1177	4.215364e-03		0.0166394382	
	1178	4.215364e-03		0.0166394382	
	1179	4.215364e-03		0.0166394382	
	1180	4.215364e-03		0.0166394382	
	1181	4.215364e-03		0.0166394382	
	1182	4.215364e-03		0.0166394382	
	1183	4.215364e-03		0.0166394382	
	1184	4.215364e-03		0.0166394382	
	1185	4.215364e-03		0.0166394382	
	1186	4.215364e-03		0.0166394382	
	1187	4.215364e-03		0.0166394382	
	1188	4.215364e-03		0.0166394382	
	1189	4.215364e-03		0.0166394382	
	1190	4.215364e-03		0.0166394382	
	1191	4.215364e-03		0.0166394382	
	1192	4.215364e-03		0.0166394382	
	1193	4.215364e-03		0.0166394382	
	1194	4.215364e-03		0.0166394382	
	1195	4.215364e-03		0.0166394382	
	1196	4.215364e-03		0.0166394382	
	1197	4.215364e-03		0.0166394382	
	1198	4.215364e-03		0.0166394382	
	1199	4.215364e-03		0.0166394382	
	1200	4.215364e-03		0.0166394382	
	1201	4.215364e-03		0.0166394382	
	1202	4.215364e-03		0.0166394382	
	1203	4.215364e-03		0.0166394382	
	1204	4.215364e-03		0.0166394382	
##	1205	4.215364e-03	0.0026001040	0.0166394382	0.40255396/8

1206	4.215364e-03		0.0166394382	
1207	4.215364e-03		0.0166394382	
1208	4.215364e-03			0.4025539678
1209	4.215364e-03		0.0166394382	
1210	4.215364e-03		0.0166394382	
1211	4.215364e-03		0.0166394382	
1212	4.215364e-03		0.0166394382	
1213	4.215364e-03		0.0166394382	
1214	4.215364e-03		0.0166394382	
1215	4.215364e-03			0.4025539678
1216	4.215364e-03		0.0166394382	
1217	4.215364e-03		0.0166394382	
1218	4.215364e-03		0.0166394382	
1219	4.215364e-03		0.0166394382	
1220	4.215364e-03		0.0166394382	
1221	4.215364e-03		0.0166394382	
1222	4.215364e-03			0.4025539678
1223	4.215364e-03		0.0166394382	
1224	4.215364e-03		0.0166394382	
1225	4.215364e-03		0.0166394382	
1226	4.215364e-03		0.0166394382	
1227	4.215364e-03		0.0166394382	
1228	4.215364e-03		0.0166394382	
1229	4.215364e-03		0.0166394382	
1230	4.215364e-03		0.0166394382	
1231	4.215364e-03		0.0166394382	
1232	4.215364e-03		0.0166394382	
1233	4.215364e-03		0.0166394382	
1234	4.215364e-03		0.0166394382	
1235 1236	4.215364e-03		0.0166394382	
1237	4.215364e-03 4.215364e-03		0.01663943820.0166394382	
1238	4.215364e-03		0.0166394382	
1239	4.215364e-03		0.0166394382	
1240	4.215364e-03		0.0166394382	
1240	4.215364e-03		0.0166394382	
1242	4.215364e-03		0.0166394382	
1243	4.215364e-03			0.4025539678
1243	4.215364e-03		0.0166394382	
1245	4.215364e-03		0.0166394382	
1246	4.215364e-03		0.0166394382	
1247	4.215364e-03		0.0166394382	
1248	4.215364e-03		0.0166394382	
1249	4.215364e-03		0.0166394382	
1250	4.215364e-03		0.0166394382	
1251	4.215364e-03		0.0166394382	
1252	4.215364e-03		0.0166394382	
1253	4.215364e-03			0.4025539678
1254	4.215364e-03		0.0166394382	
1255	4.215364e-03		0.0166394382	
 		0.00200010	5.0100007-JUZ	0023333070

1256	4.215364e-03	0.0166394382	
1257	4.215364e-03	0.0166394382	
1258	4.215364e-03	0.0166394382	
1259	4.215364e-03	0.0166394382	
1260	4.215364e-03		0.4025539678
1261	4.215364e-03	0.0166394382	
1262	4.215364e-03	0.0166394382	
1263	4.215364e-03	0.0166394382	
1264	4.215364e-03	0.0166394382	
1265	4.215364e-03	0.0166394382	
1266	4.215364e-03	0.0166394382	
1267	4.215364e-03	0.0166394382	
1268	4.215364e-03	0.0166394382	
1269	4.215364e-03	0.0166394382	
1270	4.215364e-03	0.0166394382	
1271	4.215364e-03	0.0166394382	
1272	4.215364e-03	0.0166394382	
1273	4.215364e-03	0.0166394382	
1274	4.215364e-03	0.0166394382	
1275	4.215364e-03	0.0166394382	
1276	4.215364e-03	0.0166394382	
1277	4.215364e-03	0.0166394382	
1278	4.215364e-03	0.0166394382	
1279	4.215364e-03	0.0166394382	
1280	4.215364e-03	0.0166394382	
1281	4.215364e-03	0.0166394382	
1282	4.215364e-03	0.0166394382	
1283	3.553971e-02	0.1142576913	
1284	3.553971e-02	0.1142576913	
1285 1286	3.553971e-02 3.553971e-02	0.11425769130.1142576913	
1287	3.553971e-02 3.553971e-02	0.1142576913	
1288	3.553971e-02 3.553971e-02	0.1142576913	
1289	3.553971e-02 3.553971e-02	0.1142576913	
1290	3.553971e-02	0.1142576913	
1291	3.553971e-02		0.3748859836
1292	3.553971e-02	0.1142576913	
1293	3.553971e-02	0.1142576913	
1294	3.553971e 02 3.553971e-02	0.1142576913	
1295	3.553971e 02 3.553971e-02	0.1142576913	
1296	3.553971e 02 3.553971e-02	0.1142576913	
1297	3.553971e-02	0.1142576913	
1298	3.553971e-02		0.3748859836
1299	3.553971e 02 3.553971e-02	0.1142576913	
1300	3.553971e-02	0.1142576913	
1301	3.553971e 02	0.1142576913	
1302	3.553971e 02	0.1142576913	
1303	3.553971e-02	0.1142576913	
1304	3.553971e-02	0.1142576913	
1305	3.553971e-02		0.3748859836

	1306	3.553971e-02		0.1142576913	
##	1307	3.553971e-02	0.0156006240	0.1142576913	
	1308	3.553971e-02		0.1142576913	
	1309	3.553971e-02		0.1142576913	
	1310	3.553971e-02		0.1142576913	
	1311	3.553971e-02		0.1142576913	
	1312	3.553971e-02		0.1142576913	
	1313	3.553971e-02		0.1142576913	
	1314	3.553971e-02		0.1142576913	
	1315	3.553971e-02		0.1142576913	
	1316	3.553971e-02		0.1142576913	
	1317	3.553971e-02		0.1142576913	
	1318	1.070148e-02		0.0215996331	
	1319	1.070148e-02		0.0215996331	
	1320	1.070148e-02		0.0215996331	
	1321	1.070148e-02		0.0215996331	
	1322	1.070148e-02		0.0215996331	
	1323	1.070148e-02		0.0215996331	
	1324	1.070148e-02		0.0215996331	
	1325	1.070148e-02		0.0215996331	
	1326	1.070148e-02		0.0215996331	
	1327	1.070148e-02		0.0215996331	
	1328	1.070148e-02		0.0215996331	
	1329	1.070148e-02		0.0215996331	
	1330	1.070148e-02		0.0215996331	
	1331	1.070148e-02		0.0215996331	
	1332	1.070148e-02		0.0215996331	
	1333	1.070148e-02		0.0215996331	
	1334	1.070148e-02		0.0215996331	
	1335	1.070148e-02		0.0215996331	
	1336	1.070148e-02		0.0215996331	
	1337	2.912116e-02		0.0530065024	
	1338	2.912116e-02 2.912116e-02		0.0530065024	
	1339			0.0530065024	
	1340 1341	2.912116e-02 2.912116e-02		<pre>0.0530065024 0.0530065024</pre>	
	1342	2.912116e-02 2.912116e-02		0.0530065024	
	1343	2.912116e-02 2.912116e-02		0.0530065024	
	1344	2.912116e-02 2.912116e-02		0.0530065024	
	1345	2.912116e-02 2.912116e-02		0.0530065024	
	1346	2.912116e-02 2.912116e-02		0.0530065024	
	1347	2.912116e-02 2.912116e-02		0.0530065024	
	1348	2.912116e-02		0.0530065024	
	1349	2.912116e-02 2.912116e-02		0.0530065024	
	1350	2.912116e 02 2.912116e-02		0.0530065024	
	1351	2.912116c 02 2.912116e-02		0.0530065024	
	1352	2.912116c 02 2.912116e-02		0.0530065024	
	1353	2.912116e 02 2.912116e-02		0.0530065024	
	1354	2.912116e-02		0.0530065024	
	1355	2.912116e-02		0.0530065024	
			- · · · · · · · - · · · ·		

```
## 1356
                2.912116e-02 0.0254810192
                                                  0.0530065024 0.3685010642
## 1357
                2.912116e-02 0.0254810192
                                                  0.0530065024 0.3685010642
## 1358
                4.457321e-04 0.00000000000
                                                  0.0031736028 0.4141076315
## 1359
                                                  0.0031736028 0.4141076315
                4.457321e-04 0.00000000000
## 1360
                4.457321e-04 0.00000000000
                                                  0.0031736028 0.4141076315
## 1361
                4.457321e-04 0.00000000000
                                                  0.0031736028 0.4141076315
                4.457321e-04 0.00000000000
## 1362
                                                 0.0031736028 0.4141076315
## 1363
                4.457321e-04 0.00000000000
                                                 0.0031736028 0.4141076315
## 1364
                4.457321e-04 0.00000000000
                                                  0.0031736028 0.4141076315
## 1365
                4.457321e-04 0.00000000000
                                                  0.0031736028 0.4141076315
## 1366
                4.457321e-04 0.00000000000
                                                  0.0031736028 0.4141076315
                4.457321e-04 0.00000000000
## 1367
                                                  0.0031736028 0.4141076315
## 1368
                4.457321e-04 0.00000000000
                                                 0.0031736028 0.4141076315
## 1369
                4.457321e-04 0.00000000000
                                                  0.0031736028 0.4141076315
## 1370
                4.457321e-04 0.00000000000
                                                 0.0031736028 0.4141076315
## 1371
                4.457321e-04 0.00000000000
                                                 0.0031736028 0.4141076315
## 1372
                2.152019e-01 0.1669266771
                                                  0.4452596601 0.3931286105
                2.152019e-01 0.1669266771
## 1373
                                                  0.4452596601 0.3931286105
## 1374
                2.152019e-01 0.1669266771
                                                  0.4452596601 0.3931286105
## 1375
                2.152019e-01 0.1669266771
                                                 0.4452596601 0.3931286105
## 1376
                2.152019e-01 0.1669266771
                                                 0.4452596601 0.3931286105
## 1377
                2.152019e-01 0.1669266771
                                                 0.4452596601 0.3931286105
                                                  0.0037233559 0.4131955002
## 1378
                1.049497e-03 0.0005200208
## 1379
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
## 1380
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
## 1381
                1.049497e-03 0.0005200208
                                                  0.0037233559 0.4131955002
## 1382
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
                                                  0.0037233559 0.4131955002
## 1383
                1.049497e-03 0.0005200208
## 1384
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
## 1385
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
                                                 0.0037233559 0.4131955002
## 1386
                1.049497e-03 0.0005200208
                1.049497e-03 0.0005200208
## 1387
                                                 0.0037233559 0.4131955002
## 1388
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
## 1389
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
## 1390
                1.049497e-03 0.0005200208
                                                  0.0037233559 0.4131955002
## 1391
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
                1.049497e-03 0.0005200208
                                                  0.0037233559 0.4131955002
## 1392
## 1393
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
## 1394
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
                                                 0.0037233559 0.4131955002
## 1395
                1.049497e-03 0.0005200208
## 1396
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
## 1397
                1.049497e-03 0.0005200208
                                                  0.0037233559 0.4131955002
## 1398
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
                1.049497e-03 0.0005200208
## 1399
                                                  0.0037233559 0.4131955002
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
## 1400
## 1401
                1.049497e-03 0.0005200208
                                                  0.0037233559 0.4131955002
## 1402
                1.049497e-03 0.0005200208
                                                  0.0037233559 0.4131955002
## 1403
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
## 1404
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
## 1405
                1.049497e-03 0.0005200208
                                                 0.0037233559 0.4131955002
```

##	1406	1.049497e-03	0.0005200208	0.0037233559	0.4131955002
##	1407	1.049497e-03	0.0005200208	0.0037233559	0.4131955002
##	1408	1.049497e-03	0.0005200208	0.0037233559	0.4131955002
	1409	1.049497e-03		0.0037233559	
	1410	1.049497e-03		0.0037233559	
	1411	1.049497e-03		0.0037233559	
	1412	1.049497e-03		0.0037233559	
	1413	1.049497e-03		0.0037233559	
	1414	1.049497e-03		0.0037233559	
	1415	1.049497e-03		0.0037233559	
	1416	1.049497e-03		0.0037233559	
	1417	1.049497e-03		0.0037233559	
	1418	1.049497e-03		0.0037233559	
	1419	1.049497e-03		0.0037233559	
	1420	1.049497e-03		0.0037233559	
	1421	1.049497e-03		0.0037233559	
	1422	1.049497e-03		0.0037233559	
	1423	1.049497e-03		0.0037233559	
	1424	1.049497e-03		0.0037233559	
	1425	1.049497e-03		0.0037233559	
	1426	1.049497e-03		0.0037233559	
	1427	1.049497e-03		0.0037233559	
	1428	1.049497e-03		0.0037233559	
	1429	1.049497e-03		0.0037233559	
	1430	1.049497e-03		0.0037233559	
	1431	1.049497e-03		0.0037233559	
	1432	1.049497e-03		0.0037233559	
	1433	2.072673e-01		0.5467643308	
	1434	2.072673e-01		0.5467643308	
	1435	2.072673e-01		0.5467643308	
	1436	2.072673e-01		0.5467643308	
	1437	2.072673e-01		0.5467643308	
	1438	2.072673e-01		0.5467643308	
	1439	2.072673e-01		0.5467643308	
	1440	2.072673e-01		0.5467643308	
	1441	2.072673e-01		0.5467643308	
	1442	2.072673e-01		0.5467643308	
	1443	2.072673e-01		0.5467643308	
	1444	2.072673e-01		0.5467643308	
	1445	2.072673e-01		0.5467643308	
	1446	2.072673e-01		0.5467643308	
	1447	2.072673e-01		0.5467643308	
	1448	2.072673e-01		0.5467643308	
	1449	2.072673e-01		0.5467643308	
	1450	2.072673e-01		0.5467643308	
	1451	2.072673e-01		0.5467643308	
	1452	2.072673e-01		0.5467643308	
	1453	2.072673e-01		0.5467643308	
	1454	2.072673e-01		0.5467643308	
##	1455	2.072673e-01	U.1/654/0619	0.5467643308	0.1389480085

```
## 1456
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1457
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1458
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1459
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1460
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1461
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
                2.072673e-01 0.1765470619
## 1462
                                                 0.5467643308 0.1389480085
## 1463
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1464
                                                 0.5467643308 0.1389480085
                2.072673e-01 0.1765470619
## 1465
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1466
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1467
                                                 0.5467643308 0.1389480085
                2.072673e-01 0.1765470619
## 1468
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1469
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1470
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1471
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1472
                2.072673e-01 0.1765470619
                                                 0.5467643308 0.1389480085
## 1473
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
                                                 0.1579098861 0.3171176649
## 1474
                1.080420e-01 0.1003640146
## 1475
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1476
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
                                                 0.1579098861 0.3171176649
## 1477
                1.080420e-01 0.1003640146
## 1478
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1479
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1480
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1481
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1482
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1483
## 1484
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1485
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1486
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1487
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1488
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1489
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
                                                 0.1579098861 0.3171176649
## 1490
                1.080420e-01 0.1003640146
## 1491
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1492
## 1493
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1494
                                                 0.1579098861 0.3171176649
                1.080420e-01 0.1003640146
## 1495
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1496
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1497
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1498
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1499
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
                                                 0.1579098861 0.3171176649
## 1500
                1.080420e-01 0.1003640146
## 1501
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1502
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
                                                 0.1579098861 0.3171176649
## 1503
                1.080420e-01 0.1003640146
## 1504
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1505
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
```

```
## 1506
                1.080420e-01 0.1003640146
                                                 0.1579098861 0.3171176649
## 1507
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1508
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1509
## 1510
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1511
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1512
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1513
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                                                 0.3480871611 0.1267862572
## 1514
                1.335153e-01 0.1066042642
## 1515
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1516
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1517
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1518
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1519
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1520
## 1521
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1522
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1523
## 1524
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1525
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
## 1526
                                                 0.3480871611 0.1267862572
## 1527
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1528
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1529
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1530
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1531
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1532
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                                                 0.3480871611 0.1267862572
## 1533
                1.335153e-01 0.1066042642
## 1534
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1535
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1536
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1537
## 1538
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1539
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1540
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1541
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1542
## 1543
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1544
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1545
## 1546
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1547
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1548
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                                                 0.3480871611 0.1267862572
## 1549
                1.335153e-01 0.1066042642
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1550
                                                 0.3480871611 0.1267862572
## 1551
                1.335153e-01 0.1066042642
## 1552
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1553
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1554
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1555
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
```

```
1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1556
## 1557
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1558
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1559
## 1560
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1561
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1562
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1563
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                                                 0.3480871611 0.1267862572
## 1564
                1.335153e-01 0.1066042642
## 1565
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1566
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1567
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
## 1568
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1569
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1570
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1571
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1572
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1573
## 1574
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1575
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                1.335153e-01 0.1066042642
## 1576
                                                 0.3480871611 0.1267862572
## 1577
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1578
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1579
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1580
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
## 1581
                1.335153e-01 0.1066042642
                                                 0.3480871611 0.1267862572
                                                 0.3480871611 0.1267862572
## 1582
                1.335153e-01 0.1066042642
                                                 0.0573811837 0.3703253268
## 1583
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1584
                1.320657e-02 0.0052002080
## 1585
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1586
                1.320657e-02 0.0052002080
## 1587
                                                 0.0573811837 0.3703253268
## 1588
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1589
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1590
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1591
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1592
## 1593
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1594
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
                1.320657e-02 0.0052002080
## 1595
                                                 0.0573811837 0.3703253268
## 1596
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1597
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1598
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1599
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1600
## 1601
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1602
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
                1.320657e-02 0.0052002080
## 1603
                                                 0.0573811837 0.3703253268
## 1604
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
## 1605
                1.320657e-02 0.0052002080
                                                 0.0573811837 0.3703253268
```

##	1606	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1607	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1608	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1609	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1610	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1611	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1612	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1613	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1614	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1615	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1616	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1617	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1618	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1619	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1620	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1621	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1622	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1623	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1624	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1625	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1626	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1627	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1628	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1629	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1630	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1631	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1632	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
##	1633	1.320657e-02	0.0052002080	0.0573811837	0.3703253268
	1634	1.320657e-02		0.0573811837	
	1635	1.320657e-02		0.0573811837	
	1636	8.039240e-04		0.0051795815	
	1637	8.039240e-04			0.4116752812
	1638	8.039240e-04		0.0051795815	
	1639	8.039240e-04		0.0051795815	
	1640	8.039240e-04		0.0051795815	
	1641	8.039240e-04		0.0051795815	
	1642	8.039240e-04		0.0051795815	
	1643	8.039240e-04		0.0051795815	
	1644	8.039240e-04		0.0051795815	
	1645	8.039240e-04		0.0051795815	
	1646	8.039240e-04		0.0051795815	
	1647	8.039240e-04			0.4116752812
	1648	8.039240e-04		0.0051795815	
	1649	8.039240e-04		0.0051795815	
	1650	8.039240e-04		0.0051795815	
	1651	8.039240e-04			0.4116752812
	1652	8.039240e-04		0.0051795815	
	1653	8.039240e-04			0.4116752812
	1654	8.039240e-04			0.4116752812
##	1655	8.039240e-04	0.0000000000	0.0051/95815	0.4116752812

```
## 1656
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1657
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1658
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1659
## 1660
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1661
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1662
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1663
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1664
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1665
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1666
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1667
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1668
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1669
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1670
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1671
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1672
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1673
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1674
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1675
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1676
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1677
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                                                  0.0051795815 0.4116752812
## 1678
                8.039240e-04 0.00000000000
## 1679
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1680
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1681
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1682
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1683
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                                                  0.0051795815 0.4116752812
## 1684
                8.039240e-04 0.0000000000
## 1685
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                                                  0.0051795815 0.4116752812
## 1686
                8.039240e-04 0.00000000000
                8.039240e-04 0.0000000000
## 1687
                                                  0.0051795815 0.4116752812
## 1688
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1689
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1690
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1691
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1692
## 1693
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1694
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                                                  0.0051795815 0.4116752812
## 1695
                8.039240e-04 0.00000000000
## 1696
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1697
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1698
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1699
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1700
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1701
## 1702
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.00000000000
## 1703
                                                  0.0051795815 0.4116752812
## 1704
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1705
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
```

```
## 1706
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1707
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1708
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1709
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1710
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1711
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1712
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1713
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                                                  0.0051795815 0.4116752812
## 1714
                8.039240e-04 0.0000000000
## 1715
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1716
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1717
## 1718
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1719
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1720
## 1721
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1722
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1723
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1724
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1725
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1726
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1727
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1728
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1729
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1730
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1731
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1732
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1733
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1734
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1735
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                                                  0.0051795815 0.4116752812
## 1736
                8.039240e-04 0.00000000000
                8.039240e-04 0.0000000000
## 1737
                                                  0.0051795815 0.4116752812
## 1738
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1739
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1740
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1741
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1742
## 1743
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1744
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                                                  0.0051795815 0.4116752812
## 1745
                8.039240e-04 0.00000000000
## 1746
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1747
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1748
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1749
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1750
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1751
## 1752
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.00000000000
## 1753
                                                  0.0051795815 0.4116752812
## 1754
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1755
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
```

```
## 1756
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1757
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1758
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1759
## 1760
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1761
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1762
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1763
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1764
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1765
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1766
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
## 1767
                                                  0.0051795815 0.4116752812
## 1768
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1769
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1770
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1771
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1772
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1773
## 1774
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1775
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1776
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1777
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
## 1778
                                                  0.0051795815 0.4116752812
## 1779
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1780
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1781
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
## 1782
                                                  0.0051795815 0.4116752812
## 1783
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1784
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1785
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                                                  0.0051795815 0.4116752812
## 1786
                8.039240e-04 0.00000000000
                8.039240e-04 0.0000000000
## 1787
                                                  0.0051795815 0.4116752812
## 1788
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1789
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1790
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1791
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1792
## 1793
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1794
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                                                  0.0051795815 0.4116752812
## 1795
                8.039240e-04 0.00000000000
## 1796
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1797
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1798
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1799
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1800
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1801
## 1802
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.00000000000
## 1803
                                                  0.0051795815 0.4116752812
## 1804
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1805
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
```

```
## 1806
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1807
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1808
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1809
## 1810
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1811
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1812
                8.039240e-04 0.00000000000
                                                 0.0051795815 0.4116752812
## 1813
                8.039240e-04 0.00000000000
                                                 0.0051795815 0.4116752812
## 1814
                8.039240e-04 0.0000000000
                                                 0.0051795815 0.4116752812
## 1815
                8.039240e-04 0.00000000000
                                                  0.0051795815 0.4116752812
## 1816
                8.039240e-04 0.0000000000
                                                 0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
                                                  0.0051795815 0.4116752812
## 1817
## 1818
                8.039240e-04 0.00000000000
                                                 0.0051795815 0.4116752812
## 1819
                8.039240e-04 0.00000000000
                                                 0.0051795815 0.4116752812
                8.039240e-04 0.0000000000
                                                 0.0051795815 0.4116752812
## 1820
## 1821
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1822
                2.540331e-03 0.0020800832
                                                  0.0072659156 0.4095469748
                                                 0.0072659156 0.4095469748
## 1823
                2.540331e-03 0.0020800832
## 1824
                2.540331e-03 0.0020800832
                                                  0.0072659156 0.4095469748
## 1825
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1826
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1827
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
                2.540331e-03 0.0020800832
## 1828
                                                 0.0072659156 0.4095469748
## 1829
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1830
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1831
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1832
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
                                                  0.0072659156 0.4095469748
## 1833
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1834
                2.540331e-03 0.0020800832
## 1835
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1836
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1837
## 1838
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1839
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1840
                2.540331e-03 0.0020800832
                                                  0.0072659156 0.4095469748
## 1841
                2.540331e-03 0.0020800832
                                                  0.0072659156 0.4095469748
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1842
## 1843
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1844
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
                2.540331e-03 0.0020800832
## 1845
                                                 0.0072659156 0.4095469748
## 1846
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1847
                2.540331e-03 0.0020800832
                                                 0.0072659156 0.4095469748
## 1848
                2.540331e-03 0.0020800832
                                                  0.0072659156 0.4095469748
## 1849
                2.540331e-03 0.0020800832
                                                  0.0072659156 0.4095469748
                2.540331e-03 0.0020800832
                                                  0.0072659156 0.4095469748
## 1850
                                                  0.0072659156 0.4095469748
## 1851
                2.540331e-03 0.0020800832
##
           X806.0.3 X4.970149253731344
                                            X0.0.6 X69.85058043098057
## 1
         0.44240035
                            0.100993742 0.13025780
                                                          0.0931701827
## 2
         0.44240035
                            0.100993742 0.13025780
                                                          0.0931701827
## 3
         0.44240035
                            0.100993742 0.13025780
                                                          0.0931701827
```

## 4	0.44240035	0.100993742 0.13025780	0.0931701827
## 5	0.44240035	0.100993742 0.13025780	0.0931701827
## 6	0.44240035	0.100993742 0.13025780	0.0931701827
## 7	0.44240035	0.100993742 0.13025780	0.0931701827
## 8	0.44240035	0.100993742 0.13025780	0.0931701827
## 9	0.44240035	0.100993742 0.13025780	0.0931701827
## 10	0.44240035	0.100993742 0.13025780	0.0931701827
## 11	0.44240035	0.100993742 0.13025780	0.0931701827
## 12	0.44240035	0.100993742 0.13025780	0.0931701827
## 13	0.44240035	0.100993742 0.13025780	0.0931701827
## 14	0.44240035	0.100993742 0.13025780	0.0931701827
## 15	0.44240035	0.100993742 0.13025780	0.0931701827
## 16	0.44240035	0.100993742 0.13025780	0.0931701827
## 17	0.44240035	0.100993742 0.13025780	0.0931701827
## 18	0.44240035	0.100993742 0.13025780	0.0931701827
## 19	0.44240035	0.100993742 0.13025780	0.0931701827
## 20	0.44240035	0.100993742 0.13025780	0.0931701827
## 21	0.44240035	0.100993742 0.13025780	0.0931701827
## 22	0.44240035	0.100993742 0.13025780	0.0931701827
## 22	0.44240035	0.100993742 0.13025780	0.0931701827
## 23	0.44240035	0.100993742 0.13025780	0.0931701827
## 24		0.100993742 0.13025780	0.0931701827
	0.44240035		
## 26	0.44240035	0.100993742 0.13025780	0.0931701827
## 27	0.44240035	0.100993742 0.13025780	0.0931701827
## 28	0.44240035	0.100993742 0.13025780	0.0931701827
## 29	0.44240035	0.100993742 0.13025780	0.0931701827
## 30	0.44240035	0.100993742 0.13025780	0.0931701827
## 31	0.44240035	0.100993742 0.13025780	0.0931701827
## 32	0.44240035	0.100993742 0.13025780	0.0931701827
## 33	0.44240035	0.100993742 0.13025780	0.0931701827
## 34	0.44240035	0.100993742 0.13025780	0.0931701827
## 35	0.44240035	0.100993742 0.13025780	0.0931701827
## 36	0.44240035	0.100993742 0.13025780	0.0931701827
## 37	0.44240035	0.100993742 0.13025780	0.0931701827
## 38	0.44240035	0.100993742 0.13025780	0.0931701827
## 39	0.44240035	0.100993742 0.13025780	0.0931701827
## 40	0.44240035	0.100993742 0.13025780	0.0931701827
## 41	0.44240035	0.100993742 0.13025780	0.0931701827
## 42	0.44240035	0.100993742 0.13025780	0.0931701827
## 43	0.44240035	0.100993742 0.13025780	0.0931701827
## 44	0.44240035	0.100993742 0.13025780	0.0931701827
## 45	0.44240035	0.100993742 0.13025780	0.0931701827
## 46	0.44240035	0.100993742 0.13025780	0.0931701827
## 47	0.44240035	0.100993742 0.13025780	0.0931701827
## 48	0.44240035	0.100993742 0.13025780	0.0931701827
## 49	0.44240035	0.100993742 0.13025780	0.0931701827
## 50	0.44240035	0.100993742 0.13025780	0.0931701827
## 51	0.44240035	0.100993742 0.13025780	0.0931701827
## 52	0.44240035	0.100993742 0.13025780	0.0931701827
## 53	0.44240035	0.100993742 0.13025780	0.0931701827

##	54	0.44240035	0.100993742	0.13025780	0.0931701827
##	55	0.44240035	0.100993742	0.13025780	0.0931701827
##	56	0.44240035	0.100993742	0.13025780	0.0931701827
##	57	0.44240035	0.100993742	0.13025780	0.0931701827
##	58	0.44240035	0.100993742	0.13025780	0.0931701827
##	59	0.44240035	0.100993742	0.13025780	0.0931701827
##	60	0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
	62	0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
	64	0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
	66	0.44240035	0.100993742		0.0931701827
	67	0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
	73 74	0.44240035	0.100993742		0.0931701827
	7 4 75		0.100993742		0.0931701827
		0.44240035			
##		0.44240035	0.100993742		0.0931701827
	77	0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
	79	0.44240035	0.100993742		0.0931701827
	80	0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
	84	0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
	86	0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
##	88	0.44240035	0.100993742		0.0931701827
	89	0.44240035	0.100993742		0.0931701827
	90	0.44240035	0.100993742		0.0931701827
##		0.44240035	0.100993742		0.0931701827
##	92	0.44240035	0.100993742	0.13025780	0.0931701827
##	93	0.44240035	0.100993742	0.13025780	0.0931701827
##	94	0.44240035	0.100993742	0.13025780	0.0931701827
##	95	0.44240035	0.100993742	0.13025780	0.0931701827
##	96	0.44240035	0.100993742	0.13025780	0.0931701827
##	97	0.44240035	0.100993742	0.13025780	0.0931701827
##	98	0.44240035	0.100993742	0.13025780	0.0931701827
##	99	0.44240035	0.100993742	0.13025780	0.0931701827
##	100	0.44240035	0.100993742	0.13025780	0.0931701827
	101	0.44240035	0.100993742		0.0931701827
	102	0.44240035	0.100993742		0.0931701827
	103	0.44240035	0.100993742		0.0931701827

## 104	0.44240035	0.100993742 0.13025780	0.0931701827
## 105	0.44240035	0.100993742 0.13025780	0.0931701827
## 106	0.44240035	0.100993742 0.13025780	0.0931701827
## 107	0.44240035	0.100993742 0.13025780	0.0931701827
## 108	0.44240035	0.100993742 0.13025780	0.0931701827
## 109	0.44240035	0.100993742 0.13025780	0.0931701827
## 110	0.44240035	0.100993742 0.13025780	0.0931701827
## 111	0.44240035	0.100993742 0.13025780	0.0931701827
## 112	0.44240035	0.100993742 0.13025780	0.0931701827
## 113	0.44240035	0.100993742 0.13025780	0.0931701827
## 114	0.44240035	0.100993742 0.13025780	0.0931701827
## 115	0.44240035	0.100993742 0.13025780	0.0931701827
## 116	0.44240035	0.100993742 0.13025780	0.0931701827
## 117	0.44240035	0.100993742 0.13025780	0.0931701827
## 118	0.44240035	0.100993742 0.13025780	0.0931701827
## 119	0.44240035	0.100993742 0.13025780	0.0931701827
## 120	0.44240035	0.100993742 0.13025780	0.0931701827
## 121	0.44240035	0.100993742 0.13025780	0.0931701827
## 122	0.44240035	0.100993742 0.13025780	0.0931701827
## 123	0.44240035	0.100993742 0.13025780	0.0931701827
## 124	0.44240035	0.100993742 0.13025780	0.0931701827
## 125	0.44240035	0.100993742 0.13025780	0.0931701827
## 126	0.44240035	0.100993742 0.13025780	0.0931701827
## 127	0.44240035	0.100993742 0.13025780	0.0931701827
## 128	0.44240035	0.100993742 0.13025780	0.0931701827
## 129	0.44240035	0.100993742 0.13025780	0.0931701827
## 130	0.44240035	0.100993742 0.13025780	0.0931701827
## 131	0.44240035	0.100993742 0.13025780	0.0931701827
## 132	0.44240035	0.100993742 0.13025780	0.0931701827
## 133	0.44240035	0.100993742 0.13025780	0.0931701827
## 134	0.67849321	0.110874751 0.10741746	0.6423672232
## 135	0.67849321	0.110874751 0.10741746	0.6423672232
## 136	0.67849321	0.110874751 0.10741746	0.6423672232
## 137	0.67849321	0.110874751 0.10741746	0.6423672232
## 138	0.67849321	0.110874751 0.10741746	0.6423672232
## 139	0.67849321	0.110874751 0.10741746	0.6423672232
## 140	0.67849321	0.110874751 0.10741746	0.6423672232
## 141	0.67849321	0.110874751 0.10741746	0.6423672232
## 142	0.67849321	0.110874751 0.10741746	0.6423672232
## 143	0.67849321	0.110874751 0.10741746	0.6423672232
## 144	0.67849321	0.110874751 0.10741746	0.6423672232
## 145	0.67849321	0.110874751 0.10741746	0.6423672232
## 146	0.67849321	0.110874751 0.10741746	0.6423672232
## 147	0.67849321	0.110874751 0.10741746	0.6423672232
## 148	0.67849321	0.110874751 0.10741746	0.6423672232
## 149	0.67849321	0.110874751 0.10741746	0.6423672232
## 150	0.67849321	0.110874751 0.10741746	0.6423672232
## 151	0.67849321	0.110874751 0.10741746	0.6423672232
## 152	0.67849321	0.110874751 0.10741746	0.6423672232
## 153	0.67849321	0.110874751 0.10741746	0.6423672232

## 154	0.67849321	0.110874751 0.10741746	
## 155	0.67849321	0.110874751 0.10741746	
## 156	0.67849321	0.110874751 0.10741746	0.6423672232
## 157	0.67849321	0.110874751 0.10741746	0.6423672232
## 158	0.67849321	0.110874751 0.10741746	0.6423672232
## 159	0.67849321	0.110874751 0.10741746	0.6423672232
## 160	0.67849321	0.110874751 0.10741746	0.6423672232
## 161	0.67849321	0.110874751 0.10741746	0.6423672232
## 162	0.67849321	0.110874751 0.10741746	0.6423672232
## 163	0.67849321	0.110874751 0.10741746	0.6423672232
## 164	0.67849321	0.110874751 0.10741746	0.6423672232
## 165	0.67849321	0.110874751 0.10741746	0.6423672232
## 166	0.67849321	0.110874751 0.10741746	0.6423672232
## 167	0.67849321	0.110874751 0.10741746	0.6423672232
## 168	0.67849321	0.110874751 0.10741746	0.6423672232
## 169	0.67849321	0.110874751 0.10741746	
## 170	0.67849321	0.110874751 0.10741746	
## 171	0.67849321	0.110874751 0.10741746	
## 172	0.67849321	0.110874751 0.10741746	
## 173	0.67849321	0.110874751 0.10741746	
## 174	0.67849321	0.110874751 0.10741746	
## 175	0.67849321	0.110874751 0.10741746	
## 176	0.67849321	0.110874751 0.10741746	
## 177	0.67849321	0.110874751 0.10741746	
## 178	0.67849321	0.110874751 0.10741746	
## 179	0.67849321	0.110874751 0.10741746	
## 180	0.67849321	0.110874751 0.10741746	
## 181	0.67849321	0.110874751 0.10741746	
## 182	0.67849321	0.110874751 0.10741746	
## 183	0.67849321	0.110874751 0.10741746	
## 184	0.67849321	0.110874751 0.10741746	
## 185	0.67849321	0.110874751 0.10741746	
## 186	0.67849321	0.110874751 0.10741746	
## 187	0.67849321	0.110874751 0.10741746	
## 188	0.67849321	0.110874751 0.10741746	
## 189	0.67849321	0.110874751 0.10741746	
## 190	0.67849321	0.110874751 0.10741746	
## 190	0.67849321	0.110874751 0.10741746	
## 191	0.67849321	0.110874751 0.10741746	
## 192	0.67849321	0.110874751 0.10741746	
## 193 ## 194	0.67849321	0.110874751 0.10741746	
## 194	0.67849321	0.110874751 0.10741746	
## 196	0.67849321	0.110874751 0.10741746	
## 196	0.67849321	0.110874751 0.10741746	
## 197 ## 198	0.67849321	0.110874751 0.10741746	
## 198 ## 199	0.67849321 0.67849321	0.110874751 0.10741746	
## 199	0.67849321 0.67849321	0.110874751 0.10741746	
## 200		0.110874751 0.10741746	
## 201	0.67849321 0.67849321	0.110874751 0.10741746	
## 202			
## 203	0.67849321	0.110874751 0.10741746	0.6423672232

	204	0.67849321	0.110874751		0.6423672232
	205	0.67849321	0.110874751		0.6423672232
##	206	0.67849321	0.110874751	0.10741746	0.6423672232
##	207	0.67849321	0.110874751	0.10741746	0.6423672232
##	208	0.67849321	0.110874751	0.10741746	0.6423672232
##	209	0.67849321	0.110874751	0.10741746	0.6423672232
##	210	0.67849321	0.110874751	0.10741746	0.6423672232
##	211	0.67849321	0.110874751	0.10741746	0.6423672232
##	212	0.35392028	0.110127021	0.13025780	0.1627779935
##	213	0.35392028	0.110127021	0.13025780	0.1627779935
##	214	0.35392028	0.110127021	0.13025780	0.1627779935
##	215	0.35392028	0.110127021	0.13025780	0.1627779935
##	216	0.35392028	0.110127021	0.13025780	0.1627779935
##	217	0.35392028	0.110127021	0.13025780	0.1627779935
##	218	0.35392028	0.110127021	0.13025780	0.1627779935
	219	0.35392028	0.110127021	0.13025780	0.1627779935
	220	0.35392028	0.110127021		0.1627779935
	221	0.35392028	0.110127021		0.1627779935
	222	0.35392028	0.110127021		0.1627779935
	223	0.35392028	0.110127021		0.1627779935
	224	0.35392028	0.110127021		0.1627779935
	225	0.35392028	0.110127021		0.1627779935
	226	0.35392028	0.110127021		0.1627779935
	227	0.35392028	0.110127021		0.1627779935
	228	0.35392028	0.110127021		0.1627779935
	229	0.35392028	0.110127021		0.1627779935
	230	0.35392028	0.110127021		0.1627779935
	231	0.35392028	0.110127021		0.1627779935
	232	0.35392028	0.110127021		0.1627779935
	233	0.35392028	0.110127021		0.1627779935
	234	0.35392028	0.110127021		0.1627779935
	235	0.35392028	0.110127021		0.1627779935
	236	0.35392028	0.110127021		0.1627779935
	237	0.35392028	0.110127021		0.1627779935
	238	0.35392028	0.110127021		0.1627779935
	239	0.35392028	0.110127021		0.1627779935
	240	0.35392028	0.110127021		0.1627779935
	241	0.35392028	0.110127021		0.1627779935
	241	0.35392028	0.110127021		0.1627779935
	242	0.35392028	0.110127021		0.1627779935
	244	0.35392028	0.110127021		0.1627779935
	244	0.35392028	0.110127021		0.1627779935
	245	0.35392028	0.110127021		0.1627779935
	240	0.35392028	0.110127021		0.1627779935
	248	0.35392028	0.110127021		0.1627779935
	249	0.35392028	0.110127021		0.1627779935
	250	0.35392028	0.110127021		0.1627779935
	251	0.35392028	0.110127021		0.1627779935
	252	0.35392028	0.110127021		0.1627779935
	253	0.35392028	0.110127021		0.1627779935
##	233	0.33372020	0.11012/021	0.13023700	0.102///3333

## 254	0.35392028	0.110127021 0.13025780	0.1627779935
## 255	0.35392028	0.110127021 0.13025780	0.1627779935
## 256	0.35392028	0.110127021 0.13025780	0.1627779935
## 257	0.35392028	0.110127021 0.13025780	0.1627779935
## 258	0.35392028	0.110127021 0.13025780	0.1627779935
## 259	0.35392028	0.110127021 0.13025780	0.1627779935
## 260	0.35392028	0.110127021 0.13025780	0.1627779935
## 261	0.35392028	0.110127021 0.13025780	0.1627779935
## 262	0.35392028	0.110127021 0.13025780	0.1627779935
## 263	0.35392028	0.110127021 0.13025780	0.1627779935
## 264	0.35392028	0.110127021 0.13025780	0.1627779935
## 265	0.35392028	0.110127021 0.13025780	0.1627779935
## 266	0.35392028	0.110127021 0.13025780	0.1627779935
## 267	0.35392028	0.110127021 0.13025780	0.1627779935
## 268	0.35392028	0.110127021 0.13025780	0.1627779935
## 269	0.35392028	0.110127021 0.13025780	0.1627779935
## 270	0.35392028	0.110127021 0.13025780	0.1627779935
## 271	0.35392028	0.110127021 0.13025780	0.1627779935
## 272	0.35392028	0.110127021 0.13025780	0.1627779935
## 273	0.35392028	0.110127021 0.13025780	0.1627779935
## 274	0.35392028	0.110127021 0.13025780	0.1627779935
## 275	0.35392028	0.110127021 0.13025780	0.1627779935
## 276	0.35392028	0.110127021 0.13025780	0.1627779935
## 277	0.35392028	0.110127021 0.13025780	0.1627779935
## 278	0.35392028	0.110127021 0.13025780	0.1627779935
## 279	0.35392028	0.110127021 0.13025780	0.1627779935
## 280	0.35392028	0.110127021 0.13025780	0.1627779935
## 281	0.35392028	0.110127021 0.13025780	0.1627779935
## 282	0.35392028	0.110127021 0.13025780	0.1627779935
## 283	0.35392028	0.110127021 0.13025780	0.1627779935
## 284	0.35392028	0.110127021 0.13025780	0.1627779935
## 285	0.35392028	0.110127021 0.13025780	0.1627779935
## 286	0.35392028	0.110127021 0.13025780	0.1627779935
## 287	0.35392028	0.110127021 0.13025780	0.1627779935
## 288	0.35392028	0.110127021 0.13025780	0.1627779935
## 289	0.35392028	0.110127021 0.13025780	0.1627779935
## 290	0.35392028	0.110127021 0.13025780	0.1627779935
## 291	0.35392028	0.110127021 0.13025780	0.1627779935
## 292	0.35392028	0.110127021 0.13025780	0.1627779935
## 293	0.35392028	0.110127021 0.13025780	0.1627779935
## 294	0.35392028	0.110127021 0.13025780	0.1627779935
## 295	0.35392028	0.110127021 0.13025780	0.1627779935
## 296	0.35392028	0.110127021 0.13025780	0.1627779935
## 297	0.35392028	0.110127021 0.13025780	0.1627779935
## 298	0.35392028	0.110127021 0.13025780	0.1627779935
## 299	0.35392028	0.110127021 0.13025780	0.1627779935
## 300	0.35392028	0.110127021 0.13025780	0.1627779935
## 301	0.35392028	0.110127021 0.13025780	0.1627779935
## 302	0.35392028	0.110127021 0.13025780	0.1627779935
## 303	0.35392028	0.110127021 0.13025780	0.1627779935

## 304	0.35392028	0.110127021 0.13025780	0.1627779935
## 305	0.35392028	0.110127021 0.13025780	0.1627779935
## 306	0.35392028	0.110127021 0.13025780	0.1627779935
## 307	0.35392028	0.110127021 0.13025780	0.1627779935
## 308	0.35392028	0.110127021 0.13025780	0.1627779935
## 309	0.35392028	0.110127021 0.13025780	0.1627779935
## 310	0.35392028	0.110127021 0.13025780	0.1627779935
## 311	0.35392028	0.110127021 0.13025780	0.1627779935
## 312	0.35392028	0.110127021 0.13025780	0.1627779935
## 313	0.35392028	0.110127021 0.13025780	0.1627779935
## 314	0.35392028	0.110127021 0.13025780	0.1627779935
## 315	0.35392028	0.110127021 0.13025780	0.1627779935
## 316	0.35392028	0.110127021 0.13025780	0.1627779935
## 317	0.35392028	0.110127021 0.13025780	0.1627779935
## 318	0.35392028	0.110127021 0.13025780	0.1627779935
## 319	0.35392028	0.110127021 0.13025780	0.1627779935
## 320	0.35392028	0.110127021 0.13025780	0.1627779935
## 321	0.35392028	0.110127021 0.13025780	0.1627779935
## 322	0.35392028	0.110127021 0.13025780	0.1627779935
## 323	0.35392028	0.110127021 0.13025780	0.1627779935
## 324	0.35392028	0.110127021 0.13025780	0.1627779935
## 325	0.35392028	0.110127021 0.13025780	0.1627779935
## 326	0.35392028	0.110127021 0.13025780	0.1627779935
## 327	0.35392028	0.110127021 0.13025780	0.1627779935
## 328	0.35392028	0.110127021 0.13025780	0.1627779935
## 329	0.35392028	0.110127021 0.13025780	0.1627779935
## 330	0.35392028	0.110127021 0.13025780	0.1627779935
## 331	0.35392028	0.110127021 0.13025780	0.1627779935
## 332	0.35392028	0.110127021 0.13025780	0.1627779935
## 333	0.35392028	0.110127021 0.13025780	0.1627779935
## 334	0.35392028	0.110127021 0.13025780	0.1627779935
## 335	0.35392028	0.110127021 0.13025780	0.1627779935
## 336	0.35392028	0.110127021 0.13025780	0.1627779935
## 337	0.08979413	0.097101789 0.12980552	0.0087183409
## 338	0.08979413	0.097101789 0.12980552	0.0087183409
## 339	0.08979413	0.097101789 0.12980552	0.0087183409
## 340	0.08979413	0.097101789 0.12980552	0.0087183409
## 341	0.08979413	0.097101789 0.12980552	0.0087183409
## 341	0.08979413	0.097101789 0.12980552	0.0087183409
## 343	0.08979413	0.097101789 0.12980552	0.0087183409
## 344	0.08979413	0.097101789 0.12980552	0.0087183409
## 345	0.08979413	0.097101789 0.12980552	0.0087183409
## 346	0.08979413	0.097101789 0.12980552	0.0087183409
## 347	0.08979413	0.097101789 0.12980552	0.0087183409
## 348	0.08979413	0.097101789 0.12980552	0.0087183409
## 349	0.36136662	0.100068054 0.12347354	0.1766860402
## 349	0.36136662	0.100068054 0.12347354	0.1766860402
## 350	0.36136662	0.100068054 0.12347354	0.1766860402
## 351	0.36136662	0.100068054 0.12347354	0.1766860402
## 353	0.36136662	0.100068054 0.12347354	0.1766860402
ππ 333	0.30130002	0.100000004 0.1234/334	0.1/00000402

## 354	0.36136662	0.100068054 0.12347354	0.1766860402
## 355	0.36136662	0.100068054 0.12347354	0.1766860402
## 356	0.36136662	0.100068054 0.12347354	0.1766860402
## 357	0.36136662	0.100068054 0.12347354	0.1766860402
## 358	0.36136662	0.100068054 0.12347354	0.1766860402
## 359	0.36136662	0.100068054 0.12347354	0.1766860402
## 360	0.36136662	0.100068054 0.12347354	0.1766860402
## 361	0.36136662	0.100068054 0.12347354	0.1766860402
## 362	0.36136662	0.100068054 0.12347354	0.1766860402
## 363	0.36136662	0.100068054 0.12347354	0.1766860402
## 364	0.36136662	0.100068054 0.12347354	0.1766860402
## 365	0.36136662	0.100068054 0.12347354	0.1766860402
## 366	0.36136662	0.100068054 0.12347354	0.1766860402
## 367	0.36136662	0.100068054 0.12347354	0.1766860402
## 368	0.36136662	0.100068054 0.12347354	0.1766860402
## 369	0.36136662	0.100068054 0.12347354	0.1766860402
## 370	0.36136662	0.100068054 0.12347354	0.1766860402
## 371	0.36136662	0.100068054 0.12347354	0.1766860402
## 372	0.36136662	0.100068054 0.12347354	0.1766860402
## 373	0.36136662	0.100068054 0.12347354	0.1766860402
## 374	0.36136662	0.100068054 0.12347354	0.1766860402
## 375	0.36136662	0.100068054 0.12347354	0.1766860402
## 376	0.36136662	0.100068054 0.12347354	0.1766860402
## 377	0.36136662	0.100068054 0.12347354	0.1766860402
## 378	0.36136662	0.100068054 0.12347354	0.1766860402
## 379	0.36136662	0.100068054 0.12347354	0.1766860402
## 380	0.36136662	0.100068054 0.12347354	0.1766860402
## 381	0.36136662	0.100068054 0.12347354	0.1766860402
## 382	0.36136662	0.100068054 0.12347354	0.1766860402
## 383	0.36136662	0.100068054 0.12347354	0.1766860402
## 384	0.36136662	0.100068054 0.12347354	0.1766860402
## 385	0.36136662	0.100068054 0.12347354	0.1766860402
## 386	0.36136662	0.100068054 0.12347354	0.1766860402
## 387	0.36136662	0.100068054 0.12347354	0.1766860402
## 388	0.36136662	0.100068054 0.12347354	0.1766860402
## 389	0.36136662	0.100068054 0.12347354	0.1766860402
## 399	0.36136662	0.100068054 0.12347354	0.1766860402
## 390	0.36136662	0.100068054 0.12347354	0.1766860402
## 391	0.36136662	0.100068054 0.12347354	0.1766860402
## 393	0.36136662	0.100068054 0.12347354	0.1766860402
## 393	0.36136662	0.100068054 0.12347354	0.1766860402
## 394	0.36136662	0.100068054 0.12347354	0.1766860402
## 395	0.36136662	0.100068054 0.12347354	0.1766860402
## 396	0.36136662	0.100068054 0.12347354	0.1766860402
		0.100068054 0.12347354	
## 398 ## 399	0.36136662	0.100068054 0.12347354 0.100068054 0.12347354	0.1766860402
	0.36136662		0.1766860402
## 400	0.36136662	0.100068054 0.12347354	0.1766860402
## 401	0.36136662	0.100068054 0.12347354	0.1766860402
## 402	0.36136662	0.100068054 0.12347354	0.1766860402
## 403	0.36136662	0.100068054 0.12347354	0.1766860402

## 404	0.36136662	0.100068054 0.12347354	0.1766860402
## 405	0.36136662	0.100068054 0.12347354	0.1766860402
## 406	0.36136662	0.100068054 0.12347354	0.1766860402
## 407	0.36136662	0.100068054 0.12347354	0.1766860402
## 408	0.36136662	0.100068054 0.12347354	0.1766860402
## 409	0.36136662	0.100068054 0.12347354	0.1766860402
## 410	0.36136662	0.100068054 0.12347354	0.1766860402
## 411	0.36136662	0.100068054 0.12347354	0.1766860402
## 412	0.36136662	0.100068054 0.12347354	0.1766860402
## 413	0.36136662	0.100068054 0.12347354	0.1766860402
## 414	0.36136662	0.100068054 0.12347354	0.1766860402
## 415	0.36136662	0.100068054 0.12347354	0.1766860402
## 416	0.36136662	0.100068054 0.12347354	0.1766860402
## 417	0.36136662	0.100068054 0.12347354	0.1766860402
## 418	0.36136662	0.100068054 0.12347354	0.1766860402
## 419	0.36136662	0.100068054 0.12347354	0.1766860402
## 420	0.36136662	0.100068054 0.12347354	0.1766860402
## 421	0.36136662	0.100068054 0.12347354	0.1766860402
## 422	0.36136662	0.100068054 0.12347354	0.1766860402
## 423	0.36136662	0.100068054 0.12347354	0.1766860402
## 424	0.36136662	0.100068054 0.12347354	0.1766860402
## 425	0.36136662	0.100068054 0.12347354	0.1766860402
## 426	0.36136662	0.100068054 0.12347354	0.1766860402
## 427	0.36136662	0.100068054 0.12347354	0.1766860402
## 428	0.36136662	0.100068054 0.12347354	0.1766860402
## 429	0.36136662	0.100068054 0.12347354	0.1766860402
## 430	0.36136662	0.100068054 0.12347354	0.1766860402
## 431	0.36136662	0.100068054 0.12347354	0.1766860402
## 432	0.36136662	0.100068054 0.12347354	0.1766860402
## 433	0.36136662	0.100068054 0.12347354	0.1766860402
## 434	0.36136662	0.100068054 0.12347354	0.1766860402
## 435	0.36136662	0.100068054 0.12347354	0.1766860402
## 436	0.36136662	0.100068054 0.12347354	0.1766860402
## 437	0.36136662	0.100068054 0.12347354	0.1766860402
## 438	0.36136662	0.100068054 0.12347354	0.1766860402
## 439	0.36136662	0.100068054 0.12347354	0.1766860402
## 440	0.36136662	0.100068054 0.12347354	0.1766860402
## 441	0.36136662	0.100068054 0.12347354	0.1766860402
## 442	0.36136662	0.100068054 0.12347354	0.1766860402
## 443	0.36136662	0.100068054 0.12347354	0.1766860402
## 444	0.36136662	0.100068054 0.12347354	0.1766860402
## 445	0.36136662	0.100068054 0.12347354	0.1766860402
## 446	0.36136662	0.100068054 0.12347354	0.1766860402
## 447	0.36136662	0.100068054 0.12347354	0.1766860402
## 447	0.36136662	0.100068054 0.12347354	0.1766860402
## 449	0.36136662	0.100068054 0.12347354	0.1766860402
## 449	0.36136662	0.100068054 0.12347354	0.1766860402
## 450	0.36136662	0.100068054 0.12347354	0.1766860402
## 451	0.36136662	0.100068054 0.12347354	0.1766860402
## 452	0.36136662	0.100068054 0.12347354	0.1766860402
## 433	0.30130002	0.100000004 0.1234/334	0.1/00000402

## 454	0.36136662	0.100068054 0.12347354	0.1766860402
## 455	0.36136662	0.100068054 0.12347354	0.1766860402
## 456	0.36136662	0.100068054 0.12347354	0.1766860402
## 457	0.36136662	0.100068054 0.12347354	0.1766860402
## 458	0.36136662	0.100068054 0.12347354	0.1766860402
## 459	0.36136662	0.100068054 0.12347354	0.1766860402
## 460	0.36136662	0.100068054 0.12347354	0.1766860402
## 461	0.36136662	0.100068054 0.12347354	0.1766860402
## 462	0.36136662	0.100068054 0.12347354	0.1766860402
## 463	0.36136662	0.100068054 0.12347354	0.1766860402
## 464	0.36136662	0.100068054 0.12347354	0.1766860402
## 465	0.36136662	0.100068054 0.12347354	0.1766860402
## 466	0.36136662	0.100068054 0.12347354	0.1766860402
## 467	0.36136662	0.100068054 0.12347354	0.1766860402
## 468	0.36136662	0.100068054 0.12347354	0.1766860402
## 469	0.36136662	0.100068054 0.12347354	0.1766860402
## 470	0.36136662	0.100068054 0.12347354	0.1766860402
## 471	0.36136662	0.100068054 0.12347354	0.1766860402
## 472	0.36136662	0.100068054 0.12347354	0.1766860402
## 473	0.36136662	0.100068054 0.12347354	0.1766860402
## 474	0.36136662	0.100068054 0.12347354	0.1766860402
## 475	0.36136662	0.100068054 0.12347354	0.1766860402
## 476	0.36136662	0.100068054 0.12347354	0.1766860402
## 477	0.36136662	0.100068054 0.12347354	0.1766860402
## 478	0.36136662	0.100068054 0.12347354	0.1766860402
## 479	0.36136662	0.100068054 0.12347354	0.1766860402
## 480	0.36136662	0.100068054 0.12347354	0.1766860402
## 481	0.36136662	0.100068054 0.12347354	0.1766860402
## 482	0.36136662	0.100068054 0.12347354	0.1766860402
## 483	0.36136662	0.100068054 0.12347354	0.1766860402
## 484	0.36136662	0.100068054 0.12347354	0.1766860402
## 485	0.36136662	0.100068054 0.12347354	0.1766860402
## 486	0.36136662	0.100068054 0.12347354	0.1766860402
## 487	0.36136662	0.100068054 0.12347354	0.1766860402
## 488	0.36136662	0.100068054 0.12347354	0.1766860402
## 489	0.36136662	0.100068054 0.12347354	0.1766860402
## 490	0.36136662	0.100068054 0.12347354	0.1766860402
## 491	0.36136662	0.100068054 0.12347354	0.1766860402
## 491	0.36136662	0.100068054 0.12347354	0.1766860402
## 493	0.36136662	0.100068054 0.12347354	0.1766860402
## 494	0.36136662	0.100068054 0.12347354	0.1766860402
## 494	0.36136662	0.100068054 0.12347354	0.1766860402
## 496	0.36136662	0.100068054 0.12347354	0.1766860402
## 490	0.36136662	0.100068054 0.12347354	0.1766860402
## 497	0.36136662	0.100068054 0.12347354	0.1766860402
## 498	0.36136662	0.100068054 0.12347354	0.1766860402
## 500	0.36136662	0.100068054 0.12347354	0.1766860402
## 500	0.36136662	0.100068054 0.12347354	0.1766860402
## 501	0.36136662	0.100068054 0.12347354	0.1766860402
## 502	0.36136662	0.100068054 0.12347354	0.1766860402
## 303	0.30130007	0.10000004 0.1234/334	0.1/00000402

## 504	0.36136662	0.100068054 0.12347354	0.1766860402
## 505	0.36136662	0.100068054 0.12347354	0.1766860402
## 506	0.36136662	0.100068054 0.12347354	0.1766860402
## 507	0.36136662	0.100068054 0.12347354	0.1766860402
## 508	0.36136662	0.100068054 0.12347354	0.1766860402
## 509	0.36136662	0.100068054 0.12347354	0.1766860402
## 510	0.36136662	0.100068054 0.12347354	0.1766860402
## 511	0.36136662	0.100068054 0.12347354	0.1766860402
## 512	0.36136662	0.100068054 0.12347354	0.1766860402
## 513	0.36136662	0.100068054 0.12347354	0.1766860402
## 514	0.36136662	0.100068054 0.12347354	0.1766860402
## 515	0.36136662	0.100068054 0.12347354	0.1766860402
## 516	0.36136662	0.100068054 0.12347354	0.1766860402
## 517	0.36136662	0.100068054 0.12347354	0.1766860402
## 518	0.36136662	0.100068054 0.12347354	0.1766860402
## 519	0.36136662	0.100068054 0.12347354	0.1766860402
## 520	0.36136662	0.100068054 0.12347354	0.1766860402
## 521	0.36136662	0.100068054 0.12347354	0.1766860402
## 521	0.36136662	0.100068054 0.12347354	0.1766860402
## 523	0.36136662	0.100068054 0.12347354	0.1766860402
## 524	0.36136662	0.100068054 0.12347354	0.1766860402
## 524			
	0.36136662	0.100068054 0.12347354	0.1766860402
## 526	0.36136662	0.100068054 0.12347354	0.1766860402
## 527	0.36136662	0.100068054 0.12347354	0.1766860402
## 528	0.36136662	0.100068054 0.12347354	0.1766860402
## 529	0.36136662	0.100068054 0.12347354	0.1766860402
## 530	0.36136662	0.100068054 0.12347354	0.1766860402
## 531	0.36136662	0.100068054 0.12347354	0.1766860402
## 532	0.36136662	0.100068054 0.12347354	0.1766860402
## 533	0.36136662	0.100068054 0.12347354	0.1766860402
## 534	0.36136662	0.100068054 0.12347354	0.1766860402
## 535	0.36136662	0.100068054 0.12347354	0.1766860402
## 536	0.36136662	0.100068054 0.12347354	0.1766860402
## 537	0.36136662	0.100068054 0.12347354	0.1766860402
## 538	0.36136662	0.100068054 0.12347354	0.1766860402
## 539	0.36136662	0.100068054 0.12347354	0.1766860402
## 540	0.36136662	0.100068054 0.12347354	0.1766860402
## 541	0.36136662	0.100068054 0.12347354	0.1766860402
## 542	0.36136662	0.100068054 0.12347354	0.1766860402
## 543	0.36136662	0.100068054 0.12347354	0.1766860402
## 544	0.36136662	0.100068054 0.12347354	0.1766860402
## 545	0.36136662	0.100068054 0.12347354	0.1766860402
## 546	0.36136662	0.100068054 0.12347354	0.1766860402
## 547	0.36136662	0.100068054 0.12347354	0.1766860402
## 548	0.36136662	0.100068054 0.12347354	0.1766860402
## 549	0.36136662	0.100068054 0.12347354	0.1766860402
## 550	0.36136662	0.100068054 0.12347354	0.1766860402
## 551	0.36136662	0.100068054 0.12347354	0.1766860402
## 552	0.36136662	0.100068054 0.12347354	0.1766860402
## 553	0.36136662	0.100068054 0.12347354	0.1766860402

	554	0.36136662	0.100068054		0.1766860402
##	555	0.36136662	0.100068054		0.1766860402
##	556	0.36136662	0.100068054	0.12347354	0.1766860402
##	557	0.21375383	0.100132213		0.0501084884
##	558	0.21375383	0.100132213	0.12935323	0.0501084884
##	559	0.21375383	0.100132213	0.12935323	0.0501084884
##	560	0.21375383	0.100132213	0.12935323	0.0501084884
##	561	0.21375383	0.100132213	0.12935323	0.0501084884
##	562	0.21375383	0.100132213		0.0501084884
##	563	0.21375383	0.100132213	0.12935323	0.0501084884
##	564	0.21375383	0.100132213		0.0501084884
	565	0.21375383	0.100132213		0.0501084884
	566	0.21375383	0.100132213		0.0501084884
	567	0.21375383	0.100132213		0.0501084884
##	568	0.21375383	0.100132213		0.0501084884
##	569	0.21375383	0.100132213		0.0501084884
##	570	0.21375383	0.100132213		0.0501084884
##	571	0.21375383	0.100132213		0.0501084884
##	572	0.21375383	0.100132213		0.0501084884
##	573	0.21375383	0.100132213		0.0501084884
	574	0.21375383	0.100132213		0.0501084884
##	575	0.21375383	0.100132213		0.0501084884
##	576	0.21375383	0.100132213	0.12935323	0.0501084884
##	577	0.21375383	0.100132213	0.12935323	0.0501084884
##	578	0.21375383	0.100132213		0.0501084884
##	579	0.21375383	0.100132213	0.12935323	0.0501084884
##	580	0.21375383	0.100132213	0.12935323	0.0501084884
##	581	0.21375383	0.100132213	0.12935323	0.0501084884
##	582	0.21375383	0.100132213	0.12935323	0.0501084884
##	583	0.21375383	0.100132213	0.12935323	0.0501084884
##	584	0.21375383	0.100132213		0.0501084884
##	585	0.21375383	0.100132213		0.0501084884
	586	0.21375383	0.100132213		0.0501084884
	587	0.21375383	0.100132213		0.0501084884
##	588	0.21375383	0.100132213		0.0501084884
##	589	0.21375383	0.100132213		0.0501084884
	590	0.21375383	0.100132213		0.0501084884
	591	0.21375383	0.100132213		0.0501084884
	592	0.21375383	0.100132213		0.0501084884
	593	0.21375383	0.100132213		0.0501084884
	594	0.21375383	0.100132213		0.0501084884
	595	0.21375383	0.100132213		0.0501084884
	596	0.21375383	0.100132213		0.0501084884
##	597	0.21375383	0.100132213	0.12935323	0.0501084884
##	598	0.21375383	0.100132213	0.12935323	0.0501084884
	599	0.21375383	0.100132213		0.0501084884
	600	0.21375383	0.100132213		0.0501084884
##	601	0.21375383	0.100132213	0.12935323	0.0501084884
	602	0.21375383	0.100132213		0.0501084884
##	603	0.21375383	0.100132213	0.12935323	0.0501084884

## 604	0.21375383	0.100132213 0.12935323	0.0501084884
## 605	0.21375383	0.100132213 0.12935323	0.0501084884
## 606	0.21375383	0.100132213 0.12935323	0.0501084884
## 607	0.21375383	0.100132213 0.12935323	0.0501084884
## 608	0.21375383	0.100132213 0.12935323	0.0501084884
## 609	0.21375383	0.100132213 0.12935323	0.0501084884
## 610	0.21375383	0.100132213 0.12935323	0.0501084884
## 611	0.21375383	0.100132213 0.12935323	0.0501084884
## 612	0.21375383	0.100132213 0.12935323	0.0501084884
## 613	0.21375383	0.100132213 0.12935323	0.0501084884
## 614	0.21375383	0.100132213 0.12935323	0.0501084884
## 615	0.21375383	0.100132213 0.12935323	0.0501084884
## 616	0.21375383	0.100132213 0.12935323	0.0501084884
## 617	0.21375383	0.100132213 0.12935323	0.0501084884
## 618	0.21375383	0.100132213 0.12935323	0.0501084884
## 619	0.21375383	0.100132213 0.12935323	0.0501084884
## 620	0.21375383	0.100132213 0.12935323	0.0501084884
## 621	0.21375383	0.100132213 0.12935323	0.0501084884
## 622	0.21375383	0.100132213 0.12935323	0.0501084884
## 623	0.21375383	0.100132213 0.12935323	0.0501084884
## 624	0.21375383	0.100132213 0.12935323	0.0501084884
## 625	0.21375383	0.100132213 0.12935323	0.0501084884
## 626	0.21375383	0.100132213 0.12935323	0.0501084884
## 627	0.21375383	0.100132213 0.12935323	0.0501084884
## 628	0.21375383	0.100132213 0.12935323	0.0501084884
## 629	0.21375383	0.100132213 0.12935323	0.0501084884
## 630	0.21375383	0.100132213 0.12935323	0.0501084884
## 631	0.21375383	0.100132213 0.12935323	0.0501084884
## 632	0.21375383	0.100132213 0.12935323	0.0501084884
## 633	0.21375383	0.100132213 0.12935323	0.0501084884
## 634	0.21375383	0.100132213 0.12935323	0.0501084884
## 635	0.21375383	0.100132213 0.12935323	0.0501084884
## 636	0.21375383	0.100132213 0.12935323	0.0501084884
## 637	0.21375383	0.100132213 0.12935323	0.0501084884
## 638	0.21375383	0.100132213 0.12935323	0.0501084884
## 639	0.21375383	0.100132213 0.12935323	0.0501084884
## 640	0.21375383	0.100132213 0.12935323	0.0501084884
## 641	0.21375383	0.100132213 0.12935323	0.0501084884
## 642	0.21375383	0.100132213 0.12935323	0.0501084884
## 643	0.21375383	0.100132213 0.12935323	0.0501084884
## 644	0.21375383	0.100132213 0.12935323	0.0501084884
## 645	0.21375383	0.100132213 0.12935323	0.0501084884
## 646	0.21375383	0.100132213 0.12935323	0.0501084884
## 647	0.21375383	0.100132213 0.12935323	0.0501084884
## 648	0.21375383	0.100132213 0.12935323	0.0501084884
## 649	0.21375383	0.100132213 0.12935323	0.0501084884
## 650	0.21375383	0.100132213 0.12935323	0.0501084884
## 651	0.21375383	0.100132213 0.12935323	0.0501084884
## 652	0.21375383	0.100132213 0.12935323	0.0501084884
## 653	0.21375383	0.100132213 0.12935323	0.0501084884
			-

	654	0.21375383	0.100132213	0.12935323	0.0501084884
##	655	0.21375383	0.100132213		0.0501084884
##	656	0.21375383	0.100132213	0.12935323	0.0501084884
##	657	0.21375383	0.100132213		0.0501084884
##	658	0.21375383	0.100132213	0.12935323	0.0501084884
##	659	0.21375383	0.100132213	0.12935323	0.0501084884
##	660	0.21375383	0.100132213	0.12935323	0.0501084884
##	661	0.21375383	0.100132213	0.12935323	0.0501084884
##	662	0.21375383	0.100132213	0.12935323	0.0501084884
##	663	0.08935611	0.097882978	0.12980552	0.0018332012
##	664	0.08935611	0.097882978	0.12980552	0.0018332012
##	665	0.08935611	0.097882978	0.12980552	0.0018332012
##	666	0.08935611	0.097882978	0.12980552	0.0018332012
##	667	0.08935611	0.097882978	0.12980552	0.0018332012
##	668	0.08935611	0.097882978	0.12980552	0.0018332012
##	669	0.08935611	0.098664167	0.13025780	0.000000000
##	670	0.08935611	0.098664167	0.13025780	0.000000000
##	671	0.08935611	0.098664167	0.13025780	0.000000000
##	672	0.08935611	0.098664167	0.13025780	0.000000000
##	673	0.09417433	0.096554957	0.12777024	0.0114418607
##	674	0.09417433	0.096554957	0.12777024	0.0114418607
##	675	0.09417433	0.096554957	0.12777024	0.0114418607
##	676	0.09417433	0.096554957	0.12777024	0.0114418607
##	677	0.09417433	0.096554957	0.12777024	0.0114418607
##	678	0.09417433	0.096554957	0.12777024	0.0114418607
##	679	0.09110819	0.098701664	0.13025780	0.0021646208
##	680	0.09110819	0.098701664	0.13025780	0.0021646208
##	681	0.09110819	0.098701664	0.13025780	0.0021646208
##	682	0.09110819	0.098701664	0.13025780	0.0021646208
##	683	0.09110819	0.098701664	0.13025780	0.0021646208
##	684	0.09110819	0.098701664	0.13025780	0.0021646208
##	685	0.09110819	0.098701664	0.13025780	0.0021646208
##	686	0.09110819	0.098701664	0.13025780	0.0021646208
##	687	0.09110819	0.098701664	0.13025780	0.0021646208
##	688	0.09110819	0.098701664	0.13025780	0.0021646208
##	689	0.09110819	0.098701664	0.13025780	0.0021646208
##	690	0.09110819	0.098701664	0.13025780	0.0021646208
##	691	0.09110819	0.098701664	0.13025780	0.0021646208
##	692	0.09110819	0.098701664	0.13025780	0.0021646208
##	693	0.09110819	0.098701664	0.13025780	0.0021646208
##	694	0.09110819	0.098701664	0.13025780	0.0021646208
##	695	0.09110819	0.098701664	0.13025780	0.0021646208
##	696	0.09110819	0.098701664	0.13025780	0.0021646208
##	697	0.09110819	0.098701664	0.13025780	0.0021646208
##	698	0.09110819	0.098701664	0.13025780	0.0021646208
##	699	0.09110819	0.098701664	0.13025780	0.0021646208
##	700	0.09110819	0.098701664	0.13025780	0.0021646208
##	701	0.09110819	0.098701664	0.13025780	0.0021646208
##	702	0.09110819	0.098701664	0.13025780	0.0021646208
##	703	0.09110819	0.098701664	0.13025780	0.0021646208

##	704	0.08366185	0.092570893	0.12437811	0.000000000
##	705	0.09023215	0.098695944		0.0012489561
##	706	0.09023215	0.098695944	0.13025780	0.0012489561
##	707	0.09023215	0.098695944	0.13025780	0.0012489561
##	708	0.09023215	0.098695944	0.13025780	0.0012489561
##	709	0.09023215	0.098695944	0.13025780	0.0012489561
##	710	0.09023215	0.098695944	0.13025780	0.0012489561
##	711	0.09023215	0.098695944	0.13025780	0.0012489561
##	712	0.09023215	0.098695944	0.13025780	0.0012489561
##	713	0.09023215	0.098695944	0.13025780	0.0012489561
##	714	0.09023215	0.098695944	0.13025780	0.0012489561
##	715	0.09023215	0.098695944	0.13025780	0.0012489561
##	716	0.09023215	0.098695944	0.13025780	0.0012489561
##	717	0.09023215	0.098695944	0.13025780	0.0012489561
##	718	0.09023215	0.098695944	0.13025780	0.0012489561
##	719	0.09023215	0.098695944	0.13025780	0.0012489561
##	720	0.09023215	0.098695944	0.13025780	0.0012489561
##	721	0.09023215	0.098695944	0.13025780	0.0012489561
##	722	0.09023215	0.098695944	0.13025780	0.0012489561
##	723	0.09023215	0.098695944	0.13025780	0.0012489561
##	724	0.09023215	0.098695944	0.13025780	0.0012489561
##	725	0.09023215	0.098695944	0.13025780	0.0012489561
##	726	0.09023215	0.098695944	0.13025780	0.0012489561
##	727	0.09023215	0.098695944	0.13025780	0.0012489561
##	728	0.09023215	0.098695944	0.13025780	0.0012489561
##	729	0.09023215	0.098695944	0.13025780	0.0012489561
##	730	0.09023215	0.098695944	0.13025780	0.0012489561
##	731	0.09023215	0.098695944	0.13025780	0.0012489561
##	732	0.09023215	0.098695944	0.13025780	0.0012489561
##	733	0.09023215	0.098695944	0.13025780	0.0012489561
##	734	0.09023215	0.098695944	0.13025780	0.0012489561
##	735	0.09023215	0.098695944	0.13025780	0.0012489561
##	736	0.09023215	0.098695944	0.13025780	0.0012489561
##	737	0.09023215	0.098695944	0.13025780	0.0012489561
##	738	0.09023215	0.098695944	0.13025780	0.0012489561
##	739	0.09023215	0.098695944	0.13025780	0.0012489561
##	740	0.09023215	0.098695944	0.13025780	0.0012489561
##	741	0.09023215	0.098695944	0.13025780	0.0012489561
##	742	0.09023215	0.098695944	0.13025780	0.0012489561
##	743	0.09023215	0.098695944	0.13025780	0.0012489561
##	744	0.09023215	0.098695944	0.13025780	0.0012489561
##	745	0.09023215	0.098695944	0.13025780	0.0012489561
##	746	0.09023215	0.098695944	0.13025780	0.0012489561
##	747	0.09023215	0.098695944	0.13025780	0.0012489561
##	748	0.09023215	0.098695944	0.13025780	0.0012489561
##	749	0.09023215	0.098695944	0.13025780	0.0012489561
##	750	0.09023215	0.098695944	0.13025780	0.0012489561
##	751	0.09023215	0.098695944	0.13025780	0.0012489561
##	752	0.09023215	0.098695944	0.13025780	0.0012489561
##	753	0.09023215	0.098695944	0.13025780	0.0012489561

	754	0.09023215	0.098695944		0.0012489561
	755	0.09023215	0.098695944		0.0012489561
	756	0.09023215	0.098695944		0.0012489561
##	757	0.09023215	0.098695944		0.0012489561
##	758	0.09023215	0.098695944	0.13025780	0.0012489561
	759	0.09023215	0.098695944	0.13025780	0.0012489561
##	760	0.09023215	0.098695944	0.13025780	0.0012489561
##	761	0.09023215	0.098695944	0.13025780	0.0012489561
##	762	0.09023215	0.098695944	0.13025780	0.0012489561
##	763	0.09023215	0.098695944	0.13025780	0.0012489561
##	764	0.33946562	0.094004604	0.10854817	0.2779274999
##	765	0.33946562	0.094004604	0.10854817	0.2779274999
##	766	0.33946562	0.094004604	0.10854817	0.2779274999
##	767	0.33946562	0.094004604	0.10854817	0.2779274999
##	768	0.33946562	0.094004604	0.10854817	0.2779274999
##	769	0.33946562	0.094004604	0.10854817	0.2779274999
##	770	0.33946562	0.094004604	0.10854817	0.2779274999
##	771	0.33946562	0.094004604	0.10854817	0.2779274999
##	772	0.33946562	0.094004604	0.10854817	0.2779274999
##	773	0.33946562	0.094004604	0.10854817	0.2779274999
##	774	0.33946562	0.094004604	0.10854817	0.2779274999
##	775	0.33946562	0.094004604	0.10854817	0.2779274999
##	776	0.33946562	0.094004604	0.10854817	0.2779274999
##	777	0.33946562	0.094004604	0.10854817	0.2779274999
##	778	0.33946562	0.094004604	0.10854817	0.2779274999
##	779	0.33946562	0.094004604	0.10854817	0.2779274999
##	780	0.33946562	0.094004604	0.10854817	0.2779274999
##	781	0.22733246	0.146121397	0.15535957	0.1776835507
##	782	0.22733246	0.146121397	0.15535957	0.1776835507
##	783	0.22733246	0.146121397	0.15535957	0.1776835507
##	784	0.22733246	0.146121397	0.15535957	0.1776835507
##	785	0.25054753	0.111098857	0.12754410	0.1203295848
##	786	0.25054753	0.111098857	0.12754410	0.1203295848
##	787	0.25054753	0.111098857	0.12754410	0.1203295848
##	788	0.25054753	0.111098857	0.12754410	0.1203295848
##	789	0.25054753	0.111098857	0.12754410	0.1203295848
##	790	0.25054753	0.111098857	0.12754410	0.1203295848
##	791	0.25054753	0.111098857	0.12754410	0.1203295848
##	792	0.25054753	0.111098857	0.12754410	0.1203295848
##	793	0.25054753	0.111098857	0.12754410	0.1203295848
##	794	0.25054753	0.111098857	0.12754410	0.1203295848
##	795	0.25054753	0.111098857	0.12754410	0.1203295848
##	796	0.25054753	0.111098857	0.12754410	0.1203295848
##	797	0.25054753	0.111098857	0.12754410	0.1203295848
##	798	0.25054753	0.111098857	0.12754410	0.1203295848
##	799	0.25054753	0.111098857	0.12754410	0.1203295848
##	800	0.25054753	0.111098857	0.12754410	0.1203295848
##	801	0.25054753	0.111098857		0.1203295848
##	802	0.25054753	0.111098857	0.12754410	0.1203295848
##	803	0.25054753	0.111098857	0.12754410	0.1203295848

## 804	0.25054753	0.111098857 0.12754410	0.1203295848
## 805	0.25054753	0.111098857 0.12754410	0.1203295848
## 806	0.25054753	0.111098857 0.12754410	0.1203295848
## 807	0.25054753	0.111098857 0.12754410	0.1203295848
## 808	0.25054753	0.111098857 0.12754410	0.1203295848
## 809	0.25054753	0.111098857 0.12754410	0.1203295848
## 810	0.25054753	0.111098857 0.12754410	0.1203295848
## 811	0.25054753	0.111098857 0.12754410	0.1203295848
## 812	0.25054753	0.111098857 0.12754410	0.1203295848
## 813	0.25054753	0.111098857 0.12754410	0.1203295848
## 814	0.25054753	0.111098857 0.12754410	0.1203295848
## 815	0.25054753	0.111098857 0.12754410	0.1203295848
## 816	0.25054753	0.111098857 0.12754410	0.1203295848
## 817	0.25054753	0.111098857 0.12754410	0.1203295848
## 818	0.25054753	0.111098857 0.12754410	0.1203295848
## 819	0.25054753	0.111098857 0.12754410	0.1203295848
## 820	0.25054753	0.111098857 0.12754410	0.1203295848
## 820	0.25054753	0.111098857 0.12754410	0.1203295848
## 821	0.25054753	0.111098857 0.12754410	0.1203295848
## 822	0.25054753	0.111098857 0.12754410	0.1203293848
## 823	0.25054753	0.111098857 0.12754410	0.1203293848
## 824	0.25054753		
		0.111098857 0.12754410	0.1203295848
## 826	0.25054753	0.111098857 0.12754410	0.1203295848
## 827	0.25054753	0.111098857 0.12754410	0.1203295848
## 828	0.25054753	0.111098857 0.12754410	0.1203295848
## 829	0.25054753	0.111098857 0.12754410	0.1203295848
## 830	0.25054753	0.111098857 0.12754410	0.1203295848
## 831	0.25054753	0.111098857 0.12754410	0.1203295848
## 832	0.25054753	0.111098857 0.12754410	0.1203295848
## 833	0.25054753	0.111098857 0.12754410	0.1203295848
## 834	0.25054753	0.111098857 0.12754410	0.1203295848
## 835	0.25054753	0.111098857 0.12754410	0.1203295848
## 836	0.25054753	0.111098857 0.12754410	0.1203295848
## 837	0.25054753	0.111098857 0.12754410	0.1203295848
## 838	0.25054753	0.111098857 0.12754410	0.1203295848
## 839	0.25054753	0.111098857 0.12754410	0.1203295848
## 840	0.25054753	0.111098857 0.12754410	0.1203295848
## 841	0.25054753	0.111098857 0.12754410	0.1203295848
## 842	0.25054753	0.111098857 0.12754410	0.1203295848
## 843	0.25054753	0.111098857 0.12754410	0.1203295848
## 844	0.25054753	0.111098857 0.12754410	0.1203295848
## 845	0.25054753	0.111098857 0.12754410	0.1203295848
## 846	0.25054753	0.111098857 0.12754410	0.1203295848
## 847	0.25054753	0.111098857 0.12754410	0.1203295848
## 848	0.25054753	0.111098857 0.12754410	0.1203295848
## 849	0.25054753	0.111098857 0.12754410	0.1203295848
## 850	0.25054753	0.111098857 0.12754410	0.1203295848
## 851	0.25054753	0.111098857 0.12754410	0.1203295848
## 852	0.25054753	0.111098857 0.12754410	0.1203295848
## 853	0.09329829	0.098695884 0.13025780	0.0023544325

	854	0.09329829	0.098695884	0.13025780	0.0023544325
	855	0.09329829	0.098695884		0.0023544325
##	856	0.09329829	0.098695884	0.13025780	0.0023544325
##	857	0.09329829	0.098695884	0.13025780	0.0023544325
##	858	0.09329829	0.098695884	0.13025780	0.0023544325
##	859	0.09329829	0.098695884	0.13025780	0.0023544325
##	860	0.09329829	0.098695884	0.13025780	0.0023544325
##	861	0.09329829	0.098695884	0.13025780	0.0023544325
##	862	0.09329829	0.098695884	0.13025780	0.0023544325
##	863	0.09329829	0.098695884	0.13025780	0.0023544325
##	864	0.09329829	0.098695884	0.13025780	0.0023544325
##	865	0.09329829	0.098695884	0.13025780	0.0023544325
##	866	0.09329829	0.098695884	0.13025780	0.0023544325
##	867	0.09329829	0.098695884	0.13025780	0.0023544325
	868	0.09329829	0.098695884		0.0023544325
	869	0.09329829	0.098695884		0.0023544325
	870	0.09329829	0.098695884		0.0023544325
	871	0.09329829	0.098695884		0.0023544325
	872	0.09329829	0.098695884		0.0023544325
	873	0.09329829	0.098695884		0.0023544325
	874	0.09329829	0.098695884		0.0023544325
	875	0.09329829	0.098695884		0.0023544325
	876	0.09329829	0.098695884		0.0023544325
	877	0.09329829	0.098695884		0.0023544325
	878	0.09329829	0.098695884		0.0023544325
	879	0.09329829	0.098695884		0.0023544325
	880	0.09329829	0.098695884		0.0023544325
	881	0.09329829	0.098695884		0.0023544325
	882	0.09329829	0.098695884		0.0023544325
	883	0.09329829	0.098695884		0.0023544325
	884	0.09329829	0.098695884		0.0023544325
	885	0.09329829	0.098695884		0.0023544325
	886	0.09329829	0.098695884		0.0023544325
	887	0.09329829	0.098695884		0.0023544325
	888	0.09329829	0.098695884		0.0023544325
	889	0.09329829	0.098695884		0.0023544325
	890	0.09329829	0.098695884		0.0023544325
	891	0.09329829	0.098695884		0.0023544325
	892	0.09329829	0.098695884		0.0023544325
	893	0.09329829	0.098695884		0.0023544325
	894	0.09329829	0.098695884		0.0023544325
	895	0.09329829	0.098695884		0.0023544325
	896	0.09329829	0.098695884		0.0023544325
	897	0.09329829	0.098695884		0.0023544325
	898	0.09329829	0.098695884		0.0023544325
	899	0.09329829	0.098695884		0.0023544325
	900	0.09329829	0.098695884		0.0023544325
	901	0.09329829	0.098695884		0.0023544325
	902	0.09329829	0.098695884		0.0023544325
	903	0.09329829	0.098695884		0.0023544325
##	203	0.03323023	0.05055064	0.13023/00	0.0023344323

## 904	0.09329829	0.098695884 0.13025780	
## 905	0.09329829	0.098695884 0.13025780	
## 906	0.09329829	0.098695884 0.13025780	
## 907	0.09329829	0.098695884 0.13025780	
## 908	0.09329829	0.098695884 0.13025780	0.0023544325
## 909	0.09329829	0.098695884 0.13025780	0.0023544325
## 910	0.09329829	0.098695884 0.13025780	0.0023544325
## 911	0.09329829	0.098695884 0.13025780	0.0023544325
## 912	0.09329829	0.098695884 0.13025780	0.0023544325
## 913	0.09329829	0.098695884 0.13025780	0.0023544325
## 914	0.09329829	0.098695884 0.13025780	0.0023544325
## 915	0.09329829	0.098695884 0.13025780	0.0023544325
## 916	0.09329829	0.098695884 0.13025780	0.0023544325
## 917	0.09329829	0.098695884 0.13025780	0.0023544325
## 918	0.09329829	0.098695884 0.13025780	0.0023544325
## 919	0.09329829	0.098695884 0.13025780	0.0023544325
## 920	0.09329829	0.098695884 0.13025780	0.0023544325
## 921	0.09329829	0.098695884 0.13025780	0.0023544325
## 922	0.09329829	0.098695884 0.13025780	0.0023544325
## 923	0.09329829	0.098695884 0.13025780	0.0023544325
## 924	0.09329829	0.098695884 0.13025780	0.0023544325
## 925	0.09329829	0.098695884 0.13025780	0.0023544325
## 926	0.09329829	0.098695884 0.13025780	0.0023544325
## 927	0.09329829	0.098695884 0.13025780	0.0023544325
## 928	0.09329829	0.098695884 0.13025780	0.0023544325
## 929	0.09329829	0.098695884 0.13025780	0.0023544325
## 930	0.09329829	0.098695884 0.13025780	0.0023544325
## 931	0.09329829	0.098695884 0.13025780	0.0023544325
## 932	0.09329829	0.098695884 0.13025780	0.0023544325
## 933	0.09329829	0.098695884 0.13025780	0.0023544325
## 934	0.09329829	0.098695884 0.13025780	0.0023544325
## 935	0.09329829	0.098695884 0.13025780	0.0023544325
## 936	0.09329829	0.098695884 0.13025780	0.0023544325
## 937	0.09329829	0.098695884 0.13025780	0.0023544325
## 938	0.09329829	0.098695884 0.13025780	0.0023544325
## 939	0.09329829	0.098695884 0.13025780	0.0023544325
## 940	0.09329829	0.098695884 0.13025780	0.0023544325
## 941	0.09329829	0.098695884 0.13025780	0.0023544325
## 942	0.09329829	0.098695884 0.13025780	0.0023544325
## 943	0.09329829	0.098695884 0.13025780	0.0023544325
## 944	0.09329829	0.098695884 0.13025780	0.0023544325
## 945	0.09329829	0.098695884 0.13025780	0.0023544325
## 946	0.09329829	0.098695884 0.13025780	0.0023544325
## 947	0.09329829	0.098695884 0.13025780	0.0023544325
## 948	0.09329829	0.098695884 0.13025780	0.0023544325
## 949	0.09329829	0.098695884 0.13025780	0.0023544325
## 950	0.09329829	0.098695884 0.13025780	0.0023544325
## 951	0.09329829	0.098695884 0.13025780	0.0023544325
## 952	0.09329829	0.098695884 0.13025780	0.0023544325
## 953	0.09329829	0.098695884 0.13025780	0.0023544325

## 954	0.09329829	0.098695884 0.13025780	0.0023544325
## 955	0.09329829	0.098695884 0.13025780	0.0023544325
## 956	0.09329829	0.098695884 0.13025780	0.0023544325
## 957	0.09329829	0.098695884 0.13025780	0.0023544325
## 958	0.09329829	0.098695884 0.13025780	0.0023544325
## 959	0.09329829	0.098695884 0.13025780	0.0023544325
## 960	0.09329829	0.098695884 0.13025780	0.0023544325
## 961	0.09329829	0.098695884 0.13025780	0.0023544325
## 962	0.09329829	0.098695884 0.13025780	0.0023544325
## 963	0.09329829	0.098695884 0.13025780	0.0023544325
## 964	0.09329829	0.098695884 0.13025780	0.0023544325
## 965	0.09329829	0.098695884 0.13025780	0.0023544325
## 966	0.09329829	0.098695884 0.13025780	0.0023544325
## 967	0.09329829	0.098695884 0.13025780	0.0023544325
## 968	0.09329829	0.098695884 0.13025780	0.0023544325
## 969	0.09329829	0.098695884 0.13025780	0.0023544325
## 970	0.09329829	0.098695884 0.13025780	0.0023544325
## 971	0.09329829	0.098695884 0.13025780	0.0023544325
## 972	0.09329829	0.098695884 0.13025780	0.0023544325
## 973	0.09329829	0.098695884 0.13025780	0.0023544325
## 974	0.09329829	0.098695884 0.13025780	0.0023544325
## 975	0.09329829	0.098695884 0.13025780	0.0023544325
## 976	0.09329829	0.098695884 0.13025780	0.0023544325
## 977	0.09329829	0.098695884 0.13025780	0.0023544325
## 978	0.09329829	0.098695884 0.13025780	0.0023544325
## 979	0.09329829	0.098695884 0.13025780	0.0023544325
## 980	0.09329829	0.098695884 0.13025780	0.0023544325
## 981	0.09329829	0.098695884 0.13025780	0.0023544325
## 982	0.09329829	0.098695884 0.13025780	0.0023544325
## 983	0.09329829	0.098695884 0.13025780	0.0023544325
## 984	0.09329829	0.098695884 0.13025780	0.0023544325
## 985	0.09329829	0.098695884 0.13025780	0.0023544325
## 986	0.42312746	0.104594583 0.13093623	0.1200021851
## 987	0.42312746	0.104594583 0.13093623	0.1200021851
## 988	0.42312746	0.104594583 0.13093623	0.1200021851
## 989	0.42312746	0.104594583 0.13093623	0.1200021851
## 990	0.42312746	0.104594583 0.13093623	0.1200021851
## 991	0.42312746	0.104594583 0.13093623	0.1200021851
## 992	0.42312746	0.104594583 0.13093623	0.1200021851
## 993	0.42312746	0.104594583 0.13093623	0.1200021851
## 994	0.42312746	0.104594583 0.13093623	0.1200021851
## 995	0.42312746	0.104594583 0.13093623	0.1200021851
## 996	0.42312746	0.104594583 0.13093623	0.1200021851
## 997	0.42312746	0.104594583 0.13093623	0.1200021851
## 998	0.42312746	0.104594583 0.13093623	0.1200021851
## 999	0.42312746	0.104594583 0.13093623	0.1200021851
## 1000		0.104594583 0.13093623	0.1200021851
## 1001		0.104594583 0.13093623	0.1200021851
## 1002		0.104594583 0.13093623	0.1200021851
## 1003		0.104594583 0.13093623	0.1200021851
000			

```
## 1004
                            0.104594583 0.13093623
         0.42312746
                                                           0.1200021851
## 1005
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1006
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
         0.42312746
## 1007
                            0.104594583 0.13093623
                                                           0.1200021851
## 1008
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1009
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1010
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1011
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1012
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1013
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1014
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1015
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1016
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1017
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1018
                            0.104594583 0.13093623
                                                           0.1200021851
         0.42312746
## 1019
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1020
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1021
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1022
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1023
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1024
                            0.104594583 0.13093623
         0.42312746
                                                           0.1200021851
## 1025
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1026
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1027
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1028
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1029
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1030
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
                            0.104594583 0.13093623
## 1031
         0.42312746
                                                           0.1200021851
## 1032
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1033
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1034
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1035
                            0.104594583 0.13093623
         0.42312746
                                                           0.1200021851
## 1036
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1037
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1038
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1039
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
                            0.104594583 0.13093623
## 1040
         0.42312746
                                                           0.1200021851
## 1041
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1042
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1043
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1044
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1045
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1046
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1047
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1048
                            0.104594583 0.13093623
         0.42312746
                                                           0.1200021851
                            0.104594583 0.13093623
## 1049
         0.42312746
                                                           0.1200021851
## 1050
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1051
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1052
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1053
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
```

```
## 1054
                            0.104594583 0.13093623
         0.42312746
                                                           0.1200021851
## 1055
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1056
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1057
                            0.104594583 0.13093623
         0.42312746
                                                           0.1200021851
## 1058
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1059
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1060
                            0.104594583 0.13093623
                                                           0.1200021851
         0.42312746
## 1061
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1062
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1063
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1064
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1065
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1066
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1067
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1068
                            0.104594583 0.13093623
                                                           0.1200021851
         0.42312746
## 1069
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1070
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1071
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1072
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1073
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1074
                            0.104594583 0.13093623
         0.42312746
                                                           0.1200021851
## 1075
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1076
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1077
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1078
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1079
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1080
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1081
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1082
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1083
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1084
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1085
                            0.104594583 0.13093623
         0.42312746
                                                           0.1200021851
## 1086
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1087
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1088
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1089
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
                            0.104594583 0.13093623
## 1090
         0.42312746
                                                           0.1200021851
## 1091
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1092
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1093
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1094
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1095
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1096
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1097
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1098
                            0.104594583 0.13093623
         0.42312746
                                                           0.1200021851
                            0.104594583 0.13093623
## 1099
         0.42312746
                                                           0.1200021851
## 1100
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1101
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1102
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
## 1103
         0.42312746
                            0.104594583 0.13093623
                                                           0.1200021851
```

	1104	0.12483574	0.098800329		0.0145982856
##	1105	0.12483574	0.098800329	0.13025780	0.0145982856
##	1106	0.12483574	0.098800329	0.13025780	0.0145982856
##	1107	0.12483574	0.098800329	0.13025780	0.0145982856
##	1108	0.12483574	0.098800329	0.13025780	0.0145982856
##	1109	0.12483574	0.098800329	0.13025780	0.0145982856
##	1110	0.12483574	0.098800329	0.13025780	0.0145982856
##	1111	0.12483574	0.098800329	0.13025780	0.0145982856
##	1112	0.12483574	0.098800329	0.13025780	0.0145982856
##	1113	0.12483574	0.098800329	0.13025780	0.0145982856
##	1114	0.12483574	0.098800329	0.13025780	0.0145982856
##	1115	0.12483574	0.098800329	0.13025780	0.0145982856
##	1116	0.12483574	0.098800329	0.13025780	0.0145982856
##	1117	0.12483574	0.098800329	0.13025780	0.0145982856
##	1118	0.12483574	0.098800329	0.13025780	0.0145982856
##	1119	0.12483574	0.098800329	0.13025780	0.0145982856
##	1120	0.12483574	0.098800329	0.13025780	0.0145982856
##	1121	0.12483574	0.098800329	0.13025780	0.0145982856
##	1122	0.12483574	0.098800329	0.13025780	0.0145982856
##	1123	0.12483574	0.098800329	0.13025780	0.0145982856
##	1124	0.12483574	0.098800329	0.13025780	0.0145982856
##	1125	0.12483574	0.098800329	0.13025780	0.0145982856
##	1126	0.12483574	0.098800329	0.13025780	0.0145982856
##	1127	0.12483574	0.098800329	0.13025780	0.0145982856
##	1128	0.12483574	0.098800329	0.13025780	0.0145982856
##	1129	0.12483574	0.098800329	0.13025780	0.0145982856
##	1130	0.12483574	0.098800329	0.13025780	0.0145982856
##	1131	0.12483574	0.098800329	0.13025780	0.0145982856
##	1132	0.12483574	0.098800329	0.13025780	0.0145982856
##	1133	0.12483574	0.098800329	0.13025780	0.0145982856
##	1134	0.12483574	0.098800329	0.13025780	0.0145982856
##	1135	0.12483574	0.098800329	0.13025780	0.0145982856
##	1136	0.12483574	0.098800329	0.13025780	0.0145982856
##	1137	0.12483574	0.098800329	0.13025780	0.0145982856
##	1138	0.12483574	0.098800329	0.13025780	0.0145982856
	1139	0.12483574	0.098800329		0.0145982856
##	1140	0.12483574	0.098800329		0.0145982856
##	1141	0.12483574	0.098800329	0.13025780	0.0145982856
	1142	0.12483574	0.098800329		0.0145982856
##	1143	0.12483574	0.098800329	0.13025780	0.0145982856
##	1144	0.12483574	0.098800329	0.13025780	0.0145982856
	1145	0.12483574	0.098800329		0.0145982856
	1146	0.12483574	0.098800329		0.0145982856
	1147	0.12483574	0.098800329		0.0145982856
	1148	0.12483574	0.098800329		0.0145982856
	1149	0.12483574	0.098800329		0.0145982856
	1150	0.12483574	0.098800329		0.0145982856
	1151	0.12483574	0.098800329		0.0145982856
	1152	0.12483574	0.098800329		0.0145982856
##	1153	0.12483574	0.098800329	0.13025780	0.0145982856

	1154	0.12483574	0.098800329		0.0145982856
##	1155	0.12483574	0.098800329		0.0145982856
##	1156	0.12483574	0.098800329	0.13025780	0.0145982856
##	1157	0.12483574	0.098800329	0.13025780	0.0145982856
##	1158	0.12483574	0.098800329	0.13025780	0.0145982856
##	1159	0.12483574	0.098800329	0.13025780	0.0145982856
##	1160	0.12483574	0.098800329	0.13025780	0.0145982856
##	1161	0.12483574	0.098800329	0.13025780	0.0145982856
##	1162	0.12483574	0.098800329	0.13025780	0.0145982856
##	1163	0.12483574	0.098800329	0.13025780	0.0145982856
##	1164	0.12483574	0.098800329	0.13025780	0.0145982856
##	1165	0.12483574	0.098800329	0.13025780	0.0145982856
##	1166	0.12483574	0.098800329	0.13025780	0.0145982856
##	1167	0.12483574	0.098800329	0.13025780	0.0145982856
##	1168	0.12483574	0.098800329	0.13025780	0.0145982856
##	1169	0.12483574	0.098800329	0.13025780	0.0145982856
##	1170	0.12483574	0.098800329	0.13025780	0.0145982856
##	1171	0.12483574	0.098800329	0.13025780	0.0145982856
##	1172	0.12483574	0.098800329	0.13025780	0.0145982856
##	1173	0.12483574	0.098800329	0.13025780	0.0145982856
##	1174	0.12483574	0.098800329	0.13025780	0.0145982856
##	1175	0.12483574	0.098800329	0.13025780	0.0145982856
##	1176	0.12483574	0.098800329	0.13025780	0.0145982856
##	1177	0.12483574	0.098800329	0.13025780	0.0145982856
##	1178	0.12483574	0.098800329	0.13025780	0.0145982856
##	1179	0.12483574	0.098800329	0.13025780	0.0145982856
##	1180	0.12483574	0.098800329	0.13025780	0.0145982856
##	1181	0.12483574	0.098800329	0.13025780	0.0145982856
##	1182	0.12483574	0.098800329	0.13025780	0.0145982856
##	1183	0.12483574	0.098800329	0.13025780	0.0145982856
##	1184	0.12483574	0.098800329	0.13025780	0.0145982856
##	1185	0.12483574	0.098800329	0.13025780	0.0145982856
##	1186	0.12483574	0.098800329	0.13025780	0.0145982856
##	1187	0.12483574	0.098800329	0.13025780	0.0145982856
##	1188	0.12483574	0.098800329	0.13025780	0.0145982856
##	1189	0.12483574	0.098800329	0.13025780	0.0145982856
##	1190	0.12483574	0.098800329	0.13025780	0.0145982856
##	1191	0.12483574	0.098800329	0.13025780	0.0145982856
##	1192	0.12483574	0.098800329	0.13025780	0.0145982856
##	1193	0.12483574	0.098800329	0.13025780	0.0145982856
##	1194	0.12483574	0.098800329	0.13025780	0.0145982856
##	1195	0.12483574	0.098800329	0.13025780	0.0145982856
##	1196	0.12483574	0.098800329		0.0145982856
##	1197	0.12483574	0.098800329	0.13025780	0.0145982856
##	1198	0.12483574	0.098800329		0.0145982856
##	1199	0.12483574	0.098800329	0.13025780	0.0145982856
##	1200	0.12483574	0.098800329	0.13025780	0.0145982856
##	1201	0.12483574	0.098800329	0.13025780	0.0145982856
##	1202	0.12483574	0.098800329	0.13025780	0.0145982856
##	1203	0.12483574	0.098800329	0.13025780	0.0145982856

##	1204	0.12483574	0.098800329		0.0145982856
##	1205	0.12483574	0.098800329	0.13025780	0.0145982856
##	1206	0.12483574	0.098800329	0.13025780	0.0145982856
##	1207	0.12483574	0.098800329	0.13025780	0.0145982856
##	1208	0.12483574	0.098800329	0.13025780	0.0145982856
##	1209	0.12483574	0.098800329	0.13025780	0.0145982856
##	1210	0.12483574	0.098800329	0.13025780	0.0145982856
##	1211	0.12483574	0.098800329	0.13025780	0.0145982856
##	1212	0.12483574	0.098800329	0.13025780	0.0145982856
##	1213	0.12483574	0.098800329	0.13025780	0.0145982856
##	1214	0.12483574	0.098800329	0.13025780	0.0145982856
##	1215	0.12483574	0.098800329	0.13025780	0.0145982856
##	1216	0.12483574	0.098800329	0.13025780	0.0145982856
##	1217	0.12483574	0.098800329	0.13025780	0.0145982856
##	1218	0.12483574	0.098800329	0.13025780	0.0145982856
##	1219	0.12483574	0.098800329	0.13025780	0.0145982856
##	1220	0.12483574	0.098800329	0.13025780	0.0145982856
##	1221	0.12483574	0.098800329	0.13025780	0.0145982856
##	1222	0.12483574	0.098800329	0.13025780	0.0145982856
##	1223	0.12483574	0.098800329	0.13025780	0.0145982856
##	1224	0.12483574	0.098800329	0.13025780	0.0145982856
##	1225	0.12483574	0.098800329	0.13025780	0.0145982856
##	1226	0.12483574	0.098800329	0.13025780	0.0145982856
##	1227	0.12483574	0.098800329	0.13025780	0.0145982856
##	1228	0.12483574	0.098800329	0.13025780	0.0145982856
##	1229	0.12483574	0.098800329	0.13025780	0.0145982856
##	1230	0.12483574	0.098800329	0.13025780	0.0145982856
##	1231	0.12483574	0.098800329	0.13025780	0.0145982856
##	1232	0.12483574	0.098800329	0.13025780	0.0145982856
##	1233	0.12483574	0.098800329	0.13025780	0.0145982856
##	1234	0.12483574	0.098800329	0.13025780	0.0145982856
##	1235	0.12483574	0.098800329	0.13025780	0.0145982856
##	1236	0.12483574	0.098800329	0.13025780	0.0145982856
##	1237	0.12483574	0.098800329	0.13025780	0.0145982856
##	1238	0.12483574	0.098800329	0.13025780	0.0145982856
##	1239	0.12483574	0.098800329	0.13025780	0.0145982856
##	1240	0.12483574	0.098800329	0.13025780	0.0145982856
##	1241	0.12483574	0.098800329	0.13025780	0.0145982856
##	1242	0.12483574	0.098800329	0.13025780	0.0145982856
##	1243	0.12483574	0.098800329	0.13025780	0.0145982856
##	1244	0.12483574	0.098800329	0.13025780	0.0145982856
##	1245	0.12483574	0.098800329	0.13025780	0.0145982856
##	1246	0.12483574	0.098800329	0.13025780	0.0145982856
##	1247	0.12483574	0.098800329	0.13025780	0.0145982856
##	1248	0.12483574	0.098800329	0.13025780	0.0145982856
##	1249	0.12483574	0.098800329	0.13025780	0.0145982856
##	1250	0.12483574	0.098800329	0.13025780	0.0145982856
##	1251	0.12483574	0.098800329	0.13025780	0.0145982856
##	1252	0.12483574	0.098800329	0.13025780	0.0145982856
##	1253	0.12483574	0.098800329	0.13025780	0.0145982856

	1254	0.12483574	0.098800329		0.0145982856
	1255	0.12483574	0.098800329		0.0145982856
	1256	0.12483574	0.098800329		0.0145982856
##	1257	0.12483574	0.098800329	0.13025780	0.0145982856
##	1258	0.12483574	0.098800329	0.13025780	0.0145982856
##	1259	0.12483574	0.098800329	0.13025780	0.0145982856
##	1260	0.12483574	0.098800329	0.13025780	0.0145982856
##	1261	0.12483574	0.098800329	0.13025780	0.0145982856
##	1262	0.12483574	0.098800329	0.13025780	0.0145982856
##	1263	0.12483574	0.098800329	0.13025780	0.0145982856
##	1264	0.12483574	0.098800329	0.13025780	0.0145982856
##	1265	0.12483574	0.098800329	0.13025780	0.0145982856
##	1266	0.12483574	0.098800329	0.13025780	0.0145982856
##	1267	0.12483574	0.098800329	0.13025780	0.0145982856
##	1268	0.12483574	0.098800329	0.13025780	0.0145982856
##	1269	0.12483574	0.098800329	0.13025780	0.0145982856
##	1270	0.12483574	0.098800329	0.13025780	0.0145982856
##	1271	0.12483574	0.098800329	0.13025780	0.0145982856
##	1272	0.12483574	0.098800329	0.13025780	0.0145982856
##	1273	0.12483574	0.098800329	0.13025780	0.0145982856
##	1274	0.12483574	0.098800329	0.13025780	0.0145982856
##	1275	0.12483574	0.098800329	0.13025780	0.0145982856
##	1276	0.12483574	0.098800329	0.13025780	0.0145982856
##	1277	0.12483574	0.098800329	0.13025780	0.0145982856
##	1278	0.12483574	0.098800329	0.13025780	0.0145982856
##	1279	0.12483574	0.098800329	0.13025780	0.0145982856
##	1280	0.12483574	0.098800329	0.13025780	0.0145982856
##	1281	0.12483574	0.098800329	0.13025780	0.0145982856
##	1282	0.12483574	0.098800329	0.13025780	0.0145982856
##	1283	0.21813403	0.110395393	0.12844867	0.1249934844
##	1284	0.21813403	0.110395393	0.12844867	0.1249934844
##	1285	0.21813403	0.110395393	0.12844867	0.1249934844
##	1286	0.21813403	0.110395393	0.12844867	0.1249934844
##	1287	0.21813403	0.110395393	0.12844867	0.1249934844
##	1288	0.21813403	0.110395393	0.12844867	0.1249934844
##	1289	0.21813403	0.110395393	0.12844867	0.1249934844
##	1290	0.21813403	0.110395393	0.12844867	0.1249934844
##	1291	0.21813403	0.110395393	0.12844867	0.1249934844
##	1292	0.21813403	0.110395393	0.12844867	0.1249934844
##	1293	0.21813403	0.110395393	0.12844867	0.1249934844
##	1294	0.21813403	0.110395393	0.12844867	0.1249934844
##	1295	0.21813403	0.110395393	0.12844867	0.1249934844
##	1296	0.21813403	0.110395393	0.12844867	0.1249934844
##	1297	0.21813403	0.110395393	0.12844867	0.1249934844
##	1298	0.21813403	0.110395393	0.12844867	0.1249934844
##	1299	0.21813403	0.110395393	0.12844867	0.1249934844
##	1300	0.21813403	0.110395393	0.12844867	0.1249934844
##	1301	0.21813403	0.110395393	0.12844867	0.1249934844
##	1302	0.21813403	0.110395393	0.12844867	0.1249934844
##	1303	0.21813403	0.110395393	0.12844867	0.1249934844

## 1304					
## 1306	## 1304	0.21813403	0.110395393	0.12844867	0.1249934844
## 1307 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1310 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1310 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1311 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1312 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1313 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1313 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1313 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1315 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1316 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1316 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1318 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1318 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1310 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1310 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1320 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1320 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1320 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1320 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1320 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1320 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1322 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1324 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1328 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1328 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1328 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1332 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1332 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1330 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1330 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1331 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1330 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1330 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1330 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1331 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1330 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1330 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1330 0.1	## 1305	0.21813403	0.110395393	0.12844867	0.1249934844
## 1308	## 1306	0.21813403	0.110395393	0.12844867	0.1249934844
## 1300	## 1307	0.21813403	0.110395393	0.12844867	0.1249934844
## 1310	## 1308	0.21813403	0.110395393	0.12844867	0.1249934844
## 1311	## 1309	0.21813403	0.110395393	0.12844867	0.1249934844
## 1312	## 1310	0.21813403	0.110395393	0.12844867	0.1249934844
## 1313	## 1311	0.21813403	0.110395393	0.12844867	0.1249934844
## 1314	## 1312	0.21813403	0.110395393	0.12844867	0.1249934844
## 1315	## 1313	0.21813403	0.110395393	0.12844867	0.1249934844
## 1316	## 1314	0.21813403	0.110395393	0.12844867	0.1249934844
## 1317 0.21813403 0.110395393 0.12844867 0.1249934844 ## 1318 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1320 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1321 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1322 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1323 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1324 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1325 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1326 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1327 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1328 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1329 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1329 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1329 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1331 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1332 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1331 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1332 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1333 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1334 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1335 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1336 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1337 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1338 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1339 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1339 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1331 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1335 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1336 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1337 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1340 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1341 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1342 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1343 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1344 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.1	## 1315	0.21813403	0.110395393	0.12844867	0.1249934844
## 1318	## 1316	0.21813403	0.110395393	0.12844867	0.1249934844
## 1319	## 1317	0.21813403	0.110395393	0.12844867	0.1249934844
## 1320	## 1318	0.10687692	0.100489682	0.13342379	0.0235362074
## 1321	## 1319	0.10687692	0.100489682	0.13342379	0.0235362074
## 1322	## 1320	0.10687692	0.100489682	0.13342379	0.0235362074
## 1323	## 1321	0.10687692	0.100489682	0.13342379	0.0235362074
## 1324	## 1322	0.10687692	0.100489682	0.13342379	0.0235362074
## 1325	## 1323	0.10687692	0.100489682	0.13342379	0.0235362074
## 1326	## 1324	0.10687692	0.100489682	0.13342379	0.0235362074
## 1327	## 1325	0.10687692	0.100489682	0.13342379	0.0235362074
## 1328	## 1326	0.10687692	0.100489682	0.13342379	0.0235362074
## 1329	## 1327	0.10687692	0.100489682	0.13342379	0.0235362074
## 1330	## 1328	0.10687692	0.100489682	0.13342379	0.0235362074
## 1331	## 1329	0.10687692	0.100489682	0.13342379	0.0235362074
## 1332	## 1330	0.10687692	0.100489682	0.13342379	0.0235362074
## 1333	## 1331	0.10687692	0.100489682	0.13342379	0.0235362074
## 1334	## 1332	0.10687692	0.100489682	0.13342379	0.0235362074
## 1335	## 1333	0.10687692	0.100489682	0.13342379	0.0235362074
## 1336 0.10687692 0.100489682 0.13342379 0.0235362074 ## 1337 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1338 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1340 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1341 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1342 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1343 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1344 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1345 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1346 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1347 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1348 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1350 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733	## 1334	0.10687692	0.100489682	0.13342379	0.0235362074
## 1337 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1338 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1339 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1340 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1341 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1342 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1343 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1344 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1345 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1346 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1347 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1348 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1350 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733	## 1335	0.10687692	0.100489682	0.13342379	0.0235362074
## 1338	## 1336	0.10687692	0.100489682	0.13342379	0.0235362074
## 1339	## 1337	0.14761279	0.097369625	0.12618725	0.0693600733
## 1340	## 1338	0.14761279	0.097369625	0.12618725	0.0693600733
## 1341 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1342 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1343 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1344 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1345 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1346 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1347 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1348 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1350 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733	## 1339	0.14761279	0.097369625	0.12618725	0.0693600733
## 1342	## 1340	0.14761279	0.097369625	0.12618725	0.0693600733
## 1343	## 1341	0.14761279	0.097369625	0.12618725	0.0693600733
## 1344 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1345 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1346 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1347 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1348 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1350 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733	## 1342	0.14761279	0.097369625	0.12618725	0.0693600733
## 1345	## 1343	0.14761279	0.097369625	0.12618725	0.0693600733
## 1346 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1347 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1348 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1350 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733	## 1344	0.14761279	0.097369625	0.12618725	0.0693600733
## 1347 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1348 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1349 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1350 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733	## 1345	0.14761279	0.097369625	0.12618725	0.0693600733
## 1348	## 1346	0.14761279	0.097369625	0.12618725	0.0693600733
## 1349	## 1347	0.14761279	0.097369625	0.12618725	0.0693600733
## 1350 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733	## 1348	0.14761279	0.097369625	0.12618725	0.0693600733
## 1351 0.14761279 0.097369625 0.12618725 0.0693600733 ## 1352 0.14761279 0.097369625 0.12618725 0.0693600733	## 1349	0.14761279	0.097369625	0.12618725	0.0693600733
## 1352	## 1350	0.14761279	0.097369625	0.12618725	0.0693600733
	## 1351	0.14761279	0.097369625	0.12618725	0.0693600733
## 1353	## 1352	0.14761279	0.097369625	0.12618725	0.0693600733
	## 1353	0.14761279	0.097369625	0.12618725	0.0693600733

## 1354	0.14761279	0.097369625 0.12618725	0.0693600733
## 1355	0.14761279	0.097369625 0.12618725	0.0693600733
## 1356	0.14761279	0.097369625 0.12618725	0.0693600733
## 1357	0.14761279	0.097369625 0.12618725	0.0693600733
## 1358	0.09286027	0.098798085 0.13025780	0.0031656539
## 1359	0.09286027	0.098798085 0.13025780	0.0031656539
## 1360	0.09286027	0.098798085 0.13025780	0.0031656539
## 1361	0.09286027	0.098798085 0.13025780	0.0031656539
## 1362	0.09286027	0.098798085 0.13025780	0.0031656539
## 1363	0.09286027	0.098798085 0.13025780	0.0031656539
## 1364	0.09286027	0.098798085 0.13025780	0.0031656539
## 1365	0.09286027	0.098798085 0.13025780	0.0031656539
## 1366	0.09286027	0.098798085 0.13025780	0.0031656539
## 1367	0.09286027	0.098798085 0.13025780	0.0031656539
## 1368	0.09286027	0.098798085 0.13025780	0.0031656539
## 1369	0.09286027	0.098798085 0.13025780	0.0031656539
## 1370	0.09286027	0.098798085 0.13025780	0.0031656539
## 1371	0.09286027	0.098798085 0.13025780	0.0031656539
## 1372	0.20762155	0.143113819 0.18701945	0.1576755214
## 1373	0.20762155	0.143113819 0.18701945	0.1576755214
## 1374	0.20762155	0.143113819 0.18701945	0.1576755214
## 1375	0.20762155	0.143113819 0.18701945	0.1576755214
## 1376	0.20762155	0.143113819 0.18701945	0.1576755214
## 1377	0.20762155	0.143113819 0.18701945	0.1576755214
## 1378	0.09373631	0.098630079 0.13025780	0.0039392592
## 1379	0.09373631	0.098630079 0.13025780	0.0039392592
## 1380	0.09373631	0.098630079 0.13025780	0.0039392592
## 1381	0.09373631	0.098630079 0.13025780	0.0039392592
## 1382	0.09373631	0.098630079 0.13025780	0.0039392592
## 1383	0.09373631	0.098630079 0.13025780	0.0039392592
## 1384	0.09373631	0.098630079 0.13025780	0.0039392592
## 1385	0.09373631	0.098630079 0.13025780	0.0039392592
## 1386	0.09373631	0.098630079 0.13025780	0.0039392592
## 1387	0.09373631	0.098630079 0.13025780	0.0039392592
## 1388	0.09373631	0.098630079 0.13025780	0.0039392592
## 1389	0.09373631	0.098630079 0.13025780	0.0039392592
## 1390	0.09373631	0.098630079 0.13025780	0.0039392592
## 1391	0.09373631	0.098630079 0.13025780	0.0039392592
## 1392	0.09373631	0.098630079 0.13025780	0.0039392592
## 1393	0.09373631	0.098630079 0.13025780	0.0039392592
## 1394	0.09373631	0.098630079 0.13025780	0.0039392592
## 1395	0.09373631	0.098630079 0.13025780	0.0039392592
## 1396	0.09373631	0.098630079 0.13025780	0.0039392592
## 1397	0.09373631	0.098630079 0.13025780	0.0039392592
## 1398	0.09373631	0.098630079 0.13025780	0.0039392592
## 1399	0.09373631	0.098630079 0.13025780	0.0039392592
## 1400	0.09373631	0.098630079 0.13025780	0.0039392592
## 1401	0.09373631	0.098630079 0.13025780	0.0039392592
## 1402	0.09373631	0.098630079 0.13025780	0.0039392592
## 1403	0.09373631	0.098630079 0.13025780	0.0039392592

```
## 1404
                            0.098630079 0.13025780
         0.09373631
                                                           0.0039392592
## 1405
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1406
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1407
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1408
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1409
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
                                                           0.0039392592
## 1410
         0.09373631
                            0.098630079 0.13025780
## 1411
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1412
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1413
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1414
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1415
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1416
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1417
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1418
                            0.098630079 0.13025780
                                                           0.0039392592
         0.09373631
## 1419
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1420
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1421
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1422
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1423
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1424
                            0.098630079 0.13025780
         0.09373631
                                                           0.0039392592
## 1425
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1426
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1427
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1428
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1429
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1430
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1431
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1432
         0.09373631
                            0.098630079 0.13025780
                                                           0.0039392592
## 1433
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1434
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1435
                            0.069568784 0.12234283
         0.27420061
                                                           0.4305017936
## 1436
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1437
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1438
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1439
                                                           0.4305017936
         0.27420061
                            0.069568784 0.12234283
## 1440
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1441
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1442
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1443
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1444
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1445
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1446
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1447
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1448
                                                           0.4305017936
         0.27420061
                            0.069568784 0.12234283
## 1449
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1450
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1451
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1452
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1453
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
```

```
## 1454
                            0.069568784 0.12234283
         0.27420061
                                                           0.4305017936
## 1455
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1456
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1457
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1458
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1459
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1460
                                                           0.4305017936
         0.27420061
                            0.069568784 0.12234283
## 1461
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1462
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1463
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1464
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1465
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
                                                           0.4305017936
## 1466
                            0.069568784 0.12234283
         0.27420061
## 1467
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1468
                            0.069568784 0.12234283
                                                           0.4305017936
         0.27420061
## 1469
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1470
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1471
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1472
         0.27420061
                            0.069568784 0.12234283
                                                           0.4305017936
## 1473
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1474
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1475
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1476
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1477
                            0.102096803 0.12347354
                                                           0.1872926294
         0.21857205
## 1478
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1479
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1480
                            0.102096803 0.12347354
                                                           0.1872926294
         0.21857205
## 1481
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1482
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1483
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1484
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
                            0.102096803 0.12347354
## 1485
         0.21857205
                                                           0.1872926294
## 1486
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1487
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1488
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1489
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
                            0.102096803 0.12347354
## 1490
         0.21857205
                                                           0.1872926294
## 1491
                            0.102096803 0.12347354
                                                           0.1872926294
         0.21857205
## 1492
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1493
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1494
                            0.102096803 0.12347354
                                                           0.1872926294
         0.21857205
## 1495
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
                                                           0.1872926294
## 1496
         0.21857205
                            0.102096803 0.12347354
## 1497
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1498
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1499
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1500
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1501
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1502
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
## 1503
         0.21857205
                            0.102096803 0.12347354
                                                           0.1872926294
```

## 1504	0.21857205	0.102096803		0.1872926294
## 1505	0.21857205	0.102096803		0.1872926294
## 1506	0.21857205	0.102096803		0.1872926294
## 1507	0.44021025	0.094692438		0.3511638330
## 1508	0.44021025	0.094692438	0.12777024	0.3511638330
## 1509	0.44021025	0.094692438	0.12777024	0.3511638330
## 1510	0.44021025	0.094692438	0.12777024	0.3511638330
## 1511	0.44021025	0.094692438	0.12777024	0.3511638330
## 1512	0.44021025	0.094692438	0.12777024	0.3511638330
## 1513	0.44021025	0.094692438	0.12777024	0.3511638330
## 1514	0.44021025	0.094692438	0.12777024	0.3511638330
## 1515	0.44021025	0.094692438	0.12777024	0.3511638330
## 1516	0.44021025	0.094692438	0.12777024	0.3511638330
## 1517	0.44021025	0.094692438	0.12777024	0.3511638330
## 1518	0.44021025	0.094692438	0.12777024	0.3511638330
## 1519	0.44021025	0.094692438	0.12777024	0.3511638330
## 1520	0.44021025	0.094692438	0.12777024	0.3511638330
## 1521	0.44021025	0.094692438	0.12777024	0.3511638330
## 1522	0.44021025	0.094692438	0.12777024	0.3511638330
## 1523	0.44021025	0.094692438	0.12777024	0.3511638330
## 1524	0.44021025	0.094692438	0.12777024	0.3511638330
## 1525	0.44021025	0.094692438	0.12777024	0.3511638330
## 1526	0.44021025	0.094692438	0.12777024	0.3511638330
## 1527	0.44021025	0.094692438	0.12777024	0.3511638330
## 1528	0.44021025	0.094692438	0.12777024	0.3511638330
## 1529	0.44021025	0.094692438	0.12777024	0.3511638330
## 1530	0.44021025	0.094692438	0.12777024	0.3511638330
## 1531	0.44021025	0.094692438	0.12777024	0.3511638330
## 1532	0.44021025	0.094692438	0.12777024	0.3511638330
## 1533	0.44021025	0.094692438	0.12777024	0.3511638330
## 1534	0.44021025	0.094692438	0.12777024	0.3511638330
## 1535	0.44021025	0.094692438	0.12777024	0.3511638330
## 1536	0.44021025	0.094692438	0.12777024	0.3511638330
## 1537	0.44021025	0.094692438	0.12777024	0.3511638330
## 1538	0.44021025	0.094692438	0.12777024	0.3511638330
## 1539	0.44021025	0.094692438	0.12777024	0.3511638330
## 1540	0.44021025	0.094692438	0.12777024	0.3511638330
## 1541	0.44021025	0.094692438	0.12777024	0.3511638330
## 1542	0.44021025	0.094692438	0.12777024	0.3511638330
## 1543	0.44021025	0.094692438	0.12777024	0.3511638330
## 1544	0.44021025	0.094692438	0.12777024	0.3511638330
## 1545	0.44021025	0.094692438	0.12777024	0.3511638330
## 1546	0.44021025	0.094692438	0.12777024	0.3511638330
## 1547	0.44021025	0.094692438	0.12777024	0.3511638330
## 1548	0.44021025	0.094692438	0.12777024	0.3511638330
## 1549	0.44021025	0.094692438	0.12777024	0.3511638330
## 1550	0.44021025	0.094692438	0.12777024	0.3511638330
## 1551	0.44021025	0.094692438	0.12777024	0.3511638330
## 1552	0.44021025	0.094692438	0.12777024	0.3511638330
## 1553	0.44021025	0.094692438	0.12777024	0.3511638330

## 15	554 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	555 6		0.094692438		0.3511638330
## 15	556 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	557 (0.44021025	0.094692438	0.12777024	0.3511638330
## 15	558 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	559 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	560 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	561 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	562 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	563 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	564 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	565 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	566 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	567 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	568 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	569 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	570 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	571 (0.44021025	0.094692438	0.12777024	0.3511638330
## 15	572 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	573 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	574 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	575 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	576 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	577 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	578 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	579 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	580 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	581 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	582 6	0.44021025	0.094692438	0.12777024	0.3511638330
## 15	583 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	584 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	585 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	586 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	587 (0.15900131	0.099787310	0.13025780	0.0504907650
## 15	588 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	589 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	590 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	591 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	592 6		0.099787310		0.0504907650
## 15	593 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	594 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	595 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	596		0.099787310		0.0504907650
## 15	597 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 15	598 6		0.099787310		0.0504907650
## 15	599 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 16	600 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 16	601 6	0.15900131	0.099787310	0.13025780	0.0504907650
## 16			0.099787310	0.13025780	0.0504907650
## 16	603 6	0.15900131	0.099787310	0.13025780	0.0504907650

```
## 1604
                            0.099787310 0.13025780
         0.15900131
                                                           0.0504907650
## 1605
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1606
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1607
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1608
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1609
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1610
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1611
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1612
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1613
                            0.099787310 0.13025780
         0.15900131
                                                           0.0504907650
## 1614
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1615
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1616
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1617
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1618
                            0.099787310 0.13025780
         0.15900131
                                                           0.0504907650
## 1619
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1620
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1621
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1622
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1623
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
                            0.099787310 0.13025780
## 1624
         0.15900131
                                                           0.0504907650
## 1625
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1626
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1627
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1628
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1629
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1630
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1631
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1632
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1633
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1634
         0.15900131
                            0.099787310 0.13025780
                                                           0.0504907650
## 1635
                            0.099787310 0.13025780
         0.15900131
                                                           0.0504907650
## 1636
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1637
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1638
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1639
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
         0.09943057
## 1640
                            0.098671768 0.13025780
                                                           0.0038270495
## 1641
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1642
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1643
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1644
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1645
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1646
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1647
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1648
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1649
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1650
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1651
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1652
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1653
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
```

## 1654	0.09943057	0.098671768		0.0038270495
## 1655	0.09943057	0.098671768		0.0038270495
## 1656	0.09943057	0.098671768		0.0038270495
## 1657	0.09943057	0.098671768		0.0038270495
## 1658	0.09943057	0.098671768		0.0038270495
## 1659	0.09943057	0.098671768		0.0038270495
## 1660	0.09943057	0.098671768		0.0038270495
## 1661	0.09943057	0.098671768		0.0038270495
## 1662	0.09943057	0.098671768		0.0038270495
## 1663	0.09943057	0.098671768		0.0038270495
## 1664	0.09943057	0.098671768		0.0038270495
## 1665	0.09943057	0.098671768		0.0038270495
## 1666	0.09943057	0.098671768		0.0038270495
## 1667	0.09943057	0.098671768	0.13025780	0.0038270495
## 1668	0.09943057	0.098671768	0.13025780	0.0038270495
## 1669	0.09943057	0.098671768	0.13025780	0.0038270495
## 1670	0.09943057	0.098671768	0.13025780	0.0038270495
## 1671	0.09943057	0.098671768	0.13025780	0.0038270495
## 1672	0.09943057	0.098671768	0.13025780	0.0038270495
## 1673	0.09943057	0.098671768		0.0038270495
## 1674	0.09943057	0.098671768	0.13025780	0.0038270495
## 1675	0.09943057	0.098671768	0.13025780	0.0038270495
## 1676	0.09943057	0.098671768	0.13025780	0.0038270495
## 1677	0.09943057	0.098671768	0.13025780	0.0038270495
## 1678	0.09943057	0.098671768	0.13025780	0.0038270495
## 1679	0.09943057	0.098671768	0.13025780	0.0038270495
## 1680	0.09943057	0.098671768	0.13025780	0.0038270495
## 1681	0.09943057	0.098671768	0.13025780	0.0038270495
## 1682	0.09943057	0.098671768	0.13025780	0.0038270495
## 1683	0.09943057	0.098671768		0.0038270495
## 1684	0.09943057	0.098671768		0.0038270495
## 1685	0.09943057	0.098671768		0.0038270495
## 1686	0.09943057	0.098671768	0.13025780	0.0038270495
## 1687	0.09943057	0.098671768		0.0038270495
## 1688	0.09943057	0.098671768		0.0038270495
## 1689	0.09943057	0.098671768		0.0038270495
## 1690	0.09943057	0.098671768	0.13025780	0.0038270495
## 1691	0.09943057	0.098671768	0.13025780	0.0038270495
## 1692	0.09943057	0.098671768	0.13025780	0.0038270495
## 1693	0.09943057	0.098671768	0.13025780	0.0038270495
## 1694	0.09943057	0.098671768		0.0038270495
## 1695	0.09943057	0.098671768		0.0038270495
## 1696	0.09943057	0.098671768	0.13025780	0.0038270495
## 1697	0.09943057	0.098671768		0.0038270495
## 1698	0.09943057	0.098671768		0.0038270495
## 1699	0.09943057	0.098671768		0.0038270495
## 1700	0.09943057	0.098671768		0.0038270495
## 1701	0.09943057	0.098671768		0.0038270495
## 1702	0.09943057	0.098671768		0.0038270495
## 1703	0.09943057	0.098671768	0.13025780	0.0038270495

```
## 1704
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1705
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1706
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1707
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1708
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1709
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1710
                                                           0.0038270495
         0.09943057
                            0.098671768 0.13025780
## 1711
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1712
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1713
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1714
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1715
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1716
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1717
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1718
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1719
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1720
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1721
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1722
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1723
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1724
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1725
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1726
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1727
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1728
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1729
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1730
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1731
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1732
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1733
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1734
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1735
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1736
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1737
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1738
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1739
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
         0.09943057
## 1740
                            0.098671768 0.13025780
                                                           0.0038270495
## 1741
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1742
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1743
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1744
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1745
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1746
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1747
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1748
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1749
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1750
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1751
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1752
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1753
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
```

```
## 1754
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1755
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1756
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1757
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1758
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1759
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1760
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1761
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1762
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1763
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1764
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1765
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1766
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1767
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1768
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1769
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1770
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1771
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1772
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1773
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1774
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1775
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1776
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1777
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1778
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1779
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1780
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1781
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1782
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1783
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1784
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1785
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1786
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1787
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1788
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1789
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1790
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1791
                            0.098671768 0.13025780
         0.09943057
                                                           0.0038270495
## 1792
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1793
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1794
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1795
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1796
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1797
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1798
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1799
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1800
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1801
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1802
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
## 1803
         0.09943057
                            0.098671768 0.13025780
                                                           0.0038270495
```

```
## 1804
                            0.098671768 0.13025780
         0.09943057
                                                          0.0038270495
## 1805
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1806
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1807
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1808
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1809
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1810
                                                          0.0038270495
         0.09943057
                            0.098671768 0.13025780
## 1811
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1812
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1813
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
         0.09943057
## 1814
                            0.098671768 0.13025780
                                                          0.0038270495
## 1815
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1816
                            0.098671768 0.13025780
         0.09943057
                                                          0.0038270495
## 1817
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1818
                            0.098671768 0.13025780
         0.09943057
                                                          0.0038270495
## 1819
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1820
         0.09943057
                            0.098671768 0.13025780
                                                          0.0038270495
## 1821
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1822
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1823
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1824
                            0.098594129 0.13025780
                                                          0.0073379960
         0.10337276
## 1825
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1826
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1827
                            0.098594129 0.13025780
                                                          0.0073379960
         0.10337276
## 1828
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1829
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1830
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1831
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1832
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1833
                            0.098594129 0.13025780
                                                          0.0073379960
         0.10337276
## 1834
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1835
                            0.098594129 0.13025780
         0.10337276
                                                          0.0073379960
## 1836
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1837
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1838
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1839
                            0.098594129 0.13025780
         0.10337276
                                                          0.0073379960
                            0.098594129 0.13025780
## 1840
         0.10337276
                                                          0.0073379960
## 1841
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1842
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1843
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1844
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1845
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1846
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1847
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1848
                            0.098594129 0.13025780
         0.10337276
                                                          0.0073379960
## 1849
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1850
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
## 1851
         0.10337276
                            0.098594129 0.13025780
                                                          0.0073379960
##
                 X0.1
                              X0.2
                                           X0.3
                                                        X0.4
                                                                      X0.5
## 1
```

```
## 2
     ## 3
     0.0029901751 0.0000000000 0.001869159 0.0032051282 0.3956458636
## 4
     0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 5
     ## 6
     ## 7
     0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 8
     ## 9
     ## 10
     ## 11
     0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 12
     ## 13
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
 14
     ## 15
     0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
     0.0012815036 0.0000000000 0.001869159 0.0009157509 0.3956458636
## 16
## 17
     ## 18
     0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 19
     ## 20
     ## 21
     0.0328919265 0.0221260221 0.019314642 0.0338827839 0.4008708273
## 22
     0.0025630073 0.0000000000 0.000623053 0.0027472527 0.3962264151
## 23
     ## 24
     ##
 25
     ##
 26
     0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
##
 27
     0.0123878684 0.0014430014 0.006853583 0.0114468864 0.3941944848
## 28
     0.0012815036 0.0004810005 0.001246106 0.0013736264 0.3962264151
##
 29
     0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 30
     0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 31
     ##
 32
     0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 33
     ##
 34
     0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
##
 35
     ##
 36
     37
     ##
     0.0034173430 0.0038480038 0.000000000 0.0036630037 0.3988388970
## 38
## 39
     0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 40
     0.0012815036 0.0004810005 0.001246106 0.0009157509 0.3962264151
## 41
     0.0004271679 0.0000000000 0.000623053 0.0000000000 0.3962264151
## 42
     ## 43
     0.0081161897 0.0004810005 0.011214953 0.0082417582 0.3915820029
## 44
     ## 45
     0.0162323793 0.0014430014 0.011214953 0.0151098901 0.3921625544
## 46
## 47
     ## 48
     0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
     ## 49
## 50
     0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 51
     0.0021358394 0.0000000000 0.000000000 0.0022893773 0.3965166909
```

```
## 52
      0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 53
      0.0021358394 0.0019240019 0.000623053 0.0009157509 0.3973875181
## 54
      ## 55
## 56
      ## 57
      ## 58
      ##
 59
      0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 60
      ## 61
      0.0294745835 0.0168350168 0.021183801 0.0297619048 0.3968069666
## 62
      0.0068346860 0.0052910053 0.003115265 0.0013736264 0.3982583454
      0.0072618539 0.0000000000 0.010591900 0.0077838828 0.3915820029
## 63
##
 64
      0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 65
      0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
      0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 66
## 67
      0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
##
 68
      ## 69
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
 70
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
 71
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
 72
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
##
 73
      0.0025630073 0.0028860029 0.000000000 0.0000000000 0.3982583454
##
 74
      ##
 75
      ##
 76
      ##
 77
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
 78
      79
##
      0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
      ## 80
## 81
      ## 82
      ## 83
      0.0029901751 0.0004810005 0.003738318 0.0032051282 0.3950653120
## 84
      0.0025630073 0.0000000000 0.000000000 0.0027472527 0.3965166909
## 85
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
 86
      87
      0.0042716788 0.0000000000 0.006230530 0.0045787546 0.3936139332
##
      ## 88
## 89
      ## 90
      0.0029901751 0.0000000000 0.000623053 0.0032051282 0.3962264151
## 91
      0.0017086715 0.0000000000 0.002492212 0.0018315018 0.3953555878
## 92
      0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 93
      0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 94
      0.0038445109 0.0004810005 0.000623053 0.0032051282 0.3965166909
      ## 95
## 96
      0.0025630073 0.0000000000 0.000623053 0.0027472527 0.3962264151
## 97
      0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 98
      0.0046988466 0.0014430014 0.004984424 0.0041208791 0.3950653120
## 99
      0.0059803503 0.0057720058 0.001246106 0.0045787546 0.3994194485
## 100
      0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 101
```

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

```
## 152
         0.2422041862 0.0264550265 0.319003115 0.2445054945 0.2638606676
## 153
         0.1328492097 0.1495911496 0.000000000 0.1423992674 0.4867924528
## 154
         0.1345578812 0.0553150553 0.124610592 0.1419413919 0.3718432511
## 155
         0.3763348996 0.4237614238 0.000000000 0.4033882784 0.6522496372
## 156
         0.3229389150 0.0153920154 0.167601246 0.3232600733 0.3277213353
## 157
         0.2174284494 0.0062530063 0.031775701 0.2170329670 0.3854862119
## 158
         0.4284493806 0.0428090428 0.119626168 0.3695054945 0.3666182874
## 159
         0.0854335754 0.0962000962 0.000000000 0.0915750916 0.4545718433
## 160
         0.3652285348 0.0081770082 0.074766355 0.3543956044 0.3666182874
## 161
         0.2088850918 0.0115440115 0.047975078 0.2000915751 0.3811320755
## 162
         0.0803075609 0.0904280904 0.000000000 0.0860805861 0.4510885341
## 163
         0.2507475438 0.2823472823 0.000000000 0.2687728938 0.5669085631
## 164
         0.2486117044 0.0779220779 0.261682243 0.2385531136 0.3216255443
## 165
         0.3212302435 0.3617123617 0.000000000 0.3443223443 0.6148040639
## 166
         0.1960700555 0.0322270322 0.244236760 0.1891025641 0.3021770682
## 167
         0.2118752670 0.0379990380 0.259813084 0.2225274725 0.2984034833
## 168
         0.2020504058 0.2275132275 0.000000000 0.2165750916 0.5338171263
## 169
         0.2024775737 0.0687830688 0.206230530 0.2101648352 0.3419448476
## 170
         0.1290046988 0.1452621453 0.000000000 0.1382783883 0.4841799710
## 171
         0.7885519009 0.1159211159 1.000000000 0.7348901099 0.0005805515
## 172
         0.3566851773 0.4016354016 0.000000000 0.3823260073 0.6388969521
         0.4412644169 0.1370851371 0.466043614 0.4317765568 0.2621190131
## 173
## 174
         0.0619393422 0.0168350168 0.068535826 0.0654761905 0.3747460087
## 175
         0.3182400683 0.3583453583 0.000000000 0.3411172161 0.6127721335
## 176
         0.3340452798 0.3761423761 0.000000000 0.3580586081 0.6235123367
## 177
         0.2357966681 0.0298220298 0.305295950 0.2413003663 0.2722786647
## 178
         0.1003844511 0.1130351130 0.000000000 0.1076007326 0.4647314949
## 179
         0.2648440837 0.2982202982 0.000000000 0.2838827839 0.5764876633
## 180
         0.2050405809 0.2308802309 0.000000000 0.2197802198 0.5358490566
## 181
         0.5296881674 0.5964405964 0.000000000 0.5677655678 0.7564586357
## 182
         0.0756087142 0.0851370851 0.000000000 0.0810439560 0.4478955007
## 183
         0.0965399402 0.0245310245 0.109034268 0.0906593407 0.3605224964
## 184
         0.6497223409 0.2578162578 0.613707165 0.6579670330 0.2661828737
## 185
         0.5459205468 0.0711880712 0.704049844 0.5288461538 0.1114658926
## 186
         0.1157624947 0.0009620010 0.031152648 0.1185897436 0.3825834543
## 187
         0.0465612986 0.0524290524 0.000000000 0.0499084249 0.4281567489
## 188
         0.5745407945 0.6469456469 0.000000000 0.6158424908 0.7869375907
## 189
         0.2105937633 0.0033670034 0.031775701 0.2119963370 0.3837445573
## 190
         0.0751815463 0.0129870130 0.092834891 0.0782967033 0.3611030479
## 191
         0.1866723622 0.0264550265 0.238006231 0.1831501832 0.3015965167
## 192
         0.2276804784 0.0052910053 0.029906542 0.2170329670 0.3857764877
## 193
         0.0183682187 0.0004810005 0.008722741 0.0173992674 0.3927431060
## 194
         0.0627936779 0.0707070707 0.000000000 0.0673076923 0.4391872279
## 195
         0.0529688167 0.0596440596 0.000000000 0.0567765568 0.4325108853
## 196
         0.3605296882 0.0577200577 0.451090343 0.3589743590 0.2211901306
## 197
         0.0491243059 0.0553150553 0.000000000 0.0526556777 0.4298984035
## 198
         0.2473302008 0.0149110149 0.066666667 0.2408424908 0.3744557329
## 199
         0.1550619393 0.1746031746 0.000000000 0.1662087912 0.5018867925
## 200
         0.1332763776 0.0091390091 0.041121495 0.1263736264 0.3828737300
## 201
         0.3793250748 0.2385762386 0.244236760 0.3919413919 0.4267053701
```

```
## 202
        0.1537804357 0.1731601732 0.000000000 0.1648351648 0.5010159652
## 203
        0.7240495515 0.1014911015 0.578816199 0.6588827839 0.1880986938
## 204
        0.1815463477 0.0076960077 0.028037383 0.1717032967 0.3880986938
## 205
        0.1106364801 0.0024050024 0.020560748 0.1034798535 0.3883889695
## 206
        0.1337035455 0.0168350168 0.062928349 0.1185897436 0.3773584906
## 207
        0.1358393849 0.1529581530 0.000000000 0.1456043956 0.4888243832
## 208
        0.1251601880 0.0495430495 0.118380062 0.1304945055 0.3712626996
##
  209
        0.3498504912 0.0293410293 0.154517134 0.3237179487 0.3422351234
## 210
        0.0965399402 0.0283790284 0.104049844 0.0924908425 0.3651669086
## 211
        0.2212729603 0.2491582492 0.000000000 0.2371794872 0.5468795356
## 212
        0.0012815036 0.0009620010 0.000623053 0.0009157509 0.3968069666
## 213
        0.0375907732 0.0000000000 0.005607477 0.0375457875 0.3939042090
## 214
        0.0862879111 0.0081770082 0.068535826 0.0847069597 0.3695210450
        ## 215
## 216
        0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 217
        ## 218
        0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 219
        0.0158052114 0.0177970178 0.000000000 0.0169413919 0.4072568940
## 220
        0.1973515592 0.0149110149 0.048598131 0.1868131868 0.3828737300
## 221
        ## 222
        0.0017086715 0.0000000000 0.000623053 0.0018315018 0.3962264151
## 223
        0.0029901751 0.0000000000 0.000000000 0.0032051282 0.3965166909
## 224
## 225
        0.0256300726 0.0288600289 0.000000000 0.0274725275 0.4139332366
## 226
        0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 227
        0.0081161897 0.0091390091 0.000000000 0.0086996337 0.4020319303
## 228
        0.0076890218 0.0086580087 0.000000000 0.0082417582 0.4017416546
## 229
        0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 230
        0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 231
        0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 232
        0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 233
        0.0085433575 0.0000000000 0.012461059 0.0091575092 0.3907111756
## 234
        0.0034173430 0.0000000000 0.000000000 0.0036630037 0.3965166909
## 235
        0.0029901751 0.0000000000 0.004361371 0.0032051282 0.3944847605
## 236
        0.0029901751 0.0009620010 0.003115265 0.0027472527 0.3956458636
## 237
        0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 238
        0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 239
        0.0025630073 0.0000000000 0.000623053 0.0027472527 0.3962264151
## 240
        0.0017086715 0.0000000000 0.000000000 0.0018315018 0.3965166909
## 241
        0.2417770184 0.0303030303 0.174454829 0.2257326007 0.3335268505
## 242
        0.0093976933 0.0000000000 0.001869159 0.0096153846 0.3956458636
## 243
        0.2328064930 0.0423280423 0.182554517 0.2032967033 0.3370101597
## 244
        0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 245
        ## 246
        0.0017086715 0.0000000000 0.000000000 0.0018315018 0.3965166909
## 247
        0.0076890218 0.0057720058 0.003738318 0.0082417582 0.3982583454
## 248
        0.0798803930 0.0206830207 0.089719626 0.0833333333 0.3671988389
## 249
        0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 250
        0.2306706536 0.0062530063 0.038006231 0.2147435897 0.3825834543
## 251
        0.0012815036 0.0004810005 0.001246106 0.0009157509 0.3962264151
```

```
0.0034173430 0.0024050024 0.001869159 0.0036630037 0.3970972424
## 252
## 253
        ## 254
        0.0068346860 0.0076960077 0.000000000 0.0073260073 0.4011611030
## 255
        0.0008543358 0.0004810005 0.000623053 0.0000000000 0.3965166909
## 256
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 257
        0.0085433575 0.0096200096 0.000000000 0.0091575092 0.4023222061
## 258
        0.1537804357 0.0076960077 0.046728972 0.1369047619 0.3793904209
  259
##
        0.0012815036 0.0000000000 0.000623053 0.0013736264 0.3962264151
## 260
        0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
        ## 261
## 262
        0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 263
        0.0418624519 0.0028860029 0.028037383 0.0416666667 0.3851959361
## 264
        0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 265
## 266
        0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 267
        0.0038445109 0.0000000000 0.000623053 0.0041208791 0.3962264151
## 268
        0.0281930799 0.0317460317 0.000000000 0.0302197802 0.4156748911
## 269
        0.0205040581 0.0019240019 0.027414330 0.0215201465 0.3849056604
## 270
        0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 271
        0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 272
        0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 273
        0.0256300726 0.0038480038 0.032398754 0.0247252747 0.3837445573
## 274
        0.1768475011 0.0447330447 0.200000000 0.1785714286 0.3303338171
## 275
        0.2178556173 0.0096200096 0.080996885 0.2133699634 0.3645863570
## 276
        0.1144809910 0.0019240019 0.015576324 0.1149267399 0.3904208999
## 277
        ## 278
        0.0017086715 0.0000000000 0.000623053 0.0018315018 0.3962264151
## 279
        0.1482272533 0.1669071669 0.000000000 0.1588827839 0.4972423803
## 280
        0.0465612986 0.0009620010 0.018068536 0.0421245421 0.3886792453
## 281
        0.0017086715 0.0000000000 0.000623053 0.0013736264 0.3962264151
## 282
        0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 283
        0.0021358394 0.0009620010 0.001869159 0.0022893773 0.3962264151
## 284
        0.2340879966 0.2635882636 0.000000000 0.2509157509 0.5555878084
## 285
        0.5241349850 0.3554593555 0.304049844 0.5407509158 0.4693759071
## 286
        0.0252029047 0.0283790284 0.000000000 0.0270146520 0.4136429608
## 287
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 288
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 289
        0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 290
        ## 291
        0.0046988466 0.0009620010 0.000623053 0.0041208791 0.3968069666
## 292
        0.0209312260 0.0235690236 0.000000000 0.0224358974 0.4107402032
## 293
        0.1503630927 0.1693121693 0.000000000 0.1611721612 0.4986937591
## 294
        0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 295
        0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 296
        0.2524562153 0.2842712843 0.000000000 0.2706043956 0.5680696662
## 297
        0.0102520290 0.0115440115 0.000000000 0.0109890110 0.4034833091
## 298
        0.0692011961 0.0024050024 0.064797508 0.0714285714 0.3677793904
## 299
        ## 300
        0.1324220419 0.1491101491 0.000000000 0.1419413919 0.4865021771
        0.0017086715 0.0000000000 0.002492212 0.0018315018 0.3953555878
## 301
```

```
## 302
       0.0166595472 0.0187590188 0.000000000 0.0178571429 0.4078374456
       0.0055531824 0.0062530063 0.000000000 0.0059523810 0.4002902758
## 303
## 304
       0.0717642033 0.0153920154 0.084735202 0.0741758242 0.3663280116
## 305
       0.0064075182 0.0000000000 0.000000000 0.0068681319 0.3965166909
## 306
       0.0021358394 0.0000000000 0.003115265 0.0022893773 0.3950653120
## 307
       0.0111063648 0.0067340067 0.007476636 0.0119047619 0.3970972424
## 308
       0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
##
  309
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 310
       0.0119607006 0.0134680135 0.000000000 0.0128205128 0.4046444122
       ## 311
## 312
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 313
       0.0111063648 0.0004810005 0.003115265 0.0105311355 0.3953555878
## 314
       ## 315
## 316
       0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 317
       0.0286202478 0.0110630111 0.027414330 0.0302197802 0.3904208999
## 318
       0.0034173430 0.0009620010 0.002492212 0.0027472527 0.3959361393
## 319
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
       0.0512601452 0.0577200577 0.000000000 0.0549450549 0.4313497823
## 320
## 321
       0.1824006835 0.2053872054 0.000000000 0.1955128205 0.5204644412
## 322
       ## 323
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
       0.0128150363 0.0019240019 0.016199377 0.0123626374 0.3901306241
## 324
## 325
       0.0559589919 0.0630110630 0.000000000 0.0599816850 0.4345428157
## 326
       0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 327
       0.0875694148 0.0986050986 0.000000000 0.0938644689 0.4560232221
## 328
       ## 329
       ## 330
       0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 331
       ## 332
       0.0773173857 0.0870610871 0.000000000 0.0828754579 0.4490566038
## 333
       0.0025630073 0.0014430014 0.001869159 0.0022893773 0.3965166909
## 334
       ## 335
       0.0149508757 0.0168350168 0.000000000 0.0160256410 0.4066763425
## 336
       0.2580093977 0.2905242905 0.000000000 0.2765567766 0.5718432511
## 337
       0.0187953866 0.0048100048 0.021183801 0.0187728938 0.3895500726
## 338
       0.0140965399 0.0004810005 0.002492212 0.0132783883 0.3956458636
## 339
       0.0046988466 0.0014430014 0.001246106 0.0036630037 0.3968069666
## 340
       0.0059803503 0.0000000000 0.000623053 0.0059523810 0.3962264151
## 341
       0.0029901751 0.0000000000 0.004361371 0.0032051282 0.3944847605
## 342
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 343
       0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 344
       ## 345
       ## 346
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 347
       0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 348
       ## 349
       0.1507902606 0.1697931698 0.000000000 0.1616300366 0.4989840348
## 350
       0.0375907732 0.0423280423 0.000000000 0.0402930403 0.4220609579
## 351
       0.0640751815 0.0721500722 0.000000000 0.0686813187 0.4400580552
```

```
## 352
         0.1127723195 0.0014430014 0.031152648 0.1103479853 0.3828737300
         0.0499786416 0.0048100048 0.066666667 0.0531135531 0.3683599419
## 353
## 354
         0.0636480137 0.0716690717 0.000000000 0.0682234432 0.4397677794
## 355
         0.0649295173 0.0009620010 0.006230530 0.0641025641 0.3941944848
         0.0234942332 0.0187590188 0.009968847 0.0247252747 0.4031930334
## 356
## 357
         ## 358
         0.0645023494 0.0009620010 0.008099688 0.0631868132 0.3933236575
##
  359
         0.0286202478 0.0024050024 0.008722741 0.0274725275 0.3939042090
## 360
         0.3835967535 0.2568542569 0.226791277 0.3956043956 0.4458635704
         0.0645023494 0.0014430014 0.008722741 0.0622710623 0.3933236575
## 361
## 362
         0.0226398975 0.0000000000 0.010591900 0.0224358974 0.3915820029
## 363
         0.0551046561 0.0620490620 0.000000000 0.0590659341 0.4339622642
## 364
         0.0264844084 0.0298220298 0.000000000 0.0283882784 0.4145137881
## 365
         0.0905595899 0.0086580087 0.120872274 0.0938644689 0.3454281567
## 366
         0.3588210167 0.0471380471 0.462305296 0.3713369963 0.2095791001
## 367
         0.0166595472 0.0187590188 0.000000000 0.0178571429 0.4078374456
## 368
         0.0482699701 0.0086580087 0.059190031 0.0457875458 0.3741654572
## 369
         0.0781717215 0.0192400192 0.089096573 0.0760073260 0.3666182874
         0.0666381888 0.0096200096 0.054205607 0.0576923077 0.3770682148
## 370
## 371
         0.1653139684 0.1861471861 0.000000000 0.1771978022 0.5088534107
## 372
         0.0200768902 0.0014430014 0.006853583 0.0169413919 0.3941944848
## 373
         0.0311832550 0.0024050024 0.011214953 0.0279304029 0.3927431060
## 374
         0.2870568133 0.0086580087 0.080996885 0.2728937729 0.3640058055
## 375
         0.0815890645 0.0918710919 0.000000000 0.0874542125 0.4519593614
## 376
         0.0431439556 0.0048100048 0.056697819 0.0430402930 0.3730043541
## 377
         0.0572404955 0.0072150072 0.074143302 0.0563186813 0.3663280116
## 378
         0.0175138830 0.0019240019 0.009345794 0.0160256410 0.3933236575
## 379
         0.0269115762 0.0303030303 0.000000000 0.0288461538 0.4148040639
## 380
         0.0858607433 0.0033670034 0.120872274 0.0906593407 0.3422351234
## 381
         0.2123024349 0.0057720058 0.077881620 0.2165750916 0.3637155298
## 382
         0.0119607006 0.0009620010 0.004361371 0.0105311355 0.3950653120
## 383
         0.0213583938 0.0240500241 0.000000000 0.0228937729 0.4110304790
## 384
         0.0128150363 0.0144300144 0.000000000 0.0137362637 0.4052249637
## 385
         0.0115335327 0.0038480038 0.005607477 0.0082417582 0.3962264151
## 386
         0.0311832550 0.0048100048 0.039252336 0.0288461538 0.3811320755
## 387
         0.1063648014 0.0028860029 0.021806854 0.0989010989 0.3880986938
## 388
         0.0991029475 0.0115440115 0.129595016 0.0993589744 0.3431059507
## 389
         0.0230670654 0.0000000000 0.000623053 0.0247252747 0.3962264151
## 390
         0.0166595472 0.0067340067 0.015576324 0.0169413919 0.3933236575
## 391
         0.0576676634 0.0014430014 0.014330218 0.0581501832 0.3907111756
## 392
         0.0119607006 0.0033670034 0.013084112 0.0119047619 0.3924528302
## 393
         0.0226398975 0.0038480038 0.028037383 0.0210622711 0.3857764877
## 394
         0.0205040581 0.0024050024 0.026791277 0.0210622711 0.3854862119
## 395
         0.0149508757 0.0038480038 0.011214953 0.0123626374 0.3936139332
## 396
         0.2926099957 0.0485810486 0.363862928 0.2971611722 0.2563134978
## 397
         0.0367364374 0.0413660414 0.000000000 0.0393772894 0.4214804064
## 398
         0.2674070910 0.0086580087 0.055451713 0.2454212454 0.3759071118
## 399
         0.1144809910 0.0379990380 0.117757009 0.1135531136 0.3645863570
## 400
         0.1328492097 0.0413660414 0.140186916 0.1176739927 0.3561683599
## 401
         0.0781717215 0.0235690236 0.083489097 0.0801282051 0.3718432511
```

```
## 402
         0.0986757796 0.0086580087 0.095327103 0.0961538462 0.3573294630
## 403
         0.0205040581 0.0230880231 0.000000000 0.0219780220 0.4104499274
## 404
         0.0452797950 0.0038480038 0.061059190 0.0462454212 0.3703918723
## 405
         0.1738573259 0.0413660414 0.200000000 0.1785714286 0.3283018868
         0.0461341307 0.0072150072 0.057943925 0.0485347985 0.3738751814
## 406
## 407
         0.0316104229 0.0134680135 0.028660436 0.0320512821 0.3912917271
## 408
         0.3887227680 0.0076960077 0.159501558 0.3823260073 0.3268505080
## 409
         0.2225544639 0.1130351130 0.178193146 0.2193223443 0.3817126270
## 410
         0.0448526271 0.0004810005 0.011214953 0.0453296703 0.3915820029
         0.0572404955 0.0139490139 0.065420561 0.0576923077 0.3744557329
## 411
         0.0572404955 0.0048100048 0.029283489 0.0554029304 0.3857764877
## 412
## 413
         0.0384451089 0.0019240019 0.024299065 0.0375457875 0.3863570392
## 414
         0.0444254592 0.0139490139 0.046728972 0.0462454212 0.3831640058
## 415
         0.0286202478 0.0322270322 0.000000000 0.0306776557 0.4159651669
## 416
         0.0192225545 0.0033670034 0.016199377 0.0173992674 0.3910014514
## 417
         0.0551046561 0.0240500241 0.049221184 0.0512820513 0.3880986938
## 418
         0.0606578385 0.0014430014 0.026791277 0.0508241758 0.3849056604
## 419
         0.0739000427 0.0216450216 0.079750779 0.0764652015 0.3724238026
## 420
         0.0226398975 0.0254930255 0.000000000 0.0242673993 0.4119013062
## 421
         0.2088850918 0.0048100048 0.033021807 0.2069597070 0.3840348331
## 422
         0.0337462623 0.0004810005 0.048598131 0.0361721612 0.3741654572
## 423
         0.0226398975 0.0254930255 0.000000000 0.0242673993 0.4119013062
## 424
         0.0055531824 0.0004810005 0.007476636 0.0054945055 0.3933236575
## 425
         0.0046988466 0.0004810005 0.006230530 0.0045787546 0.3939042090
## 426
         0.0038445109 0.0019240019 0.003115265 0.0041208791 0.3962264151
## 427
         0.0756087142 0.0322270322 0.068535826 0.0796703297 0.3840348331
## 428
         0.0341734302 0.0033670034 0.013707165 0.0311355311 0.3921625544
## 429
         0.0546774883 0.0197210197 0.054205607 0.0531135531 0.3831640058
## 430
         0.0213583938 0.0024050024 0.028037383 0.0215201465 0.3849056604
## 431
         0.0222127296 0.0000000000 0.005607477 0.0224358974 0.3939042090
## 432
         0.0226398975 0.0009620010 0.008099688 0.0215201465 0.3933236575
## 433
         0.0521144810 0.0086580087 0.064797508 0.0512820513 0.3715529753
## 434
         0.0346005980 0.0000000000 0.004984424 0.0357142857 0.3941944848
         0.0252029047 0.0168350168 0.014953271 0.0256410256 0.3997097242
## 435
## 436
         0.0158052114 0.0177970178 0.000000000 0.0169413919 0.4072568940
         0.0111063648 0.0125060125 0.000000000 0.0119047619 0.4040638607
## 437
## 438
         0.0405809483 0.0043290043 0.021183801 0.0384615385 0.3892597968
## 439
         0.0585219991 0.0177970178 0.062305296 0.0599816850 0.3782293179
## 440
         0.0375907732 0.0009620010 0.009968847 0.0357142857 0.3924528302
## 441
         0.0559589919 0.0096200096 0.069158879 0.0554029304 0.3701015965
## 442
         0.0111063648 0.0014430014 0.001246106 0.0096153846 0.3968069666
## 443
         0.0213583938 0.0028860029 0.027414330 0.0201465201 0.3854862119
## 444
         0.0252029047 0.0028860029 0.033021807 0.0247252747 0.3828737300
## 445
         0.0721913712 0.0024050024 0.021806854 0.0695970696 0.3878084180
         0.0508329774 0.0572390572 0.000000000 0.0544871795 0.4310595065
## 446
## 447
         0.0388722768 0.0004810005 0.011838006 0.0366300366 0.3912917271
## 448
         0.0064075182 0.0072150072 0.000000000 0.0068681319 0.4008708273
## 449
         0.0491243059 0.0024050024 0.004984424 0.0476190476 0.3956458636
## 450
         0.0388722768 0.0004810005 0.006853583 0.0375457875 0.3936139332
## 451
         0.0375907732 0.0423280423 0.000000000 0.0402930403 0.4220609579
```

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

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

```
## 552
         0.0521144810 0.0163540164 0.054828660 0.0540293040 0.3808417997
         0.0512601452 0.0038480038 0.069781931 0.0517399267 0.3663280116
## 553
## 554
         0.1431012388 0.1611351611 0.000000000 0.1533882784 0.4937590711
## 555
         0.1097821444 0.0548340548 0.089096573 0.1167582418 0.3880986938
## 556
         0.0674925246 0.0274170274 0.062928349 0.0682234432 0.3837445573
## 557
         0.0046988466 0.0000000000 0.001869159 0.0036630037 0.3956458636
## 558
         0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
         0.0234942332 0.0033670034 0.013707165 0.0206043956 0.3921625544
## 559
## 560
         0.0029901751 0.0014430014 0.002492212 0.0032051282 0.3962264151
         0.0123878684 0.0028860029 0.014330218 0.0132783883 0.3915820029
## 561
## 562
         0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 563
         0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 564
         0.0046988466 0.0019240019 0.004361371 0.0045787546 0.3956458636
         0.0145237078 0.0163540164 0.000000000 0.0155677656 0.4063860668
## 565
## 566
         0.0068346860 0.0014430014 0.008099688 0.0064102564 0.3936139332
## 567
         0.0140965399 0.0033670034 0.016199377 0.0137362637 0.3910014514
## 568
         0.0119607006 0.0009620010 0.016199377 0.0119047619 0.3895500726
## 569
         0.0158052114 0.0062530063 0.014953271 0.0155677656 0.3933236575
## 570
         0.0093976933 0.0019240019 0.006230530 0.0077838828 0.3947750363
## 571
         0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 572
         0.0247757369 0.0278980279 0.000000000 0.0265567766 0.4133526851
## 573
         0.0281930799 0.0072150072 0.031775701 0.0256410256 0.3860667634
## 574
         0.0055531824 0.0062530063 0.000000000 0.0059523810 0.4002902758
## 575
         0.0051260145 0.0009620010 0.006230530 0.0054945055 0.3941944848
## 576
         0.0115335327 0.0024050024 0.013707165 0.0119047619 0.3915820029
## 577
         0.0051260145 0.0057720058 0.000000000 0.0054945055 0.4000000000
## 578
         0.0183682187 0.0206830207 0.000000000 0.0196886447 0.4089985486
## 579
         0.0093976933 0.0024050024 0.010591900 0.0096153846 0.3930333817
## 580
         0.0183682187 0.0014430014 0.024922118 0.0187728938 0.3857764877
## 581
         0.0093976933 0.0004810005 0.001869159 0.0082417582 0.3959361393
## 582
         0.0064075182 0.0009620010 0.008099688 0.0064102564 0.3933236575
## 583
         0.0025630073 0.0014430014 0.001869159 0.0027472527 0.3965166909
## 584
         0.1213156771 0.1366041366 0.000000000 0.1300366300 0.4789550073
## 585
         0.0106791969 0.0019240019 0.013084112 0.0100732601 0.3915820029
## 586
         0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 587
         0.0149508757 0.0091390091 0.009968847 0.0160256410 0.3973875181
## 588
         0.0606578385 0.0062530063 0.020560748 0.0549450549 0.3907111756
## 589
         0.0196497223 0.0081770082 0.018068536 0.0178571429 0.3930333817
## 590
         0.0008543358 0.0004810005 0.000623053 0.0009157509 0.3965166909
## 591
         0.0012815036 0.0000000000 0.000623053 0.0013736264 0.3962264151
## 592
         0.0106791969 0.0009620010 0.004361371 0.0086996337 0.3950653120
## 593
         0.0444254592 0.0048100048 0.058566978 0.0453296703 0.3721335269
## 594
         0.0076890218 0.0004810005 0.010591900 0.0077838828 0.3918722787
## 595
         0.0093976933 0.0009620010 0.001246106 0.0086996337 0.3965166909
## 596
         0.0166595472 0.0187590188 0.000000000 0.0178571429 0.4078374456
## 597
         0.0081161897 0.0091390091 0.000000000 0.0086996337 0.4020319303
## 598
         0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 599
         0.0106791969 0.0028860029 0.011838006 0.0086996337 0.3927431060
## 600
         0.0371636053 0.0418470418 0.000000000 0.0398351648 0.4217706821
## 601
         0.0076890218 0.0086580087 0.000000000 0.0082417582 0.4017416546
```

```
## 602
         0.0072618539 0.0000000000 0.001246106 0.0073260073 0.3959361393
         0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
## 603
## 604
         0.0072618539 0.0004810005 0.004361371 0.0064102564 0.3947750363
## 605
         0.0081161897 0.0004810005 0.011214953 0.0082417582 0.3915820029
## 606
         0.0089705254 0.0101010101 0.000000000 0.0096153846 0.4026124819
## 607
         0.0072618539 0.0004810005 0.002492212 0.0068681319 0.3956458636
## 608
         0.0119607006 0.0134680135 0.000000000 0.0128205128 0.4046444122
## 609
         0.0072618539 0.0004810005 0.002492212 0.0073260073 0.3956458636
## 610
         0.0192225545 0.0072150072 0.018691589 0.0192307692 0.3921625544
## 611
         0.0072618539 0.0000000000 0.001869159 0.0068681319 0.3956458636
## 612
         0.0401537804 0.0072150072 0.049221184 0.0407509158 0.3779390421
## 613
         0.0034173430 0.0000000000 0.002492212 0.0036630037 0.3953555878
## 614
         0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
         0.0034173430 0.0000000000 0.001246106 0.0032051282 0.3959361393
## 615
## 616
         0.0670653567 0.0755170755 0.000000000 0.0718864469 0.4420899855
## 617
         0.0068346860 0.0076960077 0.000000000 0.0073260073 0.4011611030
## 618
         0.0115335327 0.0086580087 0.005607477 0.0123626374 0.3991291727
## 619
         0.0029901751 0.0004810005 0.003738318 0.0027472527 0.3950653120
         0.0089705254 0.0014430014 0.011214953 0.0086996337 0.3921625544
## 620
## 621
         0.0021358394 0.0009620010 0.001869159 0.0022893773 0.3962264151
## 622
         0.0064075182 0.0000000000 0.001246106 0.0059523810 0.3959361393
## 623
         0.0098248612 0.0000000000 0.001246106 0.0096153846 0.3959361393
         0.0046988466 0.0019240019 0.004361371 0.0050366300 0.3956458636
## 624
## 625
         0.0072618539 0.0038480038 0.005607477 0.0077838828 0.3962264151
## 626
         0.0017086715 0.0000000000 0.000000000 0.0018315018 0.3965166909
## 627
         0.0072618539 0.0009620010 0.009345794 0.0073260073 0.3927431060
## 628
         0.0051260145 0.0004810005 0.006853583 0.0054945055 0.3936139332
## 629
         0.0051260145 0.0028860029 0.003738318 0.0054945055 0.3965166909
## 630
         0.0072618539 0.0019240019 0.008099688 0.0068681319 0.3939042090
## 631
         0.0017086715 0.0004810005 0.001869159 0.0018315018 0.3959361393
## 632
         0.0093976933 0.0000000000 0.000000000 0.0100732601 0.3965166909
## 633
         0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 634
         0.0017086715 0.0014430014 0.000623053 0.0013736264 0.3970972424
## 635
         0.0055531824 0.0000000000 0.000623053 0.0054945055 0.3962264151
## 636
         0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 637
         0.0042716788 0.0004810005 0.000623053 0.0041208791 0.3965166909
         0.0038445109 0.0024050024 0.002492212 0.0041208791 0.3968069666
## 638
## 639
         0.0068346860 0.00000000000 0.001869159 0.0073260073 0.3956458636
## 640
         0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 641
         0.0059803503 0.0009620010 0.007476636 0.0064102564 0.3936139332
## 642
         0.0324647587 0.0365560366 0.000000000 0.0347985348 0.4185776488
## 643
         0.0089705254 0.0004810005 0.012461059 0.0091575092 0.3910014514
## 644
         0.0051260145 0.0000000000 0.002492212 0.0050366300 0.3953555878
## 645
         0.0034173430 0.0004810005 0.001869159 0.0032051282 0.3959361393
## 646
         0.0051260145 0.0057720058 0.000000000 0.0054945055 0.4000000000
## 647
         0.0021358394 0.0009620010 0.001869159 0.0022893773 0.3962264151
## 648
         0.0089705254 0.0101010101 0.000000000 0.0096153846 0.4026124819
## 649
         0.0098248612 0.0009620010 0.013084112 0.0096153846 0.3910014514
## 650
         0.0098248612 0.0024050024 0.011214953 0.0105311355 0.3927431060
         0.0025630073 0.0000000000 0.001246106 0.0027472527 0.3959361393
## 651
```

```
## 652
      0.0029901751 0.0000000000 0.002492212 0.0032051282 0.3953555878
      0.0064075182 0.0019240019 0.006853583 0.0054945055 0.3944847605
## 653
## 654
      0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 655
      0.0012815036 0.0004810005 0.001246106 0.0013736264 0.3962264151
## 656
      0.0102520290 0.0028860029 0.011214953 0.0105311355 0.3930333817
## 657
      0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 658
      0.0034173430 0.0009620010 0.003738318 0.0036630037 0.3953555878
##
 659
      0.0029901751 0.0000000000 0.004361371 0.0032051282 0.3944847605
## 660
      0.0034173430 0.0038480038 0.000000000 0.0036630037 0.3988388970
## 661
      0.0021358394 0.0024050024 0.0000000000 0.0022893773 0.3979680697
## 662
      0.0068346860 0.0014430014 0.008099688 0.0068681319 0.3936139332
## 663
      0.0008543358 0.0000000000 0.000623053 0.0009157509 0.3962264151
##
 664
      0.0029901751 0.0000000000 0.001869159 0.0032051282 0.3956458636
## 665
      0.0017086715 0.0004810005 0.001246106 0.0013736264 0.3962264151
## 666
      0.0012815036 0.0004810005 0.001246106 0.0013736264 0.3962264151
## 667
      0.0017086715 0.0000000000 0.002492212 0.0018315018 0.3953555878
##
 668
      0.0017086715 0.0000000000 0.000000000 0.0018315018 0.3965166909
## 669
      ## 670
      ## 671
      ## 672
      ## 673
      0.0273387441 0.0067340067 0.018691589 0.0196886447 0.3918722787
      0.0115335327 0.0091390091 0.004984424 0.0068681319 0.3997097242
## 674
## 675
      ## 676
      0.0140965399 0.0024050024 0.007476636 0.0114468864 0.3944847605
## 677
      0.0380179411 0.0086580087 0.018068536 0.0233516484 0.3933236575
## 678
      0.1277231952 0.0582010582 0.077881620 0.0421245421 0.3953555878
## 679
      ## 680
      ## 681
      ## 682
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 683
      ## 684
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 685
      0.0046988466 0.0019240019 0.003738318 0.0032051282 0.3959361393
## 686
      0.0017086715 0.0000000000 0.002492212 0.0018315018 0.3953555878
## 687
      ## 688
## 689
      ## 690
      ## 691
      0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 692
      0.0008543358 0.0009620010 0.000000000 0.000000000 0.3970972424
## 693
      0.0029901751 0.0000000000 0.002492212 0.0022893773 0.3953555878
## 694
      ## 695
      ## 696
      0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 697
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 698
      0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 699
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
 700
      0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 701
```

```
## 702
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 703
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 704
    0.0136693721 0.0000000000 0.008099688 0.0132783883 0.3927431060
## 705
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 706
    0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 707
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
 708
    0.0008543358 0.0004810005 0.000623053 0.0004578755 0.3965166909
##
 709
    0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 710
    ## 711
    ## 712
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 713
    ##
 714
    ## 715
    ## 716
    ##
 717
    ##
 718
    ## 719
    ## 720
    ## 721
    ## 722
    0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 723
    ## 724
    ##
 725
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 726
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 727
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 728
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 729
    ## 730
    ## 731
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
 732
##
    ## 733
    ##
 734
    ## 735
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
##
 736
    0.0012815036 0.0000000000 0.001246106 0.0009157509 0.3959361393
 737
    ##
## 738
    ##
 739
    0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 740
    0.0012815036 0.0009620010 0.000623053 0.0013736264 0.3968069666
 741
##
    ##
 742
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 743
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 744
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 745
    746
    ##
## 747
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 748
    ## 749
    ##
 750
    ## 751
```

```
## 752
        0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 753
## 754
        ## 755
        ## 756
        ## 757
        ##
  758
        759
##
        0.0017086715 0.0014430014 0.000623053 0.0013736264 0.3970972424
## 760
        ## 761
        0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 762
        0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
  763
        0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
##
  764
        0.0914139257 0.0043290043 0.022429907 0.0847069597 0.3886792453
## 765
        0.0508329774 0.0120250120 0.058566978 0.0503663004 0.3764876633
  766
        0.1695856472 0.0206830207 0.220560748 0.1712454212 0.3062409289
##
##
  767
        0.3677915421 0.0278980279 0.120872274 0.3516483516 0.3570391872
##
  768
        0.1012387868 0.0538720539 0.077881620 0.1057692308 0.3927431060
## 769
        0.3139683896 0.0303030303 0.103426791 0.2783882784 0.3666182874
## 770
        0.1405382315 0.0057720058 0.037383178 0.1259157509 0.3825834543
## 771
        0.0999572832 0.0428090428 0.090342679 0.1016483516 0.3802612482
## 772
        0.1405382315 0.0226070226 0.175700935 0.1291208791 0.3283018868
##
  773
        0.0790260572 0.0889850890 0.000000000 0.0847069597 0.4502177068
## 774
        0.0649295173 0.0731120731 0.000000000 0.0695970696 0.4406386067
##
  775
        0.2661255874 0.0668590669 0.301557632 0.2738095238 0.2963715530
  776
##
        0.0717642033 0.0808080808 0.000000000 0.0769230769 0.4452830189
##
  777
        0.0636480137 0.0072150072 0.041121495 0.0604395604 0.3817126270
## 778
        0.2439128578 0.2746512747 0.000000000 0.2614468864 0.5622641509
## 779
        0.0491243059 0.0553150553 0.000000000 0.0526556777 0.4298984035
## 780
        0.0803075609 0.0533910534 0.047975078 0.0824175824 0.4063860668
## 781
        0.0008543358 0.0004810005 0.000623053 0.0009157509 0.3965166909
  782
        0.2071764203 0.0033670034 0.017445483 0.2101648352 0.3904208999
##
## 783
        0.0474156343 0.0533910534 0.000000000 0.0508241758 0.4287373004
##
  784
        0.1345578812 0.1515151515 0.000000000 0.1442307692 0.4879535559
## 785
        0.0495514737 0.0557960558 0.000000000 0.0531135531 0.4301886792
  786
##
        0.0085433575 0.0004810005 0.009345794 0.0086996337 0.3924528302
  787
        0.0431439556 0.0019240019 0.006853583 0.0430402930 0.3944847605
##
## 788
        0.0422896198 0.0057720058 0.054205607 0.0421245421 0.3747460087
##
  789
        0.0089705254 0.0024050024 0.009968847 0.0091575092 0.3933236575
## 790
        0.0200768902 0.0091390091 0.017445483 0.0155677656 0.3939042090
  791
        0.0563861598 0.0634920635 0.000000000 0.0604395604 0.4348330914
##
##
  792
        0.0209312260 0.0235690236 0.000000000 0.0224358974 0.4107402032
## 793
        0.0371636053 0.0024050024 0.006853583 0.0343406593 0.3947750363
## 794
        0.0102520290 0.0115440115 0.000000000 0.0109890110 0.4034833091
## 795
        0.0410081162 0.0163540164 0.038629283 0.0430402930 0.3883889695
## 796
        0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 797
        0.0888509184 0.1000481000 0.000000000 0.0952380952 0.4568940493
## 798
        0.0431439556 0.0485810486 0.000000000 0.0462454212 0.4258345428
## 799
        0.0533959846 0.0601250601 0.000000000 0.0572344322 0.4328011611
## 800
        0.0230670654 0.0259740260 0.000000000 0.0247252747 0.4121915820
        0.0089705254 0.0004810005 0.001869159 0.0091575092 0.3959361393
## 801
```

```
## 802
         0.0158052114 0.0014430014 0.004984424 0.0128205128 0.3950653120
         0.0410081162 0.0028860029 0.014330218 0.0366300366 0.3915820029
## 803
## 804
         0.0551046561 0.0043290043 0.009345794 0.0512820513 0.3947750363
## 805
         0.0307560871 0.0024050024 0.017445483 0.0297619048 0.3898403483
## 806
         0.0273387441 0.0076960077 0.029906542 0.0265567766 0.3872278665
## 807
         0.0371636053 0.0418470418 0.000000000 0.0398351648 0.4217706821
## 808
         0.0072618539 0.0004810005 0.009968847 0.0073260073 0.3921625544
## 809
         0.0324647587 0.0365560366 0.000000000 0.0347985348 0.4185776488
## 810
         0.0375907732 0.0423280423 0.000000000 0.0402930403 0.4220609579
         0.0222127296 0.0250120250 0.000000000 0.0238095238 0.4116110305
## 811
## 812
         0.0068346860 0.0014430014 0.007476636 0.0059523810 0.3939042090
## 813
         0.0995301153 0.0019240019 0.009345794 0.0989010989 0.3933236575
## 814
         0.1366937206 0.1539201539 0.000000000 0.1465201465 0.4894049347
## 815
         0.0815890645 0.0125060125 0.102803738 0.0810439560 0.3561683599
## 816
         0.0046988466 0.0000000000 0.001246106 0.0045787546 0.3959361393
## 817
         0.0217855617 0.0091390091 0.019937695 0.0233516484 0.3927431060
## 818
         0.0068346860 0.0014430014 0.008099688 0.0059523810 0.3936139332
## 819
         0.0059803503 0.0067340067 0.000000000 0.0064102564 0.4005805515
         0.0610850064 0.0048100048 0.013707165 0.0595238095 0.3930333817
## 820
## 821
         0.0589491670 0.0125060125 0.069781931 0.0599816850 0.3715529753
## 822
         0.0521144810 0.0024050024 0.013707165 0.0521978022 0.3915820029
## 823
         0.0055531824 0.0057720058 0.000623053 0.0059523810 0.3997097242
## 824
         0.0196497223 0.0004810005 0.028037383 0.0210622711 0.3837445573
## 825
         0.0042716788 0.0004810005 0.000000000 0.0041208791 0.3968069666
## 826
         0.1089278086 0.0086580087 0.017445483 0.0984432234 0.3936139332
## 827
         0.0200768902 0.0226070226 0.000000000 0.0215201465 0.4101596517
## 828
         0.0029901751 0.0000000000 0.004361371 0.0032051282 0.3944847605
## 829
         0.0615121743 0.0076960077 0.038006231 0.0576923077 0.3834542816
## 830
         0.0187953866 0.0004810005 0.009968847 0.0192307692 0.3921625544
## 831
         0.0102520290 0.0115440115 0.000000000 0.0109890110 0.4034833091
## 832
         0.0081161897 0.0014430014 0.005607477 0.0073260073 0.3947750363
## 833
         0.0756087142 0.0125060125 0.094080997 0.0741758242 0.3602322206
## 834
         0.0499786416 0.0009620010 0.016199377 0.0434981685 0.3895500726
## 835
         0.0068346860 0.0076960077 0.000000000 0.0073260073 0.4011611030
## 836
         0.0610850064 0.0687830688 0.000000000 0.0654761905 0.4380261248
## 837
         0.0256300726 0.0288600289 0.000000000 0.0274725275 0.4139332366
## 838
         0.0666381888 0.0750360750 0.000000000 0.0714285714 0.4417997097
## 839
         0.1020931226 0.0101010101 0.029906542 0.0851648352 0.3886792453
## 840
         0.0115335327 0.0009620010 0.015576324 0.0114468864 0.3898403483
## 841
         0.0162323793 0.0182780183 0.000000000 0.0173992674 0.4075471698
## 842
         0.0367364374 0.0009620010 0.003115265 0.0361721612 0.3956458636
## 843
         0.0482699701 0.0014430014 0.007476636 0.0453296703 0.3939042090
## 844
         0.0324647587 0.0067340067 0.038629283 0.0320512821 0.3825834543
## 845
         0.0448526271 0.0038480038 0.060436137 0.0467032967 0.3706821480
## 846
         0.0713370355 0.0803270803 0.000000000 0.0764652015 0.4449927431
## 847
         0.0751815463 0.0014430014 0.023676012 0.0700549451 0.3863570392
## 848
         0.1046561299 0.1178451178 0.000000000 0.1121794872 0.4676342525
## 849
         0.0320375908 0.0043290043 0.041121495 0.0302197802 0.3799709724
## 850
         0.0495514737 0.0557960558 0.000000000 0.0531135531 0.4301886792
## 851
         0.0328919265 0.0370370370 0.000000000 0.0352564103 0.4188679245
```

```
## 852
    0.1571977787 0.1770081770 0.000000000 0.1684981685 0.5033381713
## 853
    ## 854
    ## 855
## 856
    ## 857
    ## 858
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 859
    ## 860
    ## 861
    ## 862
    0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 863
    ##
 864
    0.0008543358 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 865
    ## 866
    ## 867
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 868
    ## 869
    0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 870
    0.0021358394 0.0000000000 0.001246106 0.0018315018 0.3959361393
## 871
    0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 872
    ## 873
    0.0012815036 0.0000000000 0.001246106 0.0013736264 0.3959361393
## 874
    0.0012815036 0.0014430014 0.000000000 0.0013736264 0.3973875181
## 875
    ## 876
    0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 877
    ## 878
    0.0025630073 0.0000000000 0.000000000 0.0027472527 0.3965166909
## 879
    0.0021358394 0.0024050024 0.000000000 0.0022893773 0.3979680697
## 880
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 881
    ## 882
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 883
    ## 884
    ## 885
    ## 886
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 887
    ## 888
## 889
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 890
    ## 891
    0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 892
    ## 893
    ## 894
    0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 895
    ## 896
    ## 897
    0.0021358394 0.0014430014 0.001246106 0.0022893773 0.3968069666
## 898
    ## 899
    ## 900
    0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 901
    0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
```

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

```
## 952
      ## 953
      ## 954
      ## 955
      ## 956
      ## 957
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 958
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 959
      0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 960
      ## 961
## 962
      0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 963
      ## 964
      ## 965
      ## 966
      0.0055531824 0.0000000000 0.001246106 0.0059523810 0.3959361393
## 967
      0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 968
      ## 969
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 970
      0.0008543358 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 971
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 972
      ## 973
      ## 974
      ## 975
      0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 976
      0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 977
      0.0034173430 0.0004810005 0.004361371 0.0036630037 0.3947750363
## 978
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 979
      0.0012815036 0.0000000000 0.001246106 0.0013736264 0.3959361393
## 980
      0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 981
      0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 982
      ## 983
      ## 984
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 985
      0.0017086715 0.0004810005 0.001869159 0.0018315018 0.3959361393
## 986
      0.0226398975 0.0254930255 0.000000000 0.0242673993 0.4119013062
## 987
      0.0034173430 0.0000000000 0.004984424 0.0036630037 0.3941944848
## 988
      0.0076890218 0.0004810005 0.003115265 0.0077838828 0.3953555878
## 989
      0.0123878684 0.0004810005 0.007476636 0.0073260073 0.3933236575
## 990
      0.0111063648 0.0076960077 0.006230530 0.0105311355 0.3982583454
## 991
      0.0106791969 0.0033670034 0.011214953 0.0077838828 0.3933236575
## 992
      0.0316104229 0.0115440115 0.031152648 0.0306776557 0.3889695210
## 993
      0.0106791969 0.0057720058 0.006853583 0.0050366300 0.3968069666
## 994
      0.0170867151 0.0192400192 0.000000000 0.0183150183 0.4081277213
## 995
      0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 996
      0.0299017514 0.0182780183 0.015576324 0.0086996337 0.4002902758
## 997
      0.0307560871 0.0110630111 0.017445483 0.0169413919 0.3950653120
## 998
      0.0111063648 0.0125060125 0.000000000 0.0119047619 0.4040638607
## 999
      0.2409226826 0.0668590669 0.082242991 0.1556776557 0.3985486212
## 1000
      0.0179410508 0.0202020202 0.000000000 0.0192307692 0.4087082729
      0.0901324220 0.0452140452 0.031775701 0.0389194139 0.4089985486
## 1001
```

```
## 1002
        0.0264844084 0.0115440115 0.023676012 0.0173992674 0.3924528302
## 1003
        0.0145237078 0.0125060125 0.004984424 0.0155677656 0.4017416546
## 1004
        0.0721913712 0.0019240019 0.012461059 0.0663919414 0.3918722787
## 1005
        0.0294745835 0.0067340067 0.034267913 0.0251831502 0.3846153846
## 1006
        0.0102520290 0.0004810005 0.014330218 0.0105311355 0.3901306241
## 1007
         0.0615121743 0.0336700337 0.046105919 0.0526556777 0.3953555878
## 1008
        0.0388722768 0.0028860029 0.008099688 0.0329670330 0.3944847605
## 1009
        0.0217855617 0.0153920154 0.011838006 0.0210622711 0.4002902758
## 1010
        0.0166595472 0.0004810005 0.011214953 0.0109890110 0.3915820029
## 1011
        0.0290474156 0.0072150072 0.029283489 0.0192307692 0.3872278665
## 1012
        0.0162323793 0.0033670034 0.016822430 0.0128205128 0.3907111756
## 1013
         0.0170867151 0.0028860029 0.021183801 0.0173992674 0.3883889695
## 1014
        0.0089705254 0.0019240019 0.009968847 0.0050366300 0.3930333817
## 1015
        0.0119607006 0.0067340067 0.008722741 0.0105311355 0.3965166909
## 1016
         0.0123878684 0.0062530063 0.009968847 0.0114468864 0.3956458636
## 1017
         0.0128150363 0.0129870130 0.001869159 0.0123626374 0.4034833091
## 1018
        0.0111063648 0.0024050024 0.003115265 0.0091575092 0.3965166909
## 1019
        0.0093976933 0.0086580087 0.002492212 0.0068681319 0.4005805515
## 1020
        0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 1021
        0.0542503204 0.0278980279 0.042990654 0.0393772894 0.3933236575
## 1022
        0.1042289620 0.0394420394 0.052959502 0.0650183150 0.3956458636
## 1023
        0.0200768902 0.0226070226 0.000000000 0.0215201465 0.4101596517
        0.0397266126 0.0004810005 0.014953271 0.0311355311 0.3898403483
## 1024
## 1025
         0.0414352841 0.0163540164 0.039252336 0.0320512821 0.3880986938
## 1026
        0.0089705254 0.0101010101 0.000000000 0.0096153846 0.4026124819
## 1027
         0.0128150363 0.0004810005 0.008099688 0.0128205128 0.3930333817
## 1028
        0.0405809483 0.0456950457 0.000000000 0.0434981685 0.4240928882
## 1029
         0.0422896198 0.0476190476 0.000000000 0.0453296703 0.4252539913
## 1030
        0.0632208458 0.0481000481 0.029906542 0.0663919414 0.4116110305
## 1031
        0.0516873131 0.0582010582 0.000000000 0.0554029304 0.4316400581
## 1032
        0.0059803503 0.0033670034 0.004361371 0.0064102564 0.3965166909
## 1033
        0.0145237078 0.0163540164 0.000000000 0.0155677656 0.4063860668
## 1034
         0.0657838531 0.0206830207 0.069158879 0.0595238095 0.3767779390
## 1035
         0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 1036
         0.0166595472 0.0033670034 0.019937695 0.0160256410 0.3892597968
## 1037
        0.1012387868 0.0101010101 0.100934579 0.0618131868 0.3555878084
         0.0179410508 0.0202020202 0.000000000 0.0192307692 0.4087082729
## 1038
## 1039
         0.0106791969 0.0120250120 0.000000000 0.0114468864 0.4037735849
## 1040
        ## 1041
        0.0918410935 0.0115440115 0.119003115 0.0874542125 0.3480406386
## 1042
        0.0081161897 0.0091390091 0.000000000 0.0086996337 0.4020319303
## 1043
        0.0145237078 0.0086580087 0.009968847 0.0151098901 0.3970972424
## 1044
        0.0085433575 0.0062530063 0.004361371 0.0073260073 0.3982583454
## 1045
         0.0128150363 0.0000000000 0.018691589 0.0137362637 0.3878084180
## 1046
        0.0234942332 0.0081770082 0.023676012 0.0247252747 0.3904208999
## 1047
         0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 1048
        0.0068346860 0.0076960077 0.000000000 0.0073260073 0.4011611030
        0.0123878684 0.0062530063 0.009968847 0.0123626374 0.3956458636
## 1049
## 1050
         0.0226398975 0.0062530063 0.024922118 0.0201465201 0.3886792453
        0.0290474156 0.0019240019 0.032398754 0.0265567766 0.3825834543
```

```
## 1052
         0.0320375908 0.0192400192 0.021806854 0.0302197802 0.3979680697
        0.0264844084 0.0024050024 0.009345794 0.0196886447 0.3936139332
## 1053
## 1054
         0.0303289193 0.0153920154 0.024299065 0.0233516484 0.3944847605
## 1055
         0.0563861598 0.0004810005 0.030529595 0.0531135531 0.3825834543
## 1056
         0.0380179411 0.0298220298 0.016822430 0.0402930403 0.4066763425
## 1057
         0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 1058
         0.0183682187 0.0149110149 0.007476636 0.0187728938 0.4020319303
## 1059
         0.0333190944 0.0202020202 0.022429907 0.0238095238 0.3982583454
## 1060
         0.0183682187 0.0153920154 0.006853583 0.0196886447 0.4026124819
## 1061
         0.0166595472 0.0014430014 0.011838006 0.0151098901 0.3918722787
## 1062
         0.0247757369 0.0278980279 0.000000000 0.0265567766 0.4133526851
## 1063
         0.0397266126 0.0341510342 0.013707165 0.0425824176 0.4107402032
## 1064
         0.0529688167 0.0596440596 0.000000000 0.0567765568 0.4325108853
## 1065
         0.0111063648 0.0125060125 0.000000000 0.0119047619 0.4040638607
## 1066
         0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 1067
         0.3255019223 0.3665223665 0.000000000 0.3489010989 0.6177068215
## 1068
         0.1977787270 0.2227032227 0.000000000 0.2119963370 0.5309143687
## 1069
         0.0226398975 0.0009620010 0.030529595 0.0219780220 0.3828737300
## 1070
         0.0085433575 0.0096200096 0.000000000 0.0091575092 0.4023222061
## 1071
         0.0384451089 0.0057720058 0.003738318 0.0343406593 0.3982583454
## 1072
         0.2934643315 0.0024050024 0.013084112 0.3104395604 0.3918722787
## 1073
        0.0098248612 0.0019240019 0.004984424 0.0082417582 0.3953555878
         0.0243485690 0.0028860029 0.027414330 0.0224358974 0.3854862119
## 1074
## 1075
         0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 1076
         0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 1077
         0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 1078
        0.0140965399 0.0158730159 0.000000000 0.0151098901 0.4060957910
         0.0392994447 0.0125060125 0.041121495 0.0366300366 0.3849056604
## 1079
## 1080
         0.0294745835 0.0331890332 0.000000000 0.0315934066 0.4165457184
## 1081
         0.0179410508 0.0202020202 0.000000000 0.0192307692 0.4087082729
## 1082
        0.0205040581 0.0081770082 0.019314642 0.0164835165 0.3924528302
## 1083
         0.0243485690 0.0004810005 0.019937695 0.0228937729 0.3875181422
## 1084
         0.0196497223 0.0149110149 0.009345794 0.0196886447 0.4011611030
## 1085
         0.0234942332 0.0072150072 0.024922118 0.0210622711 0.3892597968
## 1086
         0.0226398975 0.0254930255 0.000000000 0.0242673993 0.4119013062
## 1087
         0.0192225545 0.0052910053 0.014953271 0.0151098901 0.3927431060
         0.0200768902 0.0014430014 0.010591900 0.0146520147 0.3924528302
## 1088
## 1089
         0.0205040581 0.0004810005 0.023052960 0.0215201465 0.3860667634
## 1090
         0.0303289193 0.0226070226 0.014953271 0.0306776557 0.4031930334
## 1091
         0.0051260145 0.0057720058 0.000000000 0.0054945055 0.4000000000
## 1092
         0.0166595472 0.0009620010 0.023052960 0.0169413919 0.3863570392
## 1093
         0.0068346860 0.0076960077 0.000000000 0.0073260073 0.4011611030
## 1094
         0.0422896198 0.0250120250 0.029283489 0.0434981685 0.3979680697
## 1095
         0.0111063648 0.0096200096 0.003738318 0.0119047619 0.4005805515
## 1096
         0.0350277659 0.0014430014 0.037383178 0.0329670330 0.3799709724
## 1097
         0.0209312260 0.0048100048 0.017445483 0.0169413919 0.3912917271
## 1098
         0.0158052114 0.0009620010 0.008099688 0.0137362637 0.3933236575
         0.0286202478 0.0096200096 0.021183801 0.0210622711 0.3924528302
## 1099
## 1100
         0.0243485690 0.0125060125 0.019314642 0.0201465201 0.3950653120
        0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
```

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

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

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

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

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

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

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

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

```
0.0538231525 0.0606060606 0.000000000 0.0576923077 0.4330914369
## 1502
## 1503
        0.0794532251 0.0048100048 0.023052960 0.0792124542 0.3886792453
## 1504
         0.0153780436 0.0004810005 0.009345794 0.0146520147 0.3924528302
        0.0401537804 0.0062530063 0.009345794 0.0352564103 0.3959361393
## 1505
## 1506
         0.0807347287 0.0091390091 0.031152648 0.0709706960 0.3875181422
## 1507
         0.0961127723 0.0692640693 0.050467290 0.1021062271 0.4148040639
## 1508
         0.0149508757 0.0052910053 0.014953271 0.0160256410 0.3927431060
## 1509
         0.0965399402 0.1087061087 0.000000000 0.1034798535 0.4621190131
## 1510
         0.0064075182 0.0072150072 0.000000000 0.0068681319 0.4008708273
## 1511
         0.0158052114 0.0009620010 0.003738318 0.0160256410 0.3953555878
         0.1170439983 0.0014430014 0.121495327 0.1236263736 0.3407837446
## 1512
## 1513
         0.0542503204 0.0033670034 0.074766355 0.0558608059 0.3637155298
## 1514
         0.0867150790 0.0490620491 0.062928349 0.0929487179 0.3968069666
         0.1114908159 0.0014430014 0.160747664 0.1190476190 0.3224963716
## 1515
## 1516
         0.0029901751 0.0000000000 0.001869159 0.0027472527 0.3956458636
## 1517
         0.0482699701 0.0014430014 0.007476636 0.0467032967 0.3939042090
## 1518
         0.0542503204 0.0086580087 0.067912773 0.0567765568 0.3701015965
## 1519
         0.0286202478 0.0000000000 0.041744548 0.0306776557 0.3770682148
         0.0046988466 0.0009620010 0.005607477 0.0050366300 0.3944847605
## 1520
## 1521
         0.0568133276 0.0014430014 0.018691589 0.0590659341 0.3886792453
## 1522
         0.1798376762 0.0038480038 0.034890966 0.1858974359 0.3825834543
## 1523
         0.4305852200 0.0149110149 0.608722741 0.4491758242 0.1219158200
## 1524
         0.0388722768 0.0437710438 0.000000000 0.0416666667 0.4229317852
## 1525
         0.2998718496 0.3376623377 0.000000000 0.3214285714 0.6002902758
## 1526
         0.1093549765 0.0000000000 0.000000000 0.1172161172 0.3965166909
## 1527
         0.0106791969 0.0009620010 0.004984424 0.0105311355 0.3947750363
         0.1473729176 0.0413660414 0.161370717 0.1506410256 0.3462989840
## 1528
         0.1187526698 0.0288600289 0.135825545 0.1263736264 0.3506531205
## 1529
## 1530
         0.0747543785 0.0038480038 0.044236760 0.0760073260 0.3782293179
## 1531
         0.0281930799 0.0317460317 0.000000000 0.0302197802 0.4156748911
## 1532
        0.0747543785 0.0004810005 0.026791277 0.0787545788 0.3843251089
## 1533
         0.2088850918 0.2352092352 0.000000000 0.2239010989 0.5384615385
## 1534
         0.1067919692 0.0173160173 0.133333333 0.1112637363 0.3448476052
## 1535
         0.1879538659 0.0278980279 0.238006231 0.1826923077 0.3024673440
## 1536
         0.0807347287 0.0909090909 0.000000000 0.0865384615 0.4513788099
## 1537
         0.1819735156 0.0096200096 0.138317757 0.1826923077 0.3378809869
         0.0192225545 0.0216450216 0.000000000 0.0206043956 0.4095791001
## 1538
## 1539
         0.0495514737 0.0052910053 0.065420561 0.0485347985 0.3692307692
## 1540
         0.0448526271 0.0000000000 0.002492212 0.0471611722 0.3953555878
        0.5719777873 0.0226070226 0.076635514 0.5485347985 0.3744557329
## 1541
## 1542
         0.0909867578 0.0014430014 0.050467290 0.0956959707 0.3738751814
## 1543
         0.0307560871 0.0081770082 0.034267913 0.0315934066 0.3854862119
## 1544
         0.1610422896 0.0052910053 0.033021807 0.1639194139 0.3843251089
         0.0243485690 0.0000000000 0.003115265 0.0247252747 0.3950653120
## 1545
## 1546
         0.0162323793 0.0000000000 0.001869159 0.0164835165 0.3956458636
## 1547
         0.1413925673 0.0048100048 0.200000000 0.1474358974 0.3062409289
## 1548
         0.0179410508 0.0004810005 0.025545171 0.0192307692 0.3849056604
         0.1170439983 0.0101010101 0.157632399 0.1240842491 0.3291727141
## 1549
## 1550
         0.1012387868 0.0019240019 0.012461059 0.1048534799 0.3918722787
        0.3421614695 0.3852813853 0.000000000 0.3667582418 0.6290275762
```

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

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

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

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

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

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

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

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

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

```
## 150
         0.81944444 5.121043e-04 2.333303e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 151
         0.04166667 1.722533e-03 3.755376e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 152
         0.61111111 1.722533e-03 1.415169e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 153
         0.18055556 3.817505e-03 2.740596e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 154
         0.37500000 1.303538e-03 1.863881e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 155
         0.13888889 2.234637e-03 2.995326e-02
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 156
         0.70833333 8.845438e-04 1.491105e-03
                                                  NaN 1.00000000
                                                                          1
                                                                               0
                                                                     0
## 157
         0.87500000 6.517691e-04 1.056199e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.91666667 2.327747e-03 1.357182e-02
## 158
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 159
         0.06944444 3.631285e-03 2.837242e-03
                                                  NaN 1.00000000
                                                                          0
                                                                                1
                                                                     0
## 160
         0.90277778 6.517691e-04 2.112399e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 161
         0.80555556 1.024209e-03 1.187362e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 162
         0.1111111 2.234637e-03 1.808655e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 163
         0.02777778 6.517691e-04 1.781042e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 164
         0.52777778 9.124767e-03 7.462429e-03
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 165
         0.1111111 1.527002e-02 1.234994e-02
                                                  NaN 1.00000000
                                                                               0
## 166
         0.63888889 8.845438e-04 2.298787e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 167
         0.50000000 4.376164e-03 4.728736e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 168
         0.29166667 2.001862e-03 1.118329e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 169
         0.40277778 6.517691e-04 2.229754e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 170
         0.01388889 1.722533e-03 4.293831e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
         0.66666667 9.776536e-04 4.355960e-03
## 171
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 172
         0.1111111 6.517691e-04 4.162669e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 173
         0.45833333 9.310987e-04 1.049296e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 174
         0.48611111 3.258845e-03 6.696167e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 175
         0.27777778 1.862197e-03 2.685370e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 176
         0.2222222 6.517691e-04 7.918044e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 177
         0.58333333 8.845438e-04 1.636074e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 178
         0.13888889 3.491620e-03 1.346137e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 179
         0.33333333 8.845438e-04 2.188335e-03
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 180
         0.05555556 1.303538e-03 2.678467e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 181
         0.29166667 1.210428e-03 3.154792e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 182
         0.08333333 6.517691e-04 2.312594e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.52777778 1.256983e-03 6.627134e-04
## 183
                                                  NaN 1.00000000
                                                                          0
                                                                                0
## 184
         0.41666667 1.303538e-03 3.486149e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 185
         0.63888889 1.163873e-03 3.679440e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.83333333 2.467412e-03 7.179395e-04
## 186
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 187
         0.31944444 5.121043e-03 3.589698e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 188
         0.16666667 9.776536e-04 2.381626e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 189
         0.91666667 3.072626e-03 2.174528e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 190
         0.47222222 4.562384e-03 7.110362e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 191
         0.62500000 0.000000e+00 1.249491e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 192
         1.00000000 9.776536e-04 1.442782e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 193
         0.77777778 5.121043e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 194
         0.04166667 0.000000e+00 5.674483e-03
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 195
         0.02777778 1.769088e-03 3.106469e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 196
         0.56944444 6.983240e-04 1.946721e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 197
         0.01388889 1.354749e-02 1.905301e-03
                                                                               0
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 198
         0.77777778 9.776536e-04 1.049296e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.26388889 2.234637e-03 2.754403e-03
## 199
                                                  NaN 1.00000000
                                                                     0
                                                                               0
```

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

```
## 250
         0.98611111 4.888268e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 251
         0.58333333 1.261639e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.37500000 5.358473e-02 7.041330e-04
## 252
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 253
         0.79166667 3.356611e-02 3.520665e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 254
         0.23611111 1.590782e-01 5.660677e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 255
         0.86111111 1.261639e-02 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 256
         0.73611111 6.070764e-02 1.518718e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
##
  257
         0.25000000 4.329609e-02 8.560048e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 258
         0.91666667 4.143389e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 259
         0.73611111 1.713222e-02 3.934861e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 260
         0.08333333 1.117318e-02 5.315514e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 261
         0.54166667 0.000000e+00 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 262
         0.63888889 1.097765e-01 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 263
         0.68055556 5.074488e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 264
         0.05555556 2.141527e-02 6.558101e-03
                                                                                0
                                                  NaN 1.00000000
                                                                     1
                                                                          0
##
  265
         0.84722222 9.138734e-02 5.936808e-04
                                                  NaN 1.00000000
                                                                     1
                                                                                0
##
  266
         0.37500000 5.633147e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 267
         0.76388889 2.751397e-02 9.181342e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
##
  268
         0.06944444 8.891993e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 269
         0.50000000 6.750466e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 270
         0.47222222 2.458101e-02 4.349057e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 271
         0.25000000 4.776536e-02 3.865828e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 272
         0.26388889 1.573557e-02 1.656783e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 273
         0.62500000 9.869646e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
  274
##
         0.52777778 4.003724e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
##
  275
         0.80555556 1.000931e-02 2.001947e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 276
         0.91666667 5.679702e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     1
## 277
         0.06944444 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 278
         0.70833333 1.331471e-02 4.901318e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 279
         0.13888889 3.351955e-03 6.903265e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
## 280
         0.81944444 0.000000e+00 2.070979e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 281
         0.87500000 5.391061e-02 5.729710e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
##
  282
         0.23611111 3.384544e-02 6.489069e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.40277778 1.499069e-02 5.591644e-04
## 283
                                                  NaN 1.00000000
                                                                          1
                                                                                0
##
  284
         0.30555556 1.163873e-03 1.104522e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 285
         0.36111111 1.070764e-03 2.830338e-04
                                                  NaN 1.00000000
                                                                          1
                                                                     0
                                                                                0
         0.27777778 6.899441e-02 1.000973e-03
## 286
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 287
         0.70833333 2.001862e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
         0.77777778 2.094972e-02 1.794849e-04
## 288
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
  289
         0.15277778 9.092179e-02 1.076909e-03
##
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  290
         0.30555556 1.345438e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 291
         0.91666667 4.189944e-04 3.451632e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 292
         0.1111111 5.167598e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 293
         0.2222222 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 294
         0.13888889 2.295158e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 295
         0.0555556 1.075419e-02 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 296
         0.20833333 1.303538e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 297
         0.2222222 1.797020e-02 5.156739e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 298
         0.68055556 5.493482e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 299
         0.30555556 2.141527e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                1
```

```
## 300
         0.06944444 1.303538e-03 1.932914e-04
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 301
         0.50000000 1.133147e-01 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 302
         0.27777778 4.152700e-02 7.662624e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 303
         0.31944444 1.550279e-02 5.177448e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 304
         0.41666667 5.307263e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 305
         0.88888889 1.205773e-02 0.000000e+00
                                                  NaN 0.21739130
                                                                     0
                                                                          0
                                                                               1
## 306
         0.65277778 2.113594e-01 3.520665e-04
                                                  NaN 0.91304348
                                                                               1
                                                                     0
                                                                          0
##
  307
         0.36111111 4.823091e-02 2.050270e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 308
         0.30555556 1.084730e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 309
         0.1111111 7.700186e-02 2.968404e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               1
                                                                     0
## 310
         0.08333333 9.357542e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 311
         0.79166667 1.191806e-02 1.380653e-05
                                                  NaN 0.30434783
                                                                     0
                                                                          0
                                                                               1
## 312
         0.01388889 3.133147e-02 1.242588e-04
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 313
         0.86111111 3.696462e-02 4.901318e-04
                                                  NaN 0.08695652
                                                                     0
                                                                          0
                                                                               1
## 314
         0.44444444 1.415270e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 315
         0.5555556 1.883147e-01 3.175502e-04
                                                  NaN 0.95652174
                                                                               1
## 316
         0.1111111 4.795158e-02 1.346137e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 317
         0.43055556 7.448790e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 318
         0.79166667 0.000000e+00 5.936808e-04
                                                  NaN 0.13043478
                                                                     0
                                                                          0
                                                                               1
## 319
         0.0555556 3.864060e-02 7.455526e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 320
         0.04166667 1.182495e-02 1.656783e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 321
         0.04166667 2.513966e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 322
         0.15277778 9.590317e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 323
         0.26388889 4.571695e-02 4.072926e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 324
         0.54166667 1.443203e-03 1.380653e-05
                                                  NaN 0.34782609
                                                                          0
                                                                               0
## 325
         0.30555556 4.655493e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.16666667 1.047486e-02 2.623241e-04
## 326
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 327
         0.01388889 1.722533e-03 4.280024e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 328
         0.00000000 1.270950e-02 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 329
         0.23611111 1.859404e-01 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 330
         0.15277778 1.378026e-02 3.106469e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 331
         0.18055556 6.685289e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
##
  332
         0.20833333 6.890130e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.54166667 1.870577e-01 6.627134e-04
## 333
                                                  NaN 0.00000000
                                                                               0
         0.04166667 1.303538e-02 1.311620e-04
## 334
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 335
         0.12500000 4.776536e-02 9.181342e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
         0.20833333 1.582868e-03 2.070979e-04
## 336
                                                  NaN 0.86956522
                                                                     0
                                                                          0
                                                                               0
## 337
         0.47222222 3.724395e-03 1.794849e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 338
         0.95833333 4.096834e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 339
         0.7222222 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 340
         0.97222222 4.143389e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 341
         0.59722222 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 342
         0.66666667 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 343
                                                                               0
         0.58333333 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 344
         0.12500000 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 345
         0.05555556 4.795158e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 346
         0.43055556 1.056797e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 347
                                                                               0
         0.43055556 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
## 348
         0.00000000 7.495345e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 349
         0.12500000 2.653631e-03 9.602441e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
```

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

```
## 400
         0.61111111 7.448790e-04 9.409150e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 401
         0.50000000 8.985102e-03 1.145942e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 402
         0.69444444 2.467412e-03 3.506858e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 403
         0.02777778 6.890130e-03 7.110362e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 404
         0.62500000 1.256983e-02 6.972297e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 405
         0.44444444 3.850093e-02 1.960527e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 406
         0.43055556 2.378957e-02 3.589698e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 407
         0.38888889 9.310987e-03 8.698113e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 408
         0.79166667 2.039106e-02 9.630054e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 409
         0.41666667 2.039106e-02 1.006496e-02
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 410
         0.88888889 0.000000e+00 6.074873e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 411
         0.51388889 1.834264e-02 8.767146e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 412
         0.80555556 0.000000e+00 6.005840e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 413
         0.69444444 1.117318e-03 1.083813e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 414
         0.40277778 1.838920e-02 5.108416e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 415
         0.1111111 1.429236e-02 4.210991e-04
                                                  NaN 1.00000000
                                                                                0
## 416
         0.69444444 1.163873e-03 7.041330e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 417
         0.47222222 1.997207e-02 6.765199e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 418
         0.93055556 1.396648e-03 4.556155e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 419
         0.45833333 2.202048e-02 1.104522e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 420
         0.02777778 1.936685e-02 2.001947e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 421
         0.88888889 7.700186e-02 2.913178e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 422
         0.63888889 9.683426e-03 5.108416e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 423
         0.13888889 9.404097e-03 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 424
         0.61111111 0.000000e+00 1.311620e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                1
## 425
         0.61111111 0.000000e+00 2.968404e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 426
         0.40277778 0.000000e+00 1.725816e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 427
         0.36111111 0.000000e+00 1.829365e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 428
         0.75000000 1.210428e-03 7.593591e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 429
         0.52777778 8.472998e-03 8.905211e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 430
         0.62500000 1.382682e-02 1.725816e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 431
         0.91666667 1.108007e-02 2.692273e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 432
         0.79166667 1.489758e-02 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 433
         0.5555556 1.443203e-02 1.642977e-03
                                                  NaN 1.00000000
                                                                                0
## 434
         0.97222222 0.000000e+00 7.041330e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 435
         0.34722222 2.476723e-02 2.485175e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.01388889 2.039106e-02 9.250375e-04
## 436
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 437
         0.09722222 0.000000e+00 4.349057e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 438
         0.70833333 0.000000e+00 2.561111e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 439
         0.44444444 1.820298e-02 5.315514e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 440
         0.90277778 1.019553e-02 5.729710e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 441
         0.54166667 1.750466e-02 3.865828e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 442
         0.91666667 2.094972e-03 3.175502e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 443
         0.65277778 1.722533e-03 1.035490e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 444
         0.65277778 1.629423e-03 1.049296e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 445
         0.83333333 3.119181e-03 9.802636e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 446
         0.29166667 2.974860e-02 8.145852e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 447
         0.83333333 1.722533e-03 1.139039e-03
                                                                                0
                                                  NaN 1.00000000
                                                                     1
                                                                          0
## 448
         0.05555556 7.821229e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 449
         0.95833333 3.296089e-02 3.175502e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
```

```
## 450
         0.91666667 5.121043e-04 4.280024e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 451
         0.15277778 9.357542e-03 9.526505e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 452
         0.66666667 7.946927e-02 1.560138e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 453
         0.75000000 2.164804e-02 4.832285e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 454
         0.59722222 8.147114e-03 4.487122e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 455
         0.80555556 0.000000e+00 6.281971e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 456
         0.27777778 7.900372e-02 1.663687e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 457
         0.5555556 1.303538e-03 2.271174e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 458
         0.51388889 8.566108e-03 8.076820e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 459
         0.63888889 1.536313e-03 4.556155e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 460
         0.20833333 0.000000e+00 5.315514e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 461
         0.84722222 1.703911e-02 3.727763e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 462
         0.16666667 1.117318e-03 4.970350e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 463
         0.01388889 1.820298e-02 2.830338e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 464
         0.41666667 7.448790e-03 6.074873e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 465
         0.81944444 1.028864e-02 1.014780e-03
                                                  NaN 1.00000000
                                                                                0
## 466
         0.91666667 1.317505e-02 1.725816e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 467
         0.40277778 6.378026e-03 2.347110e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 468
         0.11111111 1.103352e-02 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.09722222 7.262570e-03 3.106469e-04
## 469
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 470
         0.34722222 2.183426e-02 1.518718e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 471
         0.15277778 1.191806e-02 9.595538e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 472
         0.83333333 3.817505e-03 1.898398e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 473
         0.30555556 2.453445e-02 2.692273e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 474
         0.69444444 1.540968e-02 9.802636e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
## 475
         0.43055556 4.329609e-03 4.280024e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 476
         0.31944444 2.327747e-03 1.007877e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 477
         0.34722222 1.894786e-02 1.781042e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 478
         0.00000000 1.070764e-03 3.175502e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 479
         0.59722222 2.346369e-02 4.901318e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 480
         0.34722222 1.717877e-02 6.627134e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 481
         0.43055556 1.173184e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 482
         0.90277778 1.201117e-02 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 483
         0.12500000 9.590317e-03 3.631117e-03
                                                  NaN 1.00000000
                                                                          0
                                                                                0
         0.98611111 1.499069e-02 8.974244e-04
## 484
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.41666667 2.411546e-02 4.687317e-03
## 485
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 486
         0.33333333 2.476723e-02 1.498008e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 487
         0.34722222 6.289572e-02 2.409239e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 488
         0.2222222 1.559590e-02 2.347110e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 489
         0.81944444 9.450652e-03 2.429949e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 490
         0.59722222 2.653631e-03 2.616337e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 491
         0.31944444 3.635940e-02 1.435879e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 492
         0.15277778 3.379888e-02 7.869722e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 493
         0.00000000 2.216015e-02 8.145852e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 494
         0.95833333 1.378026e-02 7.662624e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 495
         0.79166667 3.412477e-02 7.317460e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 496
         0.31944444 1.485102e-02 1.221878e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 497
         0.20833333 4.236499e-03 1.718913e-03
                                                                                0
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 498
         0.63888889 1.177840e-02 1.912204e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 499
         0.09722222 1.084730e-02 1.214975e-03
                                                  NaN 1.00000000
                                                                     0
                                                                                0
```

```
0.19444444 1.354749e-02 7.662624e-04
## 500
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 501
         0.23611111 1.014898e-02 2.008850e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 502
         0.93055556 1.159218e-02 4.901318e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 503
         0.01388889 1.191806e-02 4.970350e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 504
         0.54166667 8.240223e-03 7.248428e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 505
         0.65277778 0.000000e+00 1.063103e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 506
         0.30555556 1.862197e-02 4.141959e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 507
         0.76388889 0.000000e+00 8.629081e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 508
         0.16666667 2.001862e-03 3.865828e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 509
         0.84722222 5.633147e-03 1.070006e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 510
         0.94444444 8.612663e-03 3.175502e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 511
         0.00000000 2.234637e-03 9.319407e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 512
         0.2222222 2.700186e-03 2.844145e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 513
         0.2222222 9.590317e-03 8.421983e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 514
         0.16666667 1.308194e-02 1.014780e-03
                                                                          1
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 515
         0.76388889 7.621043e-02 4.487122e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 516
         0.20833333 2.458101e-02 4.901318e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 517
         0.31944444 9.543762e-03 7.662624e-04
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 518
         0.58333333 3.026071e-03 3.838215e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 519
         0.88888889 1.280261e-02 4.970350e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 520
         0.3333333 1.945996e-02 4.694220e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 521
         0.80555556 2.188082e-03 1.132135e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 522
         0.29166667 2.388268e-02 2.436852e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 523
         0.56944444 1.215084e-02 7.041330e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 524
         0.41666667 1.256983e-02 5.522612e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
## 525
         0.69444444 1.024209e-03 7.524558e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 526
         0.43055556 4.189944e-03 6.627134e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.12500000 1.280261e-02 3.002920e-03
## 527
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 528
         0.2222222 4.189944e-03 6.834232e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 529
         0.50000000 1.582868e-03 2.457562e-03
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 530
         0.54166667 3.119181e-03 2.761306e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 531
         0.79166667 2.094972e-03 7.524558e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 532
         0.68055556 1.238361e-02 8.491015e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 533
         0.54166667 2.188082e-03 4.072926e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
## 534
         0.50000000 1.108007e-02 5.522612e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 535
         0.31944444 1.396648e-02 1.132135e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.52777778 0.000000e+00 2.070979e-05
## 536
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 537
         0.68055556 0.000000e+00 4.487122e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 538
         0.73611111 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 539
         0.90277778 6.890130e-03 2.140012e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 540
         0.79166667 1.582868e-03 9.595538e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 541
         0.69444444 1.368715e-02 2.347110e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 542
         0.12500000 2.001862e-03 5.936808e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 543
         0.76388889 1.927374e-02 1.491105e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 544
         0.59722222 1.238361e-02 1.063103e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 545
         0.77777778 0.000000e+00 5.315514e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 546
         0.69444444 0.000000e+00 1.318524e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 547
                                                                                0
         0.52777778 8.798883e-03 1.863881e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
## 548
         0.29166667 4.841713e-03 3.934861e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 549
         0.30555556 2.234637e-03 2.761306e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
```

```
## 550
         0.40277778 3.584730e-03 1.284007e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.20833333 4.376164e-03 4.694220e-04
## 551
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 552
         0.37500000 1.629423e-03 4.418089e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 553
         0.63888889 1.629423e-03 3.106469e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 554
         0.08333333 4.469274e-03 5.453579e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 555
         0.37500000 2.877095e-02 3.796796e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 556
         0.48611111 9.823091e-03 8.214885e-04
                                                  NaN 0.82608696
                                                                                0
                                                                     0
                                                                          0
## 557
         0.84722222 4.329609e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 558
         0.12500000 4.841713e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 559
         0.70833333 1.769088e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 560
         0.44444444 1.005587e-02 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 561
         0.50000000 5.540037e-03 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 562
         0.20833333 4.702048e-03 8.698113e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 563
         0.23611111 4.841713e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 564
         0.45833333 4.562384e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 565
         0.29166667 5.446927e-03 1.518718e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 566
         0.51388889 3.491620e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 567
         0.50000000 3.072626e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 568
         0.66666667 7.635009e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 569
         0.44444444 3.258845e-03 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 570
         0.69444444 1.163873e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 571
         0.04166667 1.536313e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 572
         0.26388889 5.214153e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 573
         0.61111111 4.003724e-03 1.463492e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 574
         0.06944444 9.636872e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
## 575
         0.47222222 7.588454e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 576
         0.58333333 5.865922e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 577
         0.27777778 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 578
         0.31944444 4.655493e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 579
         0.45833333 5.493482e-03 2.761306e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 580
         0.48611111 4.422719e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 581
         1.00000000 9.217877e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 582
         0.54166667 8.426443e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 583
         0.36111111 8.147114e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                                0
## 584
         0.16666667 2.281192e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 585
         0.58333333 4.748603e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.31944444 3.351955e-03 1.725816e-04
## 586
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 587
         0.36111111 5.679702e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
         0.76388889 6.843575e-03 8.283917e-05
## 588
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 589
         0.4444444 5.353818e-03 3.313567e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 590
         0.63888889 5.446927e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 591
         0.90277778 7.728119e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 592
         0.93055556 4.934823e-03 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 593
         0.58333333 4.422719e-03 1.932914e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 594
         0.50000000 4.562384e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 595
         0.95833333 2.607076e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 596
         0.27777778 3.910615e-03 1.256394e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 597
         0.27777778 7.122905e-03 1.173555e-04
                                                                                0
                                                  NaN 1.00000000
                                                                     0
                                                                          1
## 598
         0.93055556 5.214153e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.66666667 9.590317e-03 1.380653e-04
## 599
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
```

```
## 600
         0.16666667 5.214153e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 601
         0.06944444 8.007449e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 602
         0.93055556 5.633147e-03 2.001947e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 603
         0.13888889 1.666667e-02 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 604
         0.76388889 7.774674e-03 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 605
         0.55555556 1.247672e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 606
         0.01388889 7.448790e-03 5.729710e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
##
  607
         0.81944444 8.798883e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 608
         0.19444444 1.759777e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 609
         0.75000000 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 610
         0.45833333 5.726257e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.88888889 8.007449e-03 6.903265e-06
## 611
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 612
         0.50000000 7.216015e-03 5.218868e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 613
         0.75000000 7.216015e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.02777778 4.096834e-03 1.242588e-04
                                                  NaN 1.00000000
## 614
                                                                     0
                                                                          0
                                                                                0
## 615
         0.97222222 9.497207e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 616
         0.15277778 8.007449e-03 8.076820e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 617
         0.18055556 6.703911e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 618
         0.41666667 3.677840e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 619
         0.56944444 3.072626e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 620
         0.62500000 5.586592e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 621
         0.43055556 6.424581e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 622
         0.94444444 8.472998e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 623
         0.98611111 3.910615e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 624
         0.38888889 9.543762e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     1
                                                                                0
## 625
         0.44444444 9.543762e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 626
         0.86111111 7.309125e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          1
         0.61111111 6.936685e-03 9.664570e-05
## 627
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.52777778 9.590317e-03 1.311620e-04
## 628
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 629
         0.36111111 7.681564e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
         0.48611111 5.400372e-03 6.903265e-06
## 630
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 631
         0.40277778 6.284916e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 632
         0.86111111 5.819367e-03 6.903265e-06
                                                  NaN 0.34782609
                                                                     0
                                                                          0
                                                                                1
## 633
         0.02777778 6.564246e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                                1
## 634
         0.45833333 6.564246e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 635
         0.88888889 2.700186e-03 0.000000e+00
                                                  NaN 0.08695652
                                                                                1
                                                                     0
                                                                          0
         0.30555556 3.351955e-03 6.903265e-06
## 636
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 637
         0.68055556 7.728119e-03 1.380653e-04
                                                  NaN 0.73913043
                                                                          0
                                                                                1
                                                                     0
         0.34722222 2.560521e-03 6.903265e-06
## 638
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 639
         0.77777778 2.234637e-03 6.903265e-06
                                                  NaN 0.39130435
                                                                     0
                                                                          0
                                                                                1
## 640
         0.12500000 4.143389e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                                1
                                                                          0
## 641
         0.38888889 1.769088e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 642
         0.15277778 1.955307e-03 1.104522e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 643
         0.63888889 2.094972e-03 0.000000e+00
                                                  NaN 0.78260870
                                                                     0
                                                                          0
                                                                                1
## 644
         0.77777778 2.607076e-03 0.000000e+00
                                                  NaN 0.34782609
                                                                                1
                                                                     0
                                                                          0
## 645
         0.70833333 2.420857e-03 6.903265e-06
                                                  NaN 0.52173913
                                                                     0
                                                                          0
                                                                                1
## 646
         0.30555556 2.746741e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.47222222 1.303538e-03 0.000000e+00
## 647
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 648
         0.31944444 2.420857e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 649
         0.65277778 3.724395e-03 6.903265e-06
                                                  NaN 0.69565217
                                                                     0
                                                                                1
```

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

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

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

```
## 800
         0.08333333 8.472998e-03 2.830338e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 801
         0.90277778 1.443203e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 802
         0.97222222 4.189944e-04 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 803
         0.84722222 1.163873e-03 2.070979e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 804
         0.84722222 3.119181e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 805
         0.70833333 3.072626e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 806
         0.52777778 8.379888e-04 2.554208e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 807
         0.20833333 1.629423e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 808
         0.62500000 3.957169e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 809
         0.2222222 3.957169e-03 1.104522e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 810
         0.33333333 8.379888e-04 1.518718e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 811
         0.23611111 2.793296e-03 3.106469e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 812
         0.68055556 4.748603e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 813
         0.90277778 3.910615e-03 1.863881e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 814
         0.29166667 4.189944e-04 3.693247e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 815
         0.61111111 5.493482e-03 2.623241e-04
                                                  NaN 1.00000000
                                                                     1
                                                                                0
## 816
         0.87500000 5.446927e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 817
         0.4444444 6.983240e-04 2.761306e-05
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 818
         0.58333333 1.675978e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.04166667 1.536313e-03 1.173555e-04
## 819
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 820
         0.73611111 4.003724e-03 2.001947e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 821
         0.51388889 2.420857e-03 2.485175e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.86111111 4.096834e-03 5.246481e-04
## 822
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 823
         0.41666667 1.862197e-03 2.347110e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 824
         0.50000000 3.305400e-03 1.863881e-04
                                                  NaN 1.00000000
                                                                          1
                                                                                0
## 825
         0.97222222 6.517691e-04 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 826
         0.87500000 2.560521e-03 1.725816e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 827
         0.13888889 4.329609e-03 3.175502e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 828
         0.47222222 2.467412e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 829
         0.69444444 2.216015e-02 7.593591e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
## 830
         0.77777778 1.908752e-03 1.104522e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 831
         0.18055556 3.165736e-03 2.347110e-04
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 832
         0.77777778 9.310987e-04 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 833
         0.63888889 7.076350e-03 5.729710e-04
                                                  NaN 1.00000000
                                                                                0
## 834
         0.95833333 1.862197e-04 4.210991e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 835
         0.05555556 2.188082e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.31944444 6.517691e-04 8.974244e-05
## 836
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 837
         0.12500000 4.562384e-03 3.382600e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 838
         0.09722222 3.864060e-03 2.209045e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 839
         0.93055556 7.448790e-04 7.400300e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 840
         0.66666667 2.979516e-03 3.382600e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 841
         0.20833333 7.262570e-03 2.554208e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 842
         1.00000000 8.705773e-03 7.593591e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 843
         0.97222222 9.776536e-04 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 844
         0.54166667 5.074488e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 845
         0.48611111 1.350093e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 846
         0.33333333 2.374302e-03 3.313567e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 847
         0.90277778 8.379888e-03 2.209045e-04
                                                                                0
                                                  NaN 1.00000000
                                                                     0
                                                                          1
## 848
         0.02777778 3.724395e-04 2.830338e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.66666667 5.726257e-03 6.281971e-04
## 849
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
```

```
## 850
         0.33333333 4.655493e-04 4.280024e-04
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 851
         0.29166667 1.256983e-03 3.023630e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 852
         0.2222222 3.724395e-04 1.932914e-04
                                                  NaN 0.95652174
                                                                     0
                                                                          0
                                                                                0
## 853
         0.77777778 5.167598e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 854
         0.5555556 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 855
         0.20833333 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 856
         0.27777778 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 857
         0.34722222 1.736499e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 858
         0.18055556 2.253259e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 859
         0.44444444 2.420857e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 860
         1.00000000 5.912477e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.95833333 5.214153e-03 2.070979e-05
## 861
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 862
         0.95833333 2.886406e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
## 863
         0.33333333 8.147114e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 864
         0.97222222 5.446927e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 865
         0.1111111 6.564246e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 866
         0.00000000 5.586592e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.18055556 7.635009e-03 0.000000e+00
## 867
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 868
         0.18055556 7.914339e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.80555556 5.400372e-03 1.380653e-05
## 869
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 870
         0.88888889 5.400372e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 871
         0.04166667 1.629423e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.12500000 6.238361e-03 0.000000e+00
## 872
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 873
         0.93055556 1.047486e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 874
         0.29166667 1.717877e-02 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 875
         0.90277778 5.260708e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 876
         0.16666667 6.052142e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 877
         0.80555556 1.070764e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 878
         0.88888889 1.634078e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 879
         0.27777778 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 880
         0.45833333 2.420857e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 881
         0.61111111 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
##
  882
         0.08333333 5.121043e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 883
         0.95833333 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                1
## 884
         0.08333333 8.147114e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 885
         0.91666667 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.47222222 1.354749e-02 1.380653e-05
## 886
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 887
         0.83333333 2.886406e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 888
         0.48611111 7.448790e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 889
         0.66666667 1.187151e-02 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  890
         0.25000000 0.000000e+00 4.832285e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 891
         0.51388889 6.983240e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 892
         0.65277778 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 893
         0.06944444 3.021415e-02 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 894
         0.62500000 1.675978e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 895
         0.08333333 4.655493e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 896
         0.41666667 6.098696e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 897
         0.34722222 2.197393e-02 1.311620e-04
                                                                                0
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 898
         0.43055556 1.815642e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 899
         0.75000000 1.904097e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
```

```
## 900
         0.12500000 8.472998e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 901
         0.95833333 2.653631e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 902
         0.09722222 2.374302e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 903
         0.04166667 3.212291e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 904
         0.33333333 1.396648e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 905
         0.18055556 1.145251e-02 3.865828e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 906
         0.20833333 5.260708e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 907
         0.91666667 1.191806e-02 4.280024e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 908
         0.77777778 2.979516e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 909
         0.41666667 9.590317e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
         0.29166667 1.345438e-02 7.593591e-05
## 910
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 911
         0.38888889 4.515829e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 912
         0.81944444 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          1
## 913
         0.18055556 1.028864e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 914
         0.00000000 1.438547e-02 5.660677e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 915
         0.05555556 5.493482e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 916
         0.70833333 1.149907e-02 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 917
         0.59722222 4.748603e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 918
         0.1111111 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 919
         0.34722222 5.121043e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 920
         0.29166667 2.793296e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 921
         0.90277778 1.070764e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 922
         0.44444444 4.608939e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 923
         0.41666667 2.467412e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 924
         0.87500000 1.722533e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 925
         0.50000000 2.094972e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 926
         0.95833333 5.912477e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 927
         0.62500000 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 928
         0.63888889 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 929
         0.51388889 3.677840e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                                1
                                                                     0
## 930
         0.47222222 4.716015e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 931
         0.68055556 1.918063e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 932
         0.48611111 2.183426e-02 3.727763e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 933
         0.69444444 1.452514e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                1
## 934
         1.00000000 6.890130e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 935
         0.66666667 2.932961e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.79166667 0.000000e+00 2.761306e-05
## 936
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 937
         0.40277778 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 938
         0.51388889 1.205773e-02 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 939
         0.63888889 1.066108e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 940
         0.05555556 2.881750e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 941
         0.31944444 1.554935e-02 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 942
         0.30555556 8.379888e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 943
         0.93055556 9.776536e-04 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 944
         0.41666667 7.076350e-03 4.141959e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 945
         0.75000000 9.869646e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 946
         0.16666667 1.114060e-01 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 947
         0.02777778 5.623836e-02 6.903265e-06
                                                                                0
                                                  NaN 1.00000000
                                                                     0
                                                                          1
## 948
         0.06944444 6.005587e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 949
         0.62500000 6.517691e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
```

```
## 950
         0.45833333 4.143389e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 951
         0.01388889 6.843575e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 952
         0.00000000 4.050279e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 953
         0.29166667 2.094972e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 954
         0.40277778 2.094972e-03 2.001947e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 955
         0.59722222 1.350093e-02 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 956
         0.77777778 4.283054e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 957
         0.70833333 4.888268e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 958
         0.50000000 3.165736e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 959
         0.88888889 1.166201e-01 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                1
                                                                     0
## 960
         0.73611111 4.027002e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 961
         0.31944444 8.007449e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 962
         0.30555556 1.620112e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 963
         0.38888889 1.238361e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 964
         0.66666667 5.353818e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 965
         0.1111111 1.634078e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 966
         0.84722222 1.014898e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.3333333 3.263501e-02 1.380653e-04
## 967
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 968
         0.09722222 3.510242e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 969
         0.41666667 3.337989e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 970
         0.7777778 1.866853e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 971
         0.23611111 1.680633e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 972
         0.70833333 1.587523e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 973
         0.65277778 1.010242e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 974
         0.12500000 1.471136e-02 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 975
         0.61111111 1.545624e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 976
         0.20833333 1.103818e-01 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 977
         0.51388889 2.122905e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 978
         0.63888889 1.233706e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 979
         0.68055556 1.615456e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 980
         0.34722222 3.319367e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 981
         0.2222222 1.359404e-02 9.664570e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 982
         0.1111111 1.210428e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.88888889 1.680633e-02 6.903265e-06
## 983
                                                  NaN 1.00000000
                                                                     0
                                                                                1
## 984
         0.09722222 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 985
         0.40277778 2.756052e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.20833333 4.562384e-03 1.118329e-03
## 986
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 987
         0.65277778 2.467412e-03 6.420036e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 988
         0.70833333 4.329609e-03 2.899371e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 989
         0.97222222 5.074488e-03 3.796796e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 990
         0.40277778 6.471136e-03 3.451632e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 991
         0.68055556 8.379888e-04 4.210991e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 992
         0.54166667 7.169460e-03 7.317460e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 993
         0.69444444 5.540037e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 994
         0.2222222 4.189944e-03 8.214885e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 995
         0.16666667 9.217877e-03 4.694220e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 996
         0.70833333 9.264432e-03 2.001947e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 997
         0.73611111 6.517691e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 998
         0.18055556 8.472998e-03 3.451632e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 999
         0.86111111 8.193669e-03 2.989114e-03
                                                  NaN 1.00000000
                                                                     0
                                                                                0
```

```
## 1000
         0.16666667 1.112663e-02 3.382600e-04
                                                  NaN 1.00000000
                                                                               0
                                                                          0
## 1001
         0.79166667 1.033520e-02 1.145942e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1002
         0.66666667 1.042831e-02 3.727763e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1003
         0.34722222 1.000931e-02 5.453579e-04
                                                  NaN 1.00000000
                                                                          1
                                                                               0
                                                                     0
## 1004
         0.97222222 9.636872e-03 3.934861e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1005
         0.65277778 6.843575e-03 4.832285e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1006
         0.66666667 1.121974e-02 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1007
         0.43055556 7.635009e-03 8.905211e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1008
         1.00000000 6.750466e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1009
         0.52777778 3.026071e-03 3.865828e-04
                                                  NaN 1.00000000
                                                                          0
                                                                     0
                                                                               0
## 1010
         0.83333333 5.633147e-03 3.175502e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1011
         0.69444444 7.169460e-03 2.692273e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1012
         0.73611111 9.497207e-03 3.796796e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1013
         0.61111111 5.353818e-03 1.863881e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1014
         0.73611111 7.728119e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1015
         0.50000000 6.517691e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1016
         0.50000000 6.331471e-03 3.313567e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1017
         0.38888889 9.776536e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1018
         0.80555556 2.374302e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1019
         0.51388889 4.702048e-03 3.106469e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1020
         0.08333333 4.981378e-03 1.863881e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1021
         0.54166667 8.938547e-03 5.660677e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1022
         0.81944444 7.402235e-03 1.173555e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1023
         0.05555556 6.238361e-03 2.070979e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1024
         0.93055556 7.495345e-03 2.581821e-03
                                                  NaN 1.00000000
                                                                               0
## 1025
         0.55555556 7.914339e-03 5.729710e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1026
         0.18055556 7.122905e-03 4.832285e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
         0.83333333 2.234637e-03 1.311620e-04
## 1027
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1028
         0.20833333 1.368715e-02 3.796796e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1029
         0.08333333 1.243017e-02 2.623241e-04
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 1030
         0.38888889 6.098696e-03 9.457472e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1031
         0.33333333 1.084730e-02 2.554208e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1032
         0.5555556 2.746741e-03 3.106469e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1033
         0.19444444 1.005587e-02 1.173555e-04
                                                  NaN 1.00000000
                                                                               0
## 1034
         0.5555556 1.159218e-02 1.021683e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1035
         0.23611111 6.378026e-03 2.001947e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.62500000 5.865922e-03 3.658730e-04
## 1036
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1037
         0.88888889 1.052142e-02 3.520665e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1038
         0.2222222 4.283054e-03 4.210991e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1039
         0.12500000 5.446927e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1040
         0.84722222 6.098696e-03 3.244534e-04
                                                  NaN 1.00000000
                                                                     0
                                                                               1
                                                                          0
## 1041
         0.66666667 7.774674e-03 2.119302e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1042
         0.1111111 7.495345e-03 4.280024e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.48611111 6.703911e-03 2.554208e-04
## 1043
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1044
         0.47222222 1.089385e-02 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1045
         0.66666667 4.515829e-03 9.112309e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1046
         0.54166667 6.703911e-03 9.526505e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1047
         0.04166667 6.331471e-03 2.029560e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1048
         0.02777778 6.517691e-03 1.083813e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1049
         0.58333333 3.351955e-03 1.359943e-03
                                                 NaN 1.00000000
                                                                     0
                                                                               0
```

```
## 1050
         0.62500000 6.657356e-03 8.560048e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1051
         0.69444444 6.983240e-03 7.524558e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1052
         0.38888889 7.216015e-03 7.317460e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
         0.95833333 6.890130e-03 4.832285e-04
## 1053
                                                  NaN 1.00000000
                                                                          0
                                                                               1
                                                                     0
## 1054
         0.59722222 3.491620e-03 9.388440e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1055
         0.88888889 5.865922e-03 2.029560e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1056
         0.37500000 5.027933e-03 7.179395e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1057
         0.01388889 8.100559e-03 4.141959e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1058
         0.4444444 6.471136e-03 3.658730e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1059
         0.59722222 2.560521e-03 6.834232e-04
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 1060
         0.44444444 6.424581e-03 5.729710e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1061
         0.72222222 8.659218e-03 6.005840e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1062
         0.31944444 5.493482e-03 2.485175e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1063
         0.36111111 5.074488e-03 3.244534e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1064
         0.08333333 5.586592e-03 2.623241e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1065
         0.08333333 6.610801e-03 2.209045e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1066
         0.20833333 7.029795e-03 7.662624e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
         0.30555556 7.262570e-03 2.243561e-03
## 1067
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1068
         0.20833333 5.353818e-03 4.052216e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.72222222 4.795158e-03 4.901318e-04
## 1069
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1070
         0.2222222 8.054004e-03 4.625187e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1071
         0.94444444 6.750466e-03 3.382600e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1072
         0.86111111 6.610801e-03 2.857952e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1073
         0.87500000 6.610801e-03 5.522612e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1074
         0.69444444 9.404097e-03 6.558101e-04
                                                  NaN 1.00000000
                                                                                1
## 1075
         0.15277778 5.167598e-03 2.761306e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1076
         0.16666667 1.089385e-02 5.798742e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 1077
         0.09722222 7.914339e-03 2.347110e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1078
         0.3333333 7.309125e-03 4.210991e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1079
         0.61111111 7.495345e-03 3.727763e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1080
         0.29166667 3.910615e-03 2.333303e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1081
         0.33333333 1.019553e-02 3.244534e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1082
         0.58333333 9.590317e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1083
         0.88888889 9.357542e-03 4.418089e-04
                                                  NaN 1.00000000
                                                                                0
## 1084
         0.54166667 7.216015e-03 5.039383e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1085
         0.58333333 7.309125e-03 2.001947e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.26388889 9.217877e-03 2.623241e-04
## 1086
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1087
         0.75000000 8.938547e-03 6.005840e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          1
## 1088
         0.83333333 9.124767e-03 9.940701e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1089
         0.76388889 1.066108e-02 4.694220e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1090
         0.62500000 7.914339e-03 6.627134e-04
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1091
         0.27777778 9.031657e-03 2.761306e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.66666667 1.047486e-02 2.623241e-04
## 1092
                                                  NaN 1.00000000
                                                                          0
                                                                                0
         0.29166667 1.108007e-02 7.731656e-04
## 1093
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1094
         0.47222222 9.916201e-03 7.386493e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.37500000 7.169460e-03 2.899371e-04
## 1095
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1096
         0.86111111 6.843575e-03 4.487122e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1097
         0.69444444 6.983240e-03 3.589698e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1098
         0.94444444 9.078212e-03 2.001947e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.77777778 9.776536e-03 3.175502e-04
## 1099
                                                 NaN 1.00000000
                                                                               0
```

```
## 1100
         0.41666667 1.126629e-02 3.755376e-03
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1101
         0.02777778 8.426443e-03 2.070979e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1102
         0.29166667 9.031657e-03 3.796796e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.30555556 7.774674e-03 3.589698e-04
                                                 NaN 0.73913043
## 1103
                                                                     0
                                                                          0
                                                                               0
## 1104
         0.09722222 5.121043e-04 5.798742e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1105
         0.66666667 6.517691e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1106
         0.44444444 2.746741e-03 0.000000e+00
                                                 NaN 0.78260870
                                                                     0
                                                                          0
                                                                               0
## 1107
         0.79166667 0.000000e+00 9.422956e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1108
         0.18055556 1.908752e-03 2.181432e-03
                                                 NaN 1.00000000
                                                                     0
                                                                               0
## 1109
         0.65277778 2.793296e-03 5.115319e-03
                                                 NaN 1.00000000
                                                                          0
                                                                     0
                                                                               0
## 1110
         0.56944444 2.653631e-03 2.070979e-05
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1111
         0.70833333 1.163873e-03 8.283917e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1112
         0.62500000 2.793296e-03 1.518718e-04
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1113
         0.02777778 3.072626e-03 1.587751e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.15277778 2.327747e-03 4.349057e-04
## 1114
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1115
         0.84722222 2.281192e-03 2.492079e-03
                                                 NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1116
         0.40277778 2.188082e-03 8.974244e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1117
         0.56944444 1.070764e-03 2.692273e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1118
         0.19444444 2.886406e-03 6.351003e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1119
         0.02777778 2.886406e-03 1.428976e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1120
         0.80555556 3.724395e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1121
         0.58333333 3.072626e-03 6.903265e-06
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1122
         0.88888889 3.724395e-04 2.388530e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1123
         0.63888889 2.374302e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1124
         0.77777778 6.517691e-03 3.313567e-04
                                                 NaN 1.00000000
                                                                               0
## 1125
         0.01388889 2.234637e-03 2.070979e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1126
         0.09722222 2.001862e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1127
         0.43055556 3.491620e-03 2.057173e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1128
         0.27777778 3.258845e-03 5.729710e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1129
         0.15277778 1.769088e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1130
         0.79166667 3.631285e-03 2.008850e-03
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1131
         0.63888889 3.631285e-03 5.308610e-03
                                                 NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1132
         0.75000000 3.631285e-03 1.960527e-03
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1133
         0.23611111 2.327747e-03 1.863881e-04
                                                 NaN 1.00000000
                                                                               0
## 1134
         0.75000000 3.491620e-03 1.277104e-03
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1135
         0.40277778 3.538175e-03 5.867775e-04
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
         0.86111111 1.396648e-03 2.485175e-04
## 1136
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1137
         0.93055556 3.631285e-03 2.554208e-03
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          1
## 1138
         0.29166667 5.121043e-04 6.903265e-06
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
         0.95833333 4.655493e-04 0.000000e+00
## 1139
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1140
         0.41666667 3.119181e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1141
         0.62500000 2.513966e-03 5.108416e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1142
         0.7222222 4.934823e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1143
         0.09722222 3.724395e-03 6.420036e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1144
         0.38888889 2.001862e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1145
         0.41666667 4.608939e-03 3.451632e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1146
         0.86111111 3.305400e-03 1.277104e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1147
         0.36111111 3.538175e-03 1.518718e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1148
         0.59722222 2.513966e-03 7.144879e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.8333333 3.864060e-03 1.332330e-03
                                                 NaN 1.00000000
                                                                     0
                                                                               0
```

```
0.06944444 3.817505e-03 5.177448e-04
                                                  NaN 1.00000000
## 1150
                                                                     0
                                                                          0
                                                                               0
## 1151
         0.30555556 3.538175e-03 2.091689e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1152
         0.65277778 2.001862e-03 1.857668e-02
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.38888889 3.258845e-04 1.284007e-03
## 1153
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 1154
         0.40277778 4.702048e-03 3.244534e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1155
         0.98611111 3.258845e-04 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1156
         0.20833333 1.024209e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1157
         0.26388889 3.351955e-03 1.504912e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1158
         0.81944444 1.070764e-03 7.800689e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 1159
         0.02777778 3.119181e-03 4.280024e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 1160
         0.5555556 3.119181e-03 1.304717e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1161
         0.97222222 3.584730e-03 4.003893e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1162
         0.09722222 9.310987e-04 4.418089e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1163
         0.88888889 2.886406e-03 1.104522e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.45833333 6.657356e-03 4.280024e-04
## 1164
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1165
         0.38888889 6.471136e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1166
         0.81944444 3.491620e-03 8.421983e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1167
         0.09722222 1.629423e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1168
         1.00000000 8.379888e-04 2.554208e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1169
         0.81944444 2.653631e-03 6.420036e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     1
## 1170
         0.90277778 2.560521e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1171
         0.47222222 7.914339e-04 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1172
         0.33333333 4.981378e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1173
         0.70833333 1.908752e-03 1.518718e-04
                                                  NaN 1.00000000
                                                                          1
                                                                               0
                                                                     0
## 1174
         0.95833333 2.839851e-03 4.141959e-04
                                                  NaN 1.00000000
                                                                          1
                                                                                0
## 1175
         0.87500000 2.420857e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1176
         0.50000000 3.305400e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 1177
         0.18055556 3.351955e-03 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1178
         0.84722222 3.538175e-03 4.418089e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1179
         0.69444444 3.538175e-03 1.435879e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          1
## 1180
         0.58333333 2.374302e-03 1.208071e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1181
         0.45833333 2.932961e-03 1.339233e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1182
         0.58333333 4.096834e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1183
         0.91666667 3.258845e-03 2.899371e-04
                                                  NaN 1.00000000
                                                                                1
## 1184
         0.23611111 2.467412e-03 1.346137e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1185
         0.23611111 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1186
         0.13888889 2.560521e-03 6.420036e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1187
         0.13888889 2.513966e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1188
         0.01388889 3.584730e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1189
         0.51388889 1.955307e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1190
         0.30555556 1.443203e-03 5.626161e-03
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1191
         0.34722222 4.469274e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1192
         0.25000000 2.374302e-03 2.022657e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1193
         0.72222222 3.026071e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1194
         0.36111111 2.560521e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.90277778 8.612663e-03 2.692273e-04
## 1195
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1196
         0.76388889 3.910615e-03 8.974244e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1197
         0.76388889 4.050279e-03 2.664660e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1198
         0.77777778 2.560521e-03 6.972297e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.16666667 1.536313e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                               0
```

```
## 1200
         0.80555556 2.188082e-03 1.477299e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1201
         0.09722222 2.420857e-03 1.139039e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1202
         0.36111111 4.189944e-03 4.280024e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.45833333 7.448790e-04 6.903265e-06
## 1203
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 1204
         0.16666667 4.655493e-04 1.007877e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1205
         0.98611111 5.214153e-03 5.315514e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1206
         0.98611111 4.143389e-03 7.317460e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1207
         0.63888889 2.746741e-03 2.975307e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1208
         0.19444444 1.955307e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                                0
## 1209
         0.79166667 4.608939e-03 1.739623e-03
                                                  NaN 1.00000000
                                                                          0
                                                                     1
                                                                                0
## 1210
         0.91666667 3.864060e-03 6.558101e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1211
         0.06944444 5.121043e-03 2.215948e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1212
         0.95833333 2.932961e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1213
         0.33333333 2.420857e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
         0.31944444 4.655493e-04 1.380653e-05
## 1214
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1215
         0.83333333 7.448790e-04 9.595538e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1216
         0.73611111 2.607076e-03 7.731656e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.7222222 3.445065e-03 1.380653e-05
## 1217
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1218
         0.80555556 2.886406e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1219
         0.56944444 3.631285e-03 4.694220e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1220
         0.20833333 2.932961e-03 2.899371e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1221
         0.52777778 2.281192e-03 7.110362e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1222
         0.36111111 5.121043e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1223
         0.66666667 4.655493e-03 1.070006e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1224
         0.29166667 1.443203e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                               1
## 1225
         0.98611111 2.793296e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1226
         0.19444444 4.189944e-03 1.829365e-03
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
         0.25000000 1.973929e-02 7.524558e-04
## 1227
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1228
         0.27777778 3.770950e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1229
         0.48611111 3.584730e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1230
         0.91666667 1.117318e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1231
         0.06944444 1.722533e-03 1.007877e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1232
         0.84722222 2.467412e-03 2.381626e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1233
         0.66666667 1.005587e-02 1.808655e-03
                                                  NaN 1.00000000
                                                                                0
## 1234
         0.47222222 1.396648e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1235
         0.5555556 2.467412e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.41666667 3.864060e-03 1.242588e-04
## 1236
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1237
         0.20833333 6.098696e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1238
         0.2222222 6.890130e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1239
         0.20833333 2.839851e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1240
         0.08333333 2.513966e-03 1.173555e-03
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1241
         0.4444444 3.864060e-03 9.112309e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1242
         0.58333333 3.677840e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                                0
## 1243
         0.62500000 2.281192e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1244
         0.97222222 4.003724e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 1245
         0.90277778 3.398510e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     1
## 1246
         0.08333333 4.236499e-03 1.567041e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1247
         0.79166667 1.117318e-03 6.834232e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1248
         0.70833333 1.769088e-03 2.070979e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.63888889 1.117318e-03 1.214975e-03
                                                 NaN 1.00000000
                                                                          1
```

```
## 1250
         0.01388889 5.586592e-04 3.292857e-03
                                                  NaN 1.00000000
                                                                          1
                                                                               0
## 1251
         0.75000000 2.048417e-03 8.076820e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1252
         0.45833333 3.258845e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1253
         0.70833333 3.072626e-03 2.181432e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1254
         0.09722222 1.675978e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1255
         0.97222222 5.772812e-03 6.558101e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1256
         0.01388889 1.494413e-02 4.418089e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1257
         0.50000000 2.886406e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1258
         0.65277778 4.050279e-03 2.899371e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 1259
         0.56944444 3.351955e-03 1.235684e-03
                                                  NaN 1.00000000
                                                                          0
                                                                     0
                                                                                0
## 1260
         0.62500000 3.817505e-03 1.284007e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1261
         0.62500000 2.327747e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1262
         0.84722222 2.886406e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1263
         0.41666667 2.886406e-03 3.175502e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1264
         0.25000000 2.653631e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1265
         0.18055556 7.588454e-03 1.435879e-03
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1266
         0.1111111 4.515829e-03 1.007877e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1267
         0.45833333 3.305400e-03 6.627134e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1268
         0.58333333 2.839851e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1269
         0.36111111 4.981378e-03 1.863881e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1270
         0.19444444 2.793296e-03 1.339233e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1271
         0.30555556 2.793296e-03 8.836179e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1272
         0.38888889 1.908752e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1273
         0.55555556 5.167598e-03 1.560138e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1274
         0.56944444 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                               0
## 1275
         0.29166667 0.000000e+00 1.725816e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1276
         0.38888889 2.793296e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     1
## 1277
         0.29166667 2.281192e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1278
         0.19444444 2.607076e-03 3.865828e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     1
## 1279
         0.63888889 2.420857e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     1
## 1280
         0.41666667 2.560521e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1281
         0.76388889 3.398510e-03 1.649880e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          1
## 1282
         0.83333333 1.862197e-03 1.919108e-03
                                                  NaN 0.30434783
                                                                     0
                                                                          0
                                                                               1
## 1283
         0.77777778 9.264432e-03 6.005840e-04
                                                  NaN 1.00000000
                                                                               0
## 1284
         0.87500000 2.527933e-02 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1285
         0.76388889 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.56944444 1.108007e-02 7.593591e-05
## 1286
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1287
         0.98611111 7.867784e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1288
         0.66666667 6.238361e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1289
         0.65277778 1.717877e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1290
         0.75000000 1.973929e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1291
         0.79166667 1.457169e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1292
         0.44444444 2.094972e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1293
         0.25000000 2.518622e-02 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1294
         0.08333333 2.886406e-02 2.740596e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.43055556 1.745810e-02 2.070979e-05
## 1295
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1296
         0.13888889 2.039106e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1297
         0.15277778 4.143389e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1298
         0.00000000 8.519553e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1299
         0.69444444 2.984171e-02 5.108416e-04
                                                 NaN 1.00000000
                                                                     0
                                                                               0
```

```
0.18055556 3.938547e-02 4.210991e-04
                                                 NaN 1.00000000
## 1300
                                                                          0
                                                                               0
## 1301
         0.38888889 3.156425e-02 1.104522e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1302
         0.05555556 1.801676e-02 1.380653e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1303
         0.63888889 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1304
         0.47222222 7.402235e-03 1.587751e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1305
         0.13888889 7.402235e-03 2.070979e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1306
         0.40277778 1.289572e-02 3.934861e-04
                                                 NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1307
         0.34722222 1.354749e-02 2.899371e-04
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1308
         0.47222222 2.108939e-02 1.242588e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1309
         0.63888889 1.662011e-02 6.903265e-05
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          1
## 1310
         0.30555556 2.951583e-02 6.903265e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1311
         0.88888889 1.229050e-02 0.000000e+00
                                                 NaN 0.13043478
                                                                     0
                                                                          0
                                                                               1
## 1312
         0.4444444 8.472998e-03 2.692273e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1313
         0.25000000 1.410615e-02 2.692273e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.54166667 9.776536e-03 1.380653e-04
## 1314
                                                 NaN 0.78260870
                                                                     0
                                                                          0
                                                                               0
## 1315
         0.25000000 2.127561e-02 7.041330e-04
                                                 NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1316
         0.1111111 5.027933e-03 3.299760e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.38888889 2.621043e-02 1.380653e-05
## 1317
                                                 NaN 0.56521739
                                                                     0
                                                                          0
                                                                               0
## 1318
         0.34722222 3.631285e-03 6.005840e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1319
         0.2222222 4.096834e-03 1.235684e-03
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1320
         0.93055556 2.513966e-03 8.836179e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1321
         0.1111111 3.677840e-03 1.311620e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1322
         0.29166667 2.746741e-03 6.558101e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1323
         0.58333333 3.212291e-03 5.936808e-04
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1324
         0.5555556 2.746741e-03 1.173555e-03
                                                 NaN 1.00000000
                                                                               0
## 1325
         0.05555556 3.724395e-03 1.180458e-03
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1326
         0.88888889 2.267225e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 1327
         0.75000000 5.446927e-03 6.765199e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1328
         0.3333333 3.491620e-03 5.660677e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1329
         0.2222222 3.770950e-03 3.313567e-04
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1330
         0.45833333 3.258845e-03 7.386493e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1331
         0.61111111 2.560521e-03 9.043277e-04
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1332
         0.01388889 4.981378e-03 5.315514e-04
                                                 NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1333
         0.25000000 2.886406e-03 4.970350e-04
                                                 NaN 1.00000000
                                                                          1
                                                                               0
## 1334
         0.56944444 2.886406e-03 4.280024e-04
                                                 NaN 0.95652174
                                                                     0
                                                                          0
                                                                               1
## 1335
         0.09722222 2.979516e-03 1.021683e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1336
         0.62500000 5.493482e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1337
         0.80555556 6.191806e-03 2.761306e-04
                                                 NaN 1.00000000
                                                                          0
                                                                               1
                                                                     0
## 1338
         0.40277778 2.327747e-03 1.587751e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1339
         0.86111111 1.210428e-03 1.380653e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1340
         0.50000000 3.864060e-03 1.346137e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1341
         0.00000000 3.910615e-03 8.352950e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1342
         0.29166667 6.610801e-03 1.049296e-03
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1343
         0.87500000 6.890130e-03 7.524558e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1344
         0.75000000 3.677840e-03 2.070979e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1345
         0.62500000 7.728119e-03 1.587751e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1346
         0.81944444 2.653631e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1347
         0.80555556 4.608939e-03 8.283917e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1348
         0.09722222 3.584730e-03 9.457472e-04
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.76388889 7.960894e-03 3.175502e-04
                                                 NaN 1.00000000
                                                                               0
```

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

```
## 1400
         0.30555556 5.121043e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 1401
         0.62500000 7.216015e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1402
         0.1111111 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1403
         0.73611111 3.770950e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1404
         0.50000000 2.094972e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1405
         0.93055556 2.001862e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
         0.87500000 9.227188e-02 0.000000e+00
## 1406
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1407
         0.00000000 3.584730e-03 3.520665e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1408
         0.2222222 2.001862e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1409
         0.91666667 3.910615e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     1
## 1410
         0.08333333 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1411
         1.00000000 6.284916e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1412
         0.27777778 1.163873e-03 5.522612e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1413
         0.48611111 6.936685e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1414
         0.19444444 3.864060e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1415
         0.30555556 2.513966e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1416
         0.87500000 2.979516e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.50000000 1.014898e-02 1.380653e-05
## 1417
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 1418
         0.61111111 1.350093e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1419
         0.18055556 2.932961e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1420
         0.77777778 3.584730e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1421
         0.41666667 1.075419e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1422
         0.09722222 2.607076e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1423
         0.58333333 1.494413e-02 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1424
         0.41666667 1.275605e-02 8.283917e-05
                                                  NaN 1.00000000
                                                                                0
## 1425
         0.48611111 1.275605e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1426
         0.83333333 3.165736e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1427
         0.12500000 2.746741e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1428
         0.43055556 5.772812e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1429
         0.1111111 1.210428e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     1
## 1430
         0.13888889 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1431
         0.56944444 4.469274e-03 0.000000e+00
                                                                               0
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 1432
         0.54166667 8.286778e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1433
         0.20833333 3.957169e-03 4.507832e-03
                                                  NaN 1.00000000
                                                                                0
## 1434
         0.93055556 6.331471e-03 1.926011e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1435
         0.04166667 3.584730e-03 5.025577e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.33333333 1.908752e-03 7.338170e-03
## 1436
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1437
         0.25000000 6.005587e-03 2.126205e-03
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1438
         0.34722222 7.774674e-03 1.801752e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1439
         0.68055556 2.607076e-03 1.400672e-02
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1440
         0.86111111 4.795158e-03 6.088679e-03
                                                  NaN 1.00000000
                                                                     1
                                                                                0
                                                                          0
## 1441
         0.66666667 2.932961e-03 1.995043e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1442
         0.06944444 7.216015e-03 5.274094e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1443
         0.68055556 1.145251e-02 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1444
         0.58333333 7.774674e-03 5.681387e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1445
         0.63888889 4.795158e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1446
         0.54166667 4.702048e-03 3.437826e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1447
         0.06944444 7.169460e-03 5.847065e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
##
  1448
         0.66666667 7.169460e-03 2.623241e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1449
         0.48611111 7.262570e-03 5.384546e-04
                                                 NaN 1.00000000
                                                                     0
                                                                               0
```

```
## 1450
         0.81944444 4.981378e-03 4.038410e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1451
         0.09722222 5.865922e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1452
         0.61111111 1.545624e-02 1.380653e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.15277778 2.839851e-03 4.355960e-03
## 1453
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 1454
         0.75000000 2.094972e-03 7.476236e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1455
         0.34722222 4.515829e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1456
         0.02777778 7.635009e-03 4.487122e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1457
         0.41666667 3.677840e-03 2.568705e-02
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1458
         0.20833333 5.819367e-03 4.970350e-03
                                                  NaN 1.00000000
                                                                     0
                                                                               1
## 1459
         0.86111111 5.726257e-03 7.427913e-03
                                                  NaN 1.00000000
                                                                          0
                                                                     0
                                                                                1
## 1460
         0.41666667 8.240223e-03 2.737835e-02
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1461
         0.00000000 6.424581e-03 1.725816e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1462
         0.38888889 9.776536e-03 1.203239e-02
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 1463
         1.00000000 1.503724e-02 1.504912e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1464
         0.48611111 2.048417e-03 5.004867e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1465
         0.1111111 6.145251e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1466
         0.69444444 7.448790e-03 3.313567e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1467
         0.56944444 1.350093e-03 2.064766e-02
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1468
         0.00000000 1.163873e-03 3.886538e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.70833333 1.797020e-02 5.467386e-03
## 1469
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1470
         0.08333333 4.283054e-03 2.144844e-02
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1471
         0.2222222 6.005587e-03 8.698113e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1472
         0.41666667 5.400372e-03 4.970350e-04
                                                  NaN 0.43478261
                                                                     0
                                                                          0
                                                                               0
## 1473
         0.40277778 4.562384e-03 2.692273e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1474
         0.81944444 8.938547e-03 3.727763e-04
                                                  NaN 1.00000000
                                                                                0
## 1475
         0.25000000 2.737430e-02 3.727763e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1476
         0.01388889 1.262104e-01 7.110362e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          1
## 1477
         0.08333333 6.378026e-02 1.042393e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1478
         0.72222222 1.005587e-02 6.558101e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1479
         0.15277778 4.283054e-03 1.021683e-03
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 1480
         0.48611111 3.128492e-02 5.108416e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1481
         0.51388889 1.000000e+00 3.727763e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1482
         0.06944444 2.872439e-02 8.283917e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1483
         0.68055556 1.606145e-02 4.418089e-04
                                                  NaN 1.00000000
                                                                          1
                                                                                0
## 1484
         0.04166667 8.333333e-03 7.110362e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1485
         0.70833333 5.679702e-03 8.974244e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.27777778 1.801676e-02 3.520665e-04
## 1486
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1487
         0.27777778 1.959963e-02 2.485175e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1488
         0.06944444 6.750466e-02 6.558101e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1489
         0.02777778 1.080074e-02 4.625187e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1490
         0.52777778 1.373371e-02 3.037436e-04
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1491
         0.77777778 1.163873e-03 8.076820e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1492
         0.25000000 4.459963e-02 2.899371e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.70833333 1.485102e-02 6.696167e-04
## 1493
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1494
         0.70833333 8.286778e-03 4.763253e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1495
         0.72222222 7.076350e-03 1.380653e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1496
         0.43055556 8.985102e-03 1.173555e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1497
         0.31944444 1.815642e-03 1.118329e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
##
  1498
         0.97222222 1.918063e-02 8.214885e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1499
         0.93055556 2.104283e-02 3.796796e-04
                                                 NaN 1.00000000
                                                                          1
```

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

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

```
## 1600
         0.2222222 0.000000e+00 1.656783e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1601
         0.62500000 0.000000e+00 2.347110e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1602
         0.04166667 0.000000e+00 4.418089e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.9444444 0.000000e+00 8.974244e-05
## 1603
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1604
         0.51388889 0.000000e+00 1.794849e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1605
         0.69444444 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1606
         0.41666667 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1607
         0.36111111 0.000000e+00 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1608
         0.81944444 0.000000e+00 1.063103e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1609
         0.87500000 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1610
         0.52777778 0.000000e+00 1.725816e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1611
         0.95833333 0.000000e+00 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1612
         0.41666667 0.000000e+00 1.173555e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1613
         0.02777778 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1614
         0.30555556 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1615
         0.7777778 0.000000e+00 1.656783e-04
                                                  NaN 1.00000000
                                                                               0
                                                                          0
## 1616
         0.51388889 0.000000e+00 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1617
         0.56944444 0.000000e+00 0.000000e+00
                                                                               1
                                                 NaN 1.00000000
                                                                     0
                                                                          0
## 1618
         0.29166667 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1619
         0.19444444 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1620
         0.97222222 0.000000e+00 6.903265e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1621
         0.20833333 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1622
         0.33333333 0.000000e+00 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1623
         0.19444444 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1624
         0.30555556 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                               0
## 1625
         0.04166667 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1626
         0.04166667 0.000000e+00 2.140012e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               1
                                                                     0
## 1627
         0.2222222 1.210428e-02 3.058146e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1628
         0.73611111 7.402235e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1629
         0.61111111 6.983240e-03 5.743516e-03
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1630
         0.84722222 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1631
         0.47222222 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1632
         0.13888889 0.000000e+00 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1633
         0.84722222 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
## 1634
         0.59722222 0.000000e+00 1.932914e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1635
         0.19444444 0.000000e+00 3.927958e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.41666667 3.165736e-03 1.104522e-04
## 1636
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1637
         0.93055556 1.177840e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1638
         0.68055556 8.379888e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1639
         0.54166667 7.355680e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1640
         0.93055556 9.776536e-04 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                               1
                                                                          0
## 1641
         0.88888889 9.916201e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1642
         0.93055556 8.379888e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.56944444 1.145251e-02 1.380653e-05
## 1643
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1644
         0.58333333 5.307263e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1645
         0.06944444 9.310987e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1646
         0.15277778 1.601490e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1647
         0.69444444 7.495345e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
##
  1648
         0.80555556 1.289572e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1649
         0.61111111 2.048417e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
```

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

```
## 1700
         0.62500000 7.122905e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                          1
                                                                               0
## 1701
         0.18055556 1.154562e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1702
         0.95833333 3.631285e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.61111111 3.212291e-03 6.903265e-06
## 1703
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1704
         0.20833333 2.141527e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1705
         0.01388889 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1706
         1.00000000 5.121043e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1707
         0.18055556 7.821229e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1708
         0.7777778 1.066108e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 1709
         0.61111111 5.214153e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                     0
                                                                                0
## 1710
         0.50000000 9.823091e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
         0.23611111 2.793296e-03 1.380653e-05
## 1711
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1712
         0.70833333 1.103352e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          1
## 1713
         0.2222222 4.003724e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.63888889 1.056797e-02 6.903265e-06
## 1714
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1715
         0.68055556 7.076350e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1716
         0.45833333 1.615456e-02 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.75000000 3.305400e-03 6.903265e-06
## 1717
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1718
         0.18055556 9.683426e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1719
         0.38888889 1.121974e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1720
         0.5555556 8.286778e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1721
         0.08333333 2.513966e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1722
         0.84722222 8.379888e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1723
         0.62500000 1.103352e-02 4.832285e-05
                                                  NaN 1.00000000
                                                                     1
                                                                               0
                                                                          0
## 1724
         0.90277778 9.776536e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
## 1725
         0.88888889 5.586592e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1726
         0.94444444 8.845438e-04 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          1
## 1727
         0.84722222 1.908752e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1728
         0.3333333 3.026071e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1729
         0.43055556 3.724395e-03 1.725816e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1730
         0.87500000 1.219739e-02 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1731
         0.58333333 3.677840e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1732
         0.05555556 1.945996e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1733
         0.90277778 3.957169e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                                0
## 1734
         0.76388889 6.983240e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1735
         0.81944444 7.076350e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1736
         0.98611111 8.845438e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1737
         0.41666667 7.914339e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     1
## 1738
         0.65277778 2.001862e-03 1.656783e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     1
## 1739
         0.80555556 8.240223e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1740
         0.86111111 1.629423e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1741
         0.50000000 8.566108e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1742
         0.15277778 1.084730e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1743
         0.41666667 5.493482e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1744
         0.69444444 2.234637e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.3333333 5.307263e-03 1.380653e-05
## 1745
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1746
         0.00000000 1.117318e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1747
         0.25000000 8.659218e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1748
         0.31944444 8.845438e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1749
         0.00000000 6.983240e-03 3.451632e-05
                                                 NaN 1.00000000
                                                                     0
                                                                               0
```

```
## 1750
         0.83333333 1.703911e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 1751
         0.27777778 6.378026e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1752
         0.16666667 9.776536e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.1111111 8.286778e-03 6.903265e-06
## 1753
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1754
         0.83333333 1.443203e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1755
         0.68055556 1.480447e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.48611111 1.070764e-02 1.380653e-05
                                                  NaN 1.00000000
## 1756
                                                                     0
                                                                          0
                                                                                1
## 1757
         0.68055556 1.056797e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1758
         0.59722222 1.070764e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1759
         0.62500000 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1760
         0.73611111 2.234637e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.77777778 1.210428e-02 2.070979e-05
## 1761
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1762
         0.81944444 2.700186e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 1763
         0.02777778 1.396648e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1764
         0.5555556 2.932961e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1765
         0.83333333 1.303538e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1766
         0.84722222 1.014898e-02 2.761306e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
         0.13888889 2.048417e-03 2.070979e-05
## 1767
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1768
         0.19444444 2.839851e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1769
         0.09722222 1.159218e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1770
         0.65277778 2.886406e-03 4.832285e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1771
         0.68055556 8.845438e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  1772
         0.08333333 5.353818e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  1773
         0.37500000 6.703911e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                                0
##
                                                                          0
## 1774
         0.84722222 1.862197e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 1775
         0.25000000 3.724395e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1776
         0.36111111 3.212291e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1777
         0.56944444 2.281192e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1778
         0.76388889 4.050279e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1779
         0.13888889 8.845438e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     1
## 1780
         0.75000000 1.536313e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1781
         0.69444444 1.117318e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 1782
         0.75000000 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1783
         0.62500000 2.932961e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                1
## 1784
         0.65277778 3.957169e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1785
         0.04166667 1.908752e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1786
         0.79166667 2.839851e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1787
         0.50000000 1.163873e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 1788
         0.61111111 3.445065e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1789
         0.61111111 8.845438e-04 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  1790
         0.27777778 2.560521e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          0
## 1791
         0.12500000 2.327747e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1792
         0.15277778 1.070764e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1793
         0.80555556 2.188082e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1794
         0.70833333 2.653631e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 1795
         0.54166667 9.543762e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1796
         0.98611111 2.234637e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1797
         0.19444444 1.582868e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
##
  1798
         0.20833333 2.327747e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.65277778 3.957169e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
```

```
## 1800
         0.08333333 3.305400e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1801
         0.0555556 3.398510e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1802
         0.06944444 3.584730e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1803
         0.2222222 4.888268e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
## 1804
         0.4444444 7.402235e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1805
         0.62500000 3.351955e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1806
         0.20833333 3.677840e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1807
         0.18055556 1.303538e-03 2.070979e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1808
         0.56944444 8.379888e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1809
         0.94444444 2.932961e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                          0
                                                                     0
                                                                                0
## 1810
         0.93055556 3.351955e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1811
         0.29166667 8.845438e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1812
         0.47222222 3.538175e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 1813
         0.00000000 7.402235e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1814
         0.70833333 3.351955e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1815
         0.40277778 4.003724e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1816
         0.08333333 1.075419e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
         0.51388889 1.010242e-02 2.761306e-05
## 1817
                                                                                1
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 1818
         0.12500000 1.862197e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1819
         0.59722222 1.717877e-02 0.000000e+00
                                                  NaN 0.08695652
                                                                     0
                                                                          0
                                                                               0
## 1820
         0.47222222 1.722533e-02 1.380653e-05
                                                  NaN 0.21739130
                                                                     0
                                                                          0
                                                                               0
## 1821
         0.37500000 1.191806e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1822
         0.84722222 4.655493e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1823
         0.51388889 7.588454e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1824
         0.13888889 7.448790e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                1
## 1825
         0.52777778 5.772812e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1826
         0.47222222 7.216015e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1827
         0.84722222 5.540037e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1828
         0.7222222 8.798883e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1829
         0.00000000 2.048417e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1830
         0.63888889 4.376164e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1831
         1.00000000 5.027933e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1832
         0.7777778 4.841713e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1833
         0.61111111 9.310987e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                                0
## 1834
         0.40277778 3.445065e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1835
         0.90277778 1.950652e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 1836
         0.98611111 3.491620e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1837
         0.69444444 7.448790e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1838
         0.81944444 5.260708e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1839
         0.76388889 2.607076e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1840
         0.25000000 8.845438e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1841
         0.56944444 2.793296e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1842
         0.81944444 3.212291e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1843
         0.79166667 8.705773e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1844
         0.34722222 2.746741e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1845
         0.75000000 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1846
         0.2222222 8.705773e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1847
         0.62500000 3.119181e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
##
  1848
         0.88888889 5.679702e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1849
         0.80555556 1.038175e-02 6.903265e-06
                                                 NaN 1.00000000
                                                                               0
```

## 1851 1.00000000 2.420857e-03 6.903265e-06 NaN 1.00000000 0 1 ## X1.1 X0.10 X0.11 X0.12 X0.13 X0.14 X0.15 X0.16 X0.17 X0.18 X1.2 ## 1	0
## 1 0 1 0 0 0 0 0 0 0 0 1 0 ## 2 0 0 1 0 0 0 0 0 0 0 0 0 1 0 ## 3 0 0 1 0	
## 2 0 0 1 0 0 0 0 0 0 0 0 0 0 1 ## 3 0 0 1 0	
## 3	
## 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
## 5 0 0 0 0 0 0 0 0 0 0 0 1 0 ## 6 1 0 0 0 0 0 0 0 0 0 1 ## 7 0 1 0 0 0 0 0 0 0 0 0 1 ## 8 0 0 1 0 0 0 0 0 0 0 1	
## 6 1 0 0 0 0 0 0 0 0 0 1 ## 7 0 1 0 0 0 0 0 0 0 0 1 ## 8 0 0 1 0 0 0 0 0 0 1	
## 7 0 1 0 0 0 0 0 0 0 0 1 ## 8 0 0 1 0 0 0 0 0 0 0 1	
## 8 0 0 1 0 0 0 0 0 0 1	
## 9 0 0 1 0 1 0 0 0 0 0	
## 10 0 0 1 0 1 0 0 0 0 0	
## 11 0 0 0 0 0 0 0 1 0 0	
## 12 0 0 0 0 0 0 1 0 0 0	
## 13 1 0 0 0 0 0 0 0 1 0	
## 14 0 0 0 0 0 0 1 0 0 0	
## 15 0 0 0 0 0 0 0 1 0 0	
## 16 1 0 0 0 0 0 0 0 0 1 0	
## 17 1 0 0 0 0 0 0 0 0 1 0	
## 18 0 1 0 0 0 0 0 0 0 0 1	
## 19 0 0 1 0 0 0 0 0 0 1	
## 20 0 0 0 0 0 0 0 1 0 0	
## 21 0 0 0 0 0 0 1 0 0 0	
## 22	
## 23 1 0 0 0 0 0 0 0 0 1	
## 24	
## 25 0 1 0 0 1 0 0 0 0 0	
## 26 0 0 1 0 0 0 0 0 0 1	
## 27	
## 28	
## 29	
## 31 0 0 0 0 0 1 0 0 0 0	
## 32 0 0 0 0 0 0 1 0 0 0	
## 33 1 0 0 0 0 0 0 0 1 0	
## 34 0 1 0 0 0 0 0 0 1 0	
## 35 0 0 1 0 0 1 0 0 0 0	
## 36 0 0 0 0 0 0 1 0 0 0	
## 37 0 0 0 0 0 0 0 1 0 0	
## 38 0 0 0 0 0 0 0 1 0 0 0	
## 39 1 0 0 0 0 0 0 0 1 0 0	
## 40 0 1 0 0 0 0 0 0 0 1	
## 41 0 0 1 0 0 1 0 0 0	
## 42 0 0 1 0 0 0 0 0 0 1	
## 43 0 0 0 0 0 0 0 1 0 0 0	
## 44 0 0 0 0 0 0 1 0 0 0	
## 45 0 0 0 0 0 0 0 1 0 0	
## 46 0 0 0 0 0 0 0 0 1 0	
## 47 1 0 0 0 0 0 0 0 0 1 0	

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

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

## 148	0	0	0	0	0	0	0	0	1	0	0	
## 149	0	0	0	0	0	0	0	1	0	0	0	
## 150	1	0	0	0	0	0	0	0	0	0	1	
## 151	0	1	0	0	0	0	0	0	1	0	0	
## 152	0	0	0	1	0	1	0	0	0	0	0	
## 153	0	0	0	1	1	0	0	0	0	0	0	
## 154	0	0	0	0	0	1	0	0	0	0	0	
## 155				ø		0						
	0	0	0		1		0	0	0	0	0	
## 156	0	0	0	0	0	0	0	0	1	0	0	
## 157	0	0	0	0	0	0	0	0	0	1	0	
## 158	0	0	0	0	0	0	0	0	0	1	0	
## 159	0	0	0	0	0	0	0	1	0	0	0	
## 160	1	0	0	0	0	0	0	0	0	0	1	
## 161	1	0	0	0	0	0	0	0	0	0	1	
## 162	1	0	0	0	0	0	0	0	1	0	0	
## 163	0	1	0	0	0	0	0	0	1	0	0	
## 164	0	1	0	0	0	0	0	0	0	0	1	
## 165	0	1	0	0	0	0	0	0	0	1	0	
## 166	0	0	1	0	0	0	0	0	0	0	1	
## 167	0	0	1	0	1	0	0	0	0	0	0	
## 168	0	0	1	0	0	0	0	0	0	0	1	
## 169	0	0	0	1	1	0	0	0	0	0	0	
## 170	0	0	0	1	0	0	0	0	0	0	1	
## 171	0	0	0	0	0	0	1	0	0	0	0	
## 172	0	0	0	0	0	1	0	0	0	0	0	
## 173	0	0	0	0	0	0	1	0	0	0	0	
## 174	0	0	0	0	0	0	0	1	0	0	0	
## 175	0	0	0	0	ø	ø	1	0	ø	0	0	
## 176	0	0	0	0	0	0	0	1	0	0	0	
## 177	0	0	0	0	0	0	0	0	1	0	0	
## 178	1	0	0	0	0	0	0	1	0	0	0	
## 179	1	0	0	0	0	0	0	0	1	0	0	
## 180	0	1	0	0	0	0	0	0	1	0	0	
## 181	0	1	0	0	0	0	0	0	0	1	0	
## 182	0	0	1	0	0	0	0	0	0	1	0	
## 183	0	0	1	0	1	0	0	0	0	0	0	
## 184	0	0	1	0	0	0	0	0	0	0	1	
## 185	0	0	0	1	0	1	0	0	0	0	0	
## 186		_	0		0	0	1			0		
	0	0		1				0	0		0	
## 187	0	0	0	0	0	1	0	0	0	0	0	
## 188	0	0	0	0	1	0	0	0	0	0	0	
## 189	0	0	0	0	0	0	0	1	0	0	0	
## 190	0	0	0	0	0	0	1	0	0	0	0	
## 191	0		0	0	0	0	1	0		0	0	
		0							0			
## 192	0	0	0	0	0	0	0	0	1	0	0	
## 193	0	0	0	0	0	0	0	0	1	0	0	
## 194	0	0	0	0	0	0	1	0	0	0	0	
## 195	1	0	0	0	0	0	0	1	0	0	0	
## 196	1	0	0	0	0	0	0	0	0		0	
										1		
## 197	1	0	0	0	0	0	0	1	0	0	0	

## 1		0	1	0	0	0	0	0	0	0	0	1
## 1	.99	0	1	0	0	0	0	0	0	0	1	0
## 2	200	0	1	0	0	1	0	0	0	0	0	0
## 2	201	0	1	0	0	0	0	0	0	0	0	1
## 2	202	0	0	1	0	0	0	0	0	0	0	1
## 2		0	0	1	0	1	0	0	0	0	0	0
## 2		0	0	0	1	0	0	1	0	0	0	0
## 2		0		0	0		0	0	1			
		_	0			0				0	0	0
## 2		0	0	0	0	0	0	1	0	0	0	0
## 2		0	0	0	0	0	1	0	0	0	0	0
## 2		0	0	0	0	0	0	0	1	0	0	0
## 2		0	0	0	0	0	0	0	0	1	0	0
## 2	210	0	0	0	0	0	0	0	0	1	0	0
## 2	211	1	0	0	0	0	0	0	0	1	0	0
## 2	212	0	1	0	0	0	0	0	0	0	1	0
## 2	213	0	1	0	0	1	0	0	0	0	0	0
## 2		0	1	0	0	0	0	0	0	0	0	1
## 2		0	1	0	0	1	0	0	0	0	0	0
## 2		0	1	0	0	0	0	0	0	0	1	0
## 2		0	1	0	0	0	0	0	0	1	0	0
		_										
## 2		0	1	0	0	0	0	0	0	0	0	1
## 2		0	1	0	0	0	0	0	0	0	1	0
## 2		0	1	0	0	1	0	0	0	0	0	0
## 2		0	1	0	0	0	0	0	0	0	1	0
## 2	222	0	1	0	0	1	0	0	0	0	0	0
## 2	223	0	1	0	0	0	0	0	0	0	1	0
## 2	224	0	1	0	0	1	0	0	0	0	0	0
## 2	25	0	1	0	0	0	0	0	0	1	0	0
## 2	226	0	1	0	0	0	0	0	0	0	1	0
		0	1	0	0	0	0	0	0	0	1	0
## 2		0	_ 1	0	0	0	0	0	0	0	1	0
## 2		0	1	0	0	0	0	0	0	0	1	0
## 2		0	1	0	0	0	0	0			1	0
								-	0	0		
## 2		0	1	0	0	0	0	0	0	0	1	0
		0	0	1	0	0	0	0	0	0	1	0
		0	0	1	0	1	0	0	0	0	0	0
## 2		0	0	1	0	0	1	0	0	0	0	0
## 2		0	0	1	0	1	0	0	0	0	0	0
## 2		0	0	1	0	0	0	0	0	0	0	1
## 2	237	0	0	1	0	0	0	0	0	0	0	1
## 2	238	0	0	1	0	1	0	0	0	0	0	0
## 2		0	0	1	0	1	0	0	0	0	0	0
## 2		0	0	1	0	1	0	0	0	0	0	0
## 2		0	0	1	0	1	0	0	0	0	0	0
## 2		0	0	1	0	0	1	0	0	0	0	0
## 2		0	0	1	0	1	0	0	0	0	0	0
## 2		0	0	1	0	0	0	0	0	0	0	1
## 2		0	0	1	0	0	0	0	0	0	1	0
		0	0	1	0	0	1	0	0	0	0	0
## 2	247	0	0	1	0	0	0	0	0	0	0	1

		_	_	_	_	_	_	_	_	_	_	_
##	248	0	0	1	0	1	0	0	0	0	0	0
##	249	0	0	0	1	1	0	0	0	0	0	0
	250	0	0	0	1	0	0	1	0	0	0	0
	251	0	0	0	1	0	1	0	0	0	0	0
	252	0	0	0	1	1	0	0	0	0	0	0
##	253	0	0	0	1	0	1	0	0	0	0	0
##	254	0	0	0	1	1	0	0	0	0	0	0
	255	0	0	0	1	0	0	1	0	0	0	0
	256	0	0	0	1	0	1	0	0	0	0	0
	257	0	0	0	1	1	0	0	0	0	0	0
##	258	0	0	0	1	0	0	1	0	0	0	0
##	259	0	0	0	1	0	1	0	0	0	0	0
	260	0	0	0	1	1	0	0	0	0	0	0
	261	0	0	0	1	0	1	0	0	0	0	0
	262	0	0	0	1	0	1	0	0	0	0	0
##	263	0	0	0	1	0	1	0	0	0	0	0
##	264	0	0	0	0	1	0	0	0	0	0	0
##	265	0	0	0	0	0	0	1	0	0	0	0
	266	0	0	0	0	0	1	0	0	0	0	0
	267	0	0	0	0	0	0	1	0	0	0	0
	268	0	0	0	0	1	0	0	0	0	0	0
	269	0	0	0	0	0	0	1	0	0	0	0
##	270	0	0	0	0	0	0	1	0	0	0	0
##	271	0	0	0	0	0	1	0	0	0	0	0
##	272	0	0	0	0	0	1	0	0	0	0	0
	273	0	0	0	0	0	0	1	0	0	0	0
	274	0	0	0	0	0	0	1	0	0	0	0
	275	0	0	0	0	0	0	0	1	0	0	0
	276	0	0	0	0	0	0	0	1	0	0	0
	277	0	0	0	0	0	1	0	0	0	0	0
##	278	0	0	0	0	0	0	0	1	0	0	0
##	279	0	0	0	0	0	1	0	0	0	0	0
##	280	0	0	0	0	0	0	0	1	0	0	0
	281	0	0	0	0	0	0	0	0	1	0	0
		0		0	0		0		0			
	282		0			0		1		0	0	0
	283	0	0	0	0	0	0	1	0	0	0	0
	284	0	0	0	0	0	0	1	0	0	0	0
##	285	0	0	0	0	0	0	1	0	0	0	0
##	286	0	0	0	0	0	0	1	0	0	0	0
	287	0	0	0	0	0	0	0	1	0	0	0
	288	0	0	0	0	0	0	0	1	0	0	0
	289						0					
		0	0	0	0	0		1	0	0	0	0
	290	0	0	0	0	0	0	1	0	0	0	0
	291	0	0	0	0	0	0	0	0	1	0	0
##	292	0	0	0	0	0	0	1	0	0	0	0
	293	0	0	0	0	0	0	1	0	0	0	0
	294	0	0	0	0	0	0	1	0	0	0	0
	295	0	0	0	0	0	0	1	0	0	0	0
	296	0	0	0	0	0	0	1	0	0	0	0
##	297	0	0	0	0	0	0	1	0	0	0	0

##	298	0	0	0	0	0	0	0	0	1	0	0
##	299	0	0	0	0	0	0	0	1	0	0	0
	300	0	0	0	0	0	0	1	0	0	0	0
##	301	0	0	0	0	0	0	0	1	0	0	0
##	302	0	0	0	0	0	0	0	1	0	0	0
	303	0	0	0	0	0	0	0	1	0	0	0
	304	0	0	0	0	0	0	0	1	0	0	0
##	305	0	0	0	0	0	0	0	0	0	1	0
##	306	0	0	0	0	0	0	0	0	1	0	0
	307	0	0	0	0	0	0	0	1	0	0	0
		-										
	308	0	0	0	0	0	0	0	1	0	0	0
##	309	0	0	0	0	0	0	0	1	0	0	0
##	310	0	0	0	0	0	0	1	0	0	0	0
	311	0	0	0	0	0	0	0	0	0	1	0
	312	0	0	0	0	0	0	1	0	0	0	0
##	313	0	0	0	0	0	0	0	0	0	1	0
##	314	0	0	0	0	0	0	0	0	1	0	0
##	315	0	0	0	0	0	0	0	0	1	0	0
	316	0	0	0	0	0	0	0	1	0	0	0
	317	0	0	0	0	0	0	0	0	1	0	0
##	318	0	0	0	0	0	0	0	0	0	1	0
##	319	0	0	0	0	0	0	0	1	0	0	0
	320	1	0	0	0	0	0	0	1	0	0	0
	321	1	0	0	0	0	0	0	1	0	0	0
##	322	1	0	0	0	0	0	0	1	0	0	0
##	323	1	0	0	0	0	0	0	0	1	0	0
##	324	1	0	0	0	0	0	0	0	0	1	0
	325	1	0	0	0	0	0	0	0	1	0	0
	326	1	0	0	0	0	0	0	0	1	0	0
##	327	1	0	0	0	0	0	0	1	0	0	0
##	328	1	0	0	0	0	0	0	1	0	0	0
	329	1	0	0	0	0	0	0	0	1	0	0
	330	1	0	0	0	0	0	0	0	1	0	0
	331	1	0	0	0	0	0	0	0	1	0	0
##	332	1	0	0	0	0	0	0	0	1	0	0
	333	1	0	0	0	0	0	0	0	0	1	0
	334	1	0	0	0	0	0	0	1	0	0	0
	335	1	0	0	0	0	0	0	0	1	0	0
	336	1	0	0	0	0	0	0	0	1	0	0
##	337	0	1	0	0	0	0	0	0	0	0	1
	338	1	0	0	0	0	0	0	0	0	0	1
	339	1	0	0	0	0	0	0	0	0	1	0
	340	0	0	0	0	0	0	0	0	0	1	0
##	341	0	0	1	0	1	0	0	0	0	0	0
##	342	0	0	1	0	1	0	0	0	0	0	0
	343	0	0	1	0	_ 1	0	0	0	0	0	0
	344	0	1	0	0	0	0	0	0	1	0	0
	345	0	0	1	0	0	0	0	0	0	1	0
##	346	0	0	0	0	0	0	0	1	0	0	0
	347	0	0	0	0	0	0	1	0	0	0	0
11 11	J 17	-	J	-	J	J	-	-	J	-	J	J

## 348	0	1	0	0	0	0	0	0	1	0	0	
## 349	0	0	0	0	0	1	0	0	0	0	0	
## 349	0	0	0	0	0	0	0	1	0	0	0	
## 351	0	0	0	0	0	0	0	1	0	0	0	
## 351	0	0	0	1	0	0	1	0	0	0	0	
## 353	0	0	0	1	0	1	0	0	0	0	0	
## 354	0	0	0	0	1	0	0	0	0	0	0	
## 355	0	0	0	0	0	0	0	1	0	0	0	
## 356	0	0	0	0	0	1	0	0	0	0	0	
## 357	0	0	0	0	1	0	0	0	0	0	0	
## 358	0	0	0	0	0	0	0	0	1	0	0	
## 359	0	0	0	0	0	0	0	1	0	0	0	
## 369	0	0	0	0	0	0	0		0	0	0	
## 361	0	0	0	0	0	0	0	1 0	0	1	0	
## 361				0						1		
## 362	0 1	0 0	0 0	0	0 0	0 0	0 0	0	0 0	0	0 0	
## 364		0	0	0	0	0	0	1 1	0	0	0	
	1											
## 365	1	0	0	0	0 0	0	0	0	0	1 1	0	
## 366 ## 367	0 0	1	0 0	0 0	0	0 0	0 0	0 0	0 0	1	0 0	
## 368		1										
	0	1	0	0	0	0	0	0	0	0	1	
## 369	0	0	1	0	1	0	0	0	0	0	0	
## 370	0	0	1	0	1	0	0	0	0	0	0	
## 371	0	0	1	0	0	0	0	0	0	0	1	
## 372	0	0	0	1	0	0	1	0	0	0	0	
## 373	0	0	0	1	0	1	0	0	0	0	0	
## 374	0	0	0	1	0	0	1	0	0	0	0	
## 375	0	0	0	0	0	1	0	0	0	0	0	
## 376	0	0	0	0	0	0	1	0	0	0	0	
## 377 ## 378	0	0	0	0	0	0	0	1	0	0	0	
	0	0	0	0	0	0	0	0	1	0	0	
## 379	0	0	0	0	0	0	1	0	0	0	0	
## 380	0	0	0	0	0	0	0	0	1	0	0	
## 381	0	0	0	0	0	0	0	0	1	0	0	
## 382	1	0	0	0	0	0	0	0	0	1	0	
## 383	1	0	0	0	0	0	0	0	1	0	0	
## 384	1	0	0	0	0	0	0	0	1	0	0	
## 385	1	0	0	0	0	0	0	0	0	1	0	
## 386	1	0	0	0	0	0	0	0	0	1	0	
## 387	1	0	0	0	0	0	0	0	0	0	1	
## 388	0	1	0	0	0	0	0	0	0	0	1	
## 389	0	1	0	0	1	0	0	0	0	0	0	
## 390	0	1	0	0	0	0	0	0	0	0	1	
## 391	0	0	1	0	1	0	0	0	0	0	0	
## 392	0	0	1	0	0	0	0	0	0	0	1	
## 393	0	0	1	0	0	0	0	0	0	0	1	
## 394	0	0	1	0	0	0	0	0	0	0	1	
## 395	0	0	1	0	1	0	0	0	0	0	0	
## 396	0	0	0	1	1	0	0	0	0	0	0	
## 397	0	0	0	1	0	0	0	0	0	0	1	

##	398	0	0	0	1	0	0	1	0	0	0	0
##	399	0	0	0	0	0	0	1	0	0	0	0
	400	0	0	0	0	0	0	1	0	0	0	0
	401	0	0	0	0	0	0	0	1	0	0	0
	402	0	0	0	0	0	0	0	0	1	0	0
##	403	0	0	0	0	0	0	0	1	0	0	0
##	404	1	0	0	0	0	0	0	0	0	1	0
##		1	0	0	0	0	0	0	0	0	1	0
	406											
		1	0	0	0	0	0	0	0	0	1	0
	407	1	0	0	0	0	0	0	0	0	1	0
##	408	0	1	0	0	0	0	0	0	0	0	1
##	409	0	1	0	0	0	0	0	0	0	1	0
	410	0	1	0	0	0	0	0	0	0	0	1
	411	0	1	0	0	0	0	0	0	0	0	1
	412	0	0	1	0	1	0	0	0	0	0	0
##	413	0	0	1	0	1	0	0	0	0	0	0
##	414	0	0	1	0	1	0	0	0	0	0	0
##	415	0	0	0	1	0	0	0	0	0	0	1
	416	0	0	0	1	0	1	0	0	0	0	0
	417	0	0	0	1	0	1	0	0	0	0	0
	418	0	0	0	1	0	0	1	0	0	0	0
##		0	0	0	0	0	0	0	1	0	0	0
##	420	0	0	0	0	0	1	0	0	0	0	0
##	421	0	0	0	0	0	0	0	0	1	0	0
##	422	0	0	0	0	0	0	0	1	0	0	0
	423	0	0	0	0	0	0	1	0	0	0	0
	424	0	0	0	0	0	0	0	0	1	0	0
	425	0	0	0	0	0	0	0	0	1	0	0
##		0	0	0	0	0	0	0	1	0	0	0
	427	0	0	0	0	0	0	0	1	0	0	0
##	428	0	0	0	0	0	0	0	0	0	1	0
##	429	1	0	0	0	0	0	0	0	1	0	0
##	430	1	0	0	0	0	0	0	0	0	1	0
##		1	0	0	0	0	0	0	0	0	1	0
				0	0		0	0	0	0		
##		1	0			0					0	1
##		1	0	0	0	0	0	0	0	0	1	0
	434	1	0	0	0	0	0	0	0	0	0	1
##	435	0	1	0	0	0	0	0	0	0	1	0
##	436	0	1	0	0	0	0	0	0	1	0	0
	437	0	1	0	0	0	0	0	0	0	1	0
	438	0	1	0	0	0	0	0	0	0	0	1
##		0	1	0	0	0	0	0	0	0	0	1
	440	0	0	1	0	1	0	0	0	0	0	0
##		0	0	1	0	1	0	0	0	0	0	0
##	442	0	0	0	1	0	0	1	0	0	0	0
##	443	0	0	0	1	0	1	0	0	0	0	0
	444	0	0	0	1	0	1	0	0	0	0	0
##		0	0	0	1	0	0	1	0	0	0	0
##						1	0	0				
		0	0	0	0				0	0	0	0
##	44/	0	0	0	0	0	0	0	1	0	0	0

##	448	0	0	0	0	0	1	0	0	0	0	0
##	449	0	0	0	0	0	0	0	0	1	0	0
	450	0	0	0	0	0	0	0	0	1	0	0
##	451	0	0	0	0	0	0	1	0	0	0	0
##	452	0	0	0	0	0	0	0	1	0	0	0
	453	0	0	0	0	0	0	0	0	0	1	0
	454	0	0	0	0	0	0	0	0	1	0	0
##	455	1	0	0	0	0	0	0	0	0	1	0
##	456	1	0	0	0	0	0	0	0	1	0	0
	457	_ 1	0	0	0	0	0	0	0	0	1	0
	458	1	0	0	0	0	0	0	0	0	1	0
##	459	0	1	0	0	0	0	0	0	0	0	1
##	460	0	1	0	0	0	0	0	0	0	1	0
	461	0	0	1	0	1	0	0	0	0	0	0
	462	0	0	1	0	0	0	0	0	0	0	1
##	463	0	0	1	0	0	0	0	0	0	1	0
##	464	0	0	1	0	1	0	0	0	0	0	0
##	465	0	0	1	0	0	1	0	0	0	0	0
	466	0	0	0	0	0	0	0	0	1	0	0
	467	0	0	0	0	0	0	0	1	0	0	0
##	468	0	0	0	0	0	0	1	0	0	0	0
##	469	0	0	0	0	0	0	1	0	0	0	0
	470	0	0	0	0	0	0	0	1	0	0	0
	471	0	0	0	0	0	0	0	1	0	0	0
##	472	1	0	0	0	0	0	0	0	0	0	1
##	473	1	0	0	0	0	0	0	0	1	0	0
##	474	1	0	0	0	0	0	0	0	0	0	1
	475	0	1	0	0	0	0	0	0	0	1	0
	476	0	1	0	0	0	0	0	0	0	1	0
##	477	0	1	0	0	0	0	0	0	0	1	0
##	478	0	1	0	0	0	0	0	0	1	0	0
	479	0	1	0	0	0	0	0	0	0	0	1
	480	0	1	0	0	0	0	0	0	0	0	1
	481	0	0	1	0	1	0	0	0	0	0	0
##	482	0	0	1	0	0	1	0	0	0	0	0
##	483	0	0	1	0	0	0	0	0	0	0	1
	484	0	0	1	0	0	1	0	0	0	0	0
	485	0	0	0	1	1	0	0	0	0	0	0
	486	0	0	0	1	1	0	0	0	0	0	0
##	487	0	0	0	0	0	1	0	0	0	0	0
	488	0	0	0	0	0	1	0	0	0	0	0
	489	0	0	0	0	0	0	0	0	1	0	0
	490	0	0	0	0	0	0	0	1	0	0	0
##	491	1	0	0	0	0	0	0	0	1	0	0
##	492	1	0	0	0	0	0	0	0	1	0	0
	493	1	0	0	0	0	0	0	1	0	0	0
	494	0	1	0	0	1	0	0	0	0	0	0
	495	0	1	0	0	1	0	0	0	0	0	0
##	496	0	0	1	0	0	0	0	0	0	0	1
	497	0	0	1	0	0	0	0	0	0	0	1
11 11	127	5	J	_	J	J	J	J	J	J	J	_

##	498	0	0	1	0	1	0	0	0	0	0	0
##	499	0	0	1	0	0	0	0	0	0	0	1
	500	0	0	1	0	0	0	0	0	0	0	1
	501	0	0	0	1	0	0	0	0	0	0	1
##	502	0	0	0	1	0	1	0	0	0	0	0
##	503	0	0	0	1	0	0	0	0	0	0	1
	504	0	0	0	1	0	1	0	0	0	0	0
	505					0				0		
		0	0	0	1		1	0	0		0	0
	506	0	0	0	1	1	0	0	0	0	0	0
##	507	0	0	0	1	0	0	1	0	0	0	0
##	508	0	0	0	0	0	1	0	0	0	0	0
	509	0	0	0	0	0	0	0	1	0	0	0
	510				0		0				0	
		0	0	0		0		0	1	0		0
	511	0	0	0	0	1	0	0	0	0	0	0
##	512	0	0	0	0	0	1	0	0	0	0	0
##	513	0	0	0	0	0	1	0	0	0	0	0
	514	0	0	0	0	0	0	1	0	0	0	0
	515	0	0	0	0	0	0	0	0	1	0	0
	516	0	0	0	0	0	0	1	0	0	0	0
##	517	0	0	0	0	0	0	0	1	0	0	0
##	518	0	0	0	0	0	0	0	0	1	0	0
	519	0	0	0	0	0	0	0	0	0	1	0
	520											
		0	0	0	0	0	0	0	1	0	0	0
	521	1	0	0	0	0	0	0	0	0	1	0
##	522	1	0	0	0	0	0	0	1	0	0	0
##	523	1	0	0	0	0	0	0	0	0	1	0
	524	1	0	0	0	0	0	0	0	0	1	0
	525	1	0	0	0	0	0	0	0	0	0	1
	526	1	0	0	0	0	0	0	0	0	1	0
##	527	0	1	0	0	0	0	0	0	1	0	0
##	528	0	1	0	0	0	0	0	0	1	0	0
##	529	0	1	0	0	0	0	0	0	0	1	0
	530	0	1	0	0	0	0	0	0	0	1	0
	531	0	1	0	0	0	0	0	0	0	0	1
##	532	0	1	0	0	0	0	0	0	0	0	1
##	533	0	0	1	0	0	0	0	0	0	0	1
##	534	0	0	1	0	0	0	0	0	0	0	1
	535	0	0	1	0	0	0	0	0	0	0	1
	536											
		0	0	0	1	0	1	0	0	0	0	0
	537	0	0	0	1	0	1	0	0	0	0	0
##	538	0	0	0	1	0	1	0	0	0	0	0
##	539	0	0	0	1	0	0	1	0	0	0	0
	540	0	0	0	0	0	0	1	0	0	0	0
	541	0		0	0	0	0	1	0	0	0	0
			0									
	542	0	0	0	0	0	1	0	0	0	0	0
##	543	0	0	0	0	0	0	0	1	0	0	0
##	544	0	0	0	0	0	0	0	1	0	0	0
	545	0	0	0	0	0	0	0	0	1	0	0
	546	0		0	0	0	0	0	1	0	0	
			0									0
##	547	0	0	0	0	0	0	0	1	0	0	0

= . =	_	_	_	_	_	_		_	_	_	_	
## 548	0	0	0	0	0	0	1	0	0	0	0	
## 549	0	0	0	0	0	0	1	0	0	0	0	
## 550	0	0	0	0	0	0	0	1	0	0	0	
## 551	0	0	0	0	0	0	1	0	0	0	0	
## 552	0	0	0	0	0	0			0			
							0	1		0	0	
## 553	0	0	0	0	0	0	0	1	0	0	0	
## 554	0	0	0	0	0	0	1	0	0	0	0	
## 555	0	0	0	0	0	0	0	1	0	0	0	
## 556	1	0	0	0	0	0	0	0	1	0	0	
## 557	0	0	1	0	0	1	0	0	0	0	0	
## 558	0	0	1	0	ø	0	ø	0	0	0	1	
## 559	0	0	1	0	1	0	0	0	0	0	0	
## 560	0	0	1	0	1	0	0	0	0	0	0	
## 561	0	0	0	1	0	1	0	0	0	0	0	
## 562	0	0	0	1	1	0	0	0	0	0	0	
## 563	0	0	0	0	0	1	0	0	0	0	0	
## 564	0	0	0	0	0	0	1	0	0	0	0	
## 565	0	0	0	0	0	0			0			
							1	0		0	0	
## 566	0	0	0	0	0	0	0	1	0	0	0	
## 567	0	0	0	0	0	0	0	1	0	0	0	
## 568	0	0	0	0	0	0	0	1	0	0	0	
## 569	0	0	0	0	0	0	0	1	0	0	0	
## 570	0	0	0	0	0	0	0	0	1	0	0	
## 571	0	0	0	0	0	0	1	0	0	0	0	
## 572	0	0	0	0	0	0	0	1	0	0	0	
## 573	1	0	0	0	0	0	0	0	0	1	0	
## 574	1	0	0	0	0	0	0	1	0	0	0	
## 575	1	0	0	0	0	0	0	0	0	1	0	
## 576	1	0	0	0	0	0	0	0	0	1	0	
## 577	1	0	0	0	0	0	0	0	1	0	0	
## 578	1	0	0	0	ø	ø	0	0	1	0	0	
## 579	0	1	0	0	0	0	0	0	0	1	0	
## 580	0	1	0	0	0	0	0	0	0	0	1	
## 581	0	1	0	0	1	0	0	0	0	0	0	
## 582	0	1	0	0	0	0	0	0	0	0	1	
## 583	0	1	0	0	0	0	0	0	0	1	0	
## 584	0	0	1	0	0	0	0	0	0	0	1	
## 585	0	0	1	0	1	0	0	0	0	0	0	
## 586	0	0	1	0	0	0	0	0	0	0	1	
## 587	0	0	1	0	0	0	0	0	0	0	1	
## 588	0	0	1	0	0	1	0	0	0	0	0	
## 589	0	0	1	0	1	0	0	0	0	0	0	
## 590	0	0	1	0	1	0	0	0	0	0	0	
## 591	0	0	_ 1	0	0	1	0	0	0	0	0	
## 592	0	0	0	1	0	0	1	0	0	0	0	
## 593	0	0	0	1	0	1	0	0	0	0	0	
## 594	0	0	0	0	0	0	0	1	0	0	0	
## 595	0	0	0	0	0	0	0	0	1	0	0	
## 596	0	0	0	0	0	0	1	0	0	0	0	
## 597	0	0	0	0	0	0	1	0	0	0	0	
=	_	_	_	_	-	-	_	_	_	-	-	

##	598	0	0	0	0	0	0	0	0	1	0	0
##	599	0	0	0	0	0	0	0	0	1	0	0
	600	0	0	0	0	0	0	0	1	0	0	0
	601	0	0	0	0	0	0	1	0	0	0	0
	602	0	0	0	0	0	0	0	0	0	1	0
##	603	0	0	0	0	0	0	0	1	0	0	0
##	604	1	0	0	0	0	0	0	0	0	1	0
	605	1	0	0	0	0	0	0	0	0	1	0
	606	1	0	0	0	0	0	0	1	0	0	0
	607	1	0	0	0	0	0	0	0	0	0	1
##	608	1	0	0	0	0	0	0	0	1	0	0
##	609	1	0	0	0	0	0	0	0	0	0	1
	610	0	1	0	0	0	0	0	0	0	1	0
	611	0	1	0	0	1	0	0	0	0	0	0
	612	0	1	0	0	0	0	0	0	0	0	1
##	613	0	1	0	0	0	0	0	0	0	0	1
##	614	0	1	0	0	0	0	0	0	1	0	0
##	615	0	0	1	0	0	1	0	0	0	0	0
	616	0	0	1	0	0	0	0	0	0	0	1
	617	0	0	1	0	0	0	0	0	0	0	1
	618	0	0	0	1	1	0	0	0	0	0	0
	619	0	0	0	1	0	1	0	0	0	0	0
##	620	0	0	0	1	0	1	0	0	0	0	0
##	621	0	0	0	1	1	0	0	0	0	0	0
##	622	0	0	0	1	0	0	1	0	0	0	0
	623	0	0	0	1	0	0	1	0	0	0	0
	624	0	0	0	0	0	1	0	0	0	0	0
	625	0	0	0	0	0	0	1	0	0	0	0
	626	0	0	0	0	0	0	0	0	1	0	0
	627	0	0	0	0	0	0	0	1	0	0	0
##	628	0	0	0	0	0	0	0	1	0	0	0
##	629	0	0	0	0	0	0	1	0	0	0	0
	630	0	0	0	0	0	0	0	1	0	0	0
	631	0	0	0	0	0	0	0	1	0	0	0
	632	0	0	0	0	0	0	0	0	0	1	0
	633	0	0	0	0	0	0	1	0	0	0	0
	634	0	0	0	0	0	0	0	0	1	0	0
##	635	0	0	0	0	0	0	0	0	0	1	0
	636	0	0	0	0	0	0	0	1	0	0	0
	637	0	0	0	0	0	0	0	0	1	0	0
	638	0	0	0	0	0	0	0	1	0	0	0
	639	0	0	0	0	0	0	0	0	0	1	0
	640	0	0	0	0	0	0	0	1	0	0	0
##	641	0	0	0	0	0	0	0	1	0	0	0
##	642	0	0	0	0	0	0	0	1	0	0	0
	643	0	0	0	0	0	0	0	0	1	0	0
	644	0	0	0	0	0	0	0	0	0	1	0
	645	0	0	0	0	0	0	0	0	1	0	0
	646	0	0	0	0	0	0	0	1	0	0	0
##	647	0	0	0	0	0	0	0	0	1	0	0

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

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

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

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

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

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

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

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

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

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

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

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

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

## 1298	1	0	0	0	0	0	0	1	0	0	0	
## 1299	1	0	0	0	0	0	0	0	0	1	0	
## 1300	1	0	0	0	0	0	0	0	1	0	0	
## 1301	1	0	0	0	0	0	0	0	0	1	0	
## 1302	0	1	0	0	0	0	0	0	1	0	0	
## 1303	0	1	0	0	0	0	0	0	0	0	1	
## 1304	0	0	1	0	1	0	0	0	0	0	0	
## 1305	0	0	0	1	1	0	0	0	0	0	0	
## 1306	0	0	0	0	0	1	0	0	0	0	0	
## 1307	0	0	0	0	0	1	0	0	0	0	0	
## 1308	0	0	0	0	0	0	0	1	0	0	0	
## 1309	0	0	0	0	0	0	0	1	0	0	0	
## 1310	0	0	0	0	0	0	0	1	0	0	0	
## 1311	0	0	0	0	0	0	0	0	0	1	0	
## 1312	0	0	0	0	0	0	0	0	1	0	0	
## 1313	0	0	0	0	0	0	0	1	0	0	0	
## 1314	1	0	0	0	0	0	0	0	1	0	0	
## 1315	1	0	0	0	0	0	0	1	0	0	0	
				0			0					
## 1316	1	0	0		0	0		1	0	0	0	
## 1317	1	0	0	0	0	0	0	0	1	0	0	
## 1318	0	0	0	1	1	0	0	0	0	0	0	
## 1319	0	0	0	0	0	1	0	0	0	0	0	
## 1320	0	0	0	0	0	0	0	0	1	0	0	
## 1321	0	0	0	0	0	0	0	1	0	0	0	
## 1322	0	1	0	0	0	0	0	0	0	1	0	
## 1323	0	0		ø		0	0	ø	0	0	0	
			1		1							
## 1324	0	0	0	1	0	1	0	0	0	0	0	
## 1325	0	0	0	0	1	0	0	0	0	0	0	
## 1326	0	0	0	0	0	0	0	0	0	1	0	
## 1327	0	0	0	0	0	0	0	0	0	1	0	
## 1328	1	0	0	0	0	0	0	0	1	0	0	
## 1329	0	1	0	0	0	0	0	0	0	1	0	
## 1330	0	0		0		0	0	0	0	0	0	
			1		1							
## 1331	0	0	0	1	0	1	0	0	0	0	0	
## 1332	0	0	0	0	1	0	0	0	0	0	0	
## 1333	0	0	0	0	0	0	1	0	0	0	0	
## 1334	0	0	0	0	0	0	0	0	1	0	0	
## 1335	1	0	0	0	0	0	0	0	1	0	0	
## 1336	0	0	1	0	1	0	0	0	0	0	0	
## 1337	0	0	0	0	0	0	0	0	1	0	0	
## 1338	1	0	0	0	0	0	0	0	1	0	0	
## 1339	0	1	0	0	0	0	0	0	0	0	1	
## 1340	0	0	0	0	0	0	1	0	0	0	0	
## 1341	0	0	0	0	0	1	0	0	0	0	0	
## 1342	0	0	0	0	0	0	0	1	0	0	0	
## 1343	1	0	0	0	0	0	0	0	0	0	1	
## 1344	1	0	0	0	0	0	0	0	0	1	0	
## 1345	0	0	0	0	0	0	0	0	1	0	0	
## 1346	0	0	0	0	0	0	0	0	1	0	0	
## 1347	0	0	1	0	1	0	0	0	0	0	0	

## 1348	0	0	1	0	0	0	0	0	0	1	0	
## 1349	1	0	0	0	0	0	0	0	0	1	0	
## 1350	0	1	0	0	0	0	0	0	0	0	1	
## 1351	0	0	1	0	0	0	0	0	0	0	1	
## 1352	0	0	0	0	0	0	0	0	1	0	0	
## 1353	0	0	0	0	0	0	0	0	1	0	0	
## 1354	0	0	0	0	0	0	0	0	0	1	0	
## 1355	0	0	0	0	0	1	0	0	0	0	0	
## 1356												
	0	1	0	0	0	0	0	0	0	1	0	
## 1357	1	0	0	0	0	0	0	0	0	1	0	
## 1358	0	0	0	0	0	0	0	1	0	0	0	
## 1359	0	1	0	0	0	0	0	0	0	1	0	
## 1360	0	0	1	0	0	0	0	0	0	0	1	
## 1361	0	0	1	0	1	0	0	0	0	0	0	
## 1362	0	0	0	0	0	0	0	0	1	0	0	
## 1363	0	0	0	0	0	0	0	1	0	0	0	
## 1364	0	0	0	0	0	0	0	0	1	0	0	
## 1365	0	0	0	0	0	0	0	1	0	0	0	
## 1366	1	0	0	0	0	0	0	0	0	1	0	
## 1367	0	0	0	1	ø	1	0	0	0	0	0	
## 1368	0	0	1	0	0	0	0	0	0	1	0	
## 1369	0	0	0	0	0	0	0	0	1	0	0	
## 1370	0	0	0	1	0	1	0	0	0	0	0	
## 1371	0	0	0	1	0	1	0	0	0	0	0	
## 1372	0	0	0	0	0	0	0	1	0	0	0	
## 1373	0	0	0	0	0	0	1	0	0	0	0	
## 1374	0	0	0	ø	ø	0	1	0	0	0	0	
## 1375	0	0	0	0	0	0	0	1	0	0	0	
## 1376	0	0	0	0	0	0	0	1	0	0	0	
## 1377	1	0	0	0	0	0	0	0	1	0	0	
## 1378	0	0	0	1	0	0	0	0	0	0	1	
## 1379	0	0	0	1	0	1	0	0	0	0	0	
## 1380	0	0	0	0	0	0	0	1	0	0	0	
## 1381	0	0	0	0	0	0	0	1	0	0	0	
## 1382	0	0	1	0	0	1	0	0	0	0	0	
## 1383	0	0	0	1	0	1	0	0	0	0	0	
## 1384	0	1	0	0	0	0	0	0	0	1	0	
## 1385	0	1	0	0	0	0	0	0	0	1	0	
## 1386	0	0	0	0	0	0	1	0	0	0	0	
## 1387	0	0	0	1	0	0	1	0	0	0	0	
## 1388	0	0	0	0	ø	ø	0	1	0	0	0	
## 1389	0	0	1	0	0	0	0	0	0	0	1	
## 1390	0	0	0	1	1	0	0	0	0	0	0	
## 1391	1	0	0	0	0	0	0	0	0	1	0	
## 1392	0	1	0	0	0	0	0	0	0	0	1	
## 1393	0	0	0	1	0	1	0	0	0	0	0	
## 1394	0	0	0	0	0	1	0	0	0	0	0	
## 1395	0	0	1	0	0	0	0	0	0	1	0	
## 1396	0	0	0	0	0	0	0	0	0	1	0	
## 1397	0	0	1	0	1	0	0	0	0	0	0	

	_	_	_	_	_	_	_	_	_	_	_	
## 1398	0	0	0	1	1	0	0	0	0	0	0	
## 1399	1	0	0	0	0	0	0	0	0	0	1	
## 1400	0	0	0	0	0	0	0	1	0	0	0	
## 1401	0	0	1	0	1	0	0	0	0	0	0	
## 1402	0	0	0	0	0	0	1	0	0	0	0	
## 1403	1	0	0	0	0	0	0	0	0	0	1	
## 1404	0	0	1	0	1	0	0	0	0	0	0	
## 1405	0	0	0	0	0	0	0	1	0	0	0	
## 1406												
	1	0	0	0	0	0	0	0	0	0	1	
## 1407	0	0	0	1	0	0	0	0	0	0	1	
## 1408	0	0	1	0	0	0	0	0	0	0	1	
## 1409	0	0	0	0	0	0	0	1	0	0	0	
## 1410	0	0	0	0	1	0	0	0	0	0	0	
## 1411	1	0	0	0	0	0	0	0	0	0	1	
## 1412	1	0	0	0	0	0	0	0	1	0	0	
## 1413	0	1	0	0	0	0	0	0	0	0	1	
## 1414	0	1	0	0	0	0	0	0	0	1	0	
## 1415	0	0	0	1	1	0	0	0	0	0	0	
## 1416	0	0	1	0	0	1	0	0	0	0	0	
## 1417	ø	0	0	0	ø	0	0	1	0	0	0	
## 1418	1	0	0	0	0	0	0	0	0	1	0	
## 1419	0	0	1	0	0	0	0	0	0	0	1	
## 1420	0	0	1	0	0	1	0	0	0	0	0	
## 1421	0	0	0	1	1	0	0	0	0	0	0	
## 1422	0	0	0	0	0	0	1	0	0	0	0	
## 1423	0	0	0	1	0	1	0	0	0	0	0	
## 1424	0	0	0	1	1	0	0	0	0	0	0	
## 1425	0		0	1	0	1	0		0	0	0	
		0						0				
## 1426	0	0	0	0	0	0	0	1	0	0	0	
## 1427	0	0	0	0	0	1	0	0	0	0	0	
## 1428	1	0	0	0	0	0	0	0	1	0	0	
## 1429	0	0	0	0	1	0	0	0	0	0	0	
## 1430	0	0	0	0	0	1	0	0	0	0	0	
## 1431	0	0	0	1	0	1	0	0	0	0	0	
## 1432	0		0	0	0	0		0				
		0					1		0	0	0	
## 1433	0	1	0	0	0	0	0	0	0	1	0	
## 1434	0	0	1	0	0	1	0	0	0	0	0	
## 1435	0	0	1	0	0	0	0	0	0	1	0	
## 1436	0	0	1	0	0	0	0	0	0	0	1	
## 1437	0	0	0	1	1	0	0	0	0	0	0	
## 1438	0	0	0	1	1	0	0	0	0	0	0	
## 1439	0		0	1	0	1	0	0	0	0	0	
		0										
## 1440	0	0	0	0	0	0	0	1	0	0	0	
## 1441	0	0	0	0	0	0	0	1	0	0	0	
## 1442	0	0	0	0	0	1	0	0	0	0	0	
## 1443	0	0	0	0	0	0	0	0	1	0	0	
## 1444	0	0	0	0	0	0	0	0	1	0	0	
## 1445	ø	0	0	ø	ø	0	0	ø	1	0	0	
## 1446	1	0	0	0	0	0	0	0	0	1	0	
## 1447	1	0	0	0	0	0	0	1	0	0	0	

## 1448	0	1	0	0	0	0	0	0	0	0	1	
## 1449	0	1	0	0	0	0	0	0	0	0	1	
## 1450	0	1	0	0	1	0	0	0	0	0	0	
## 1451	0	0	1	0	0	0	0	0	0	1	0	
## 1452	0	0	1	0	1	0	0	0	0	0	0	
## 1453	0	0	1	0	0	0	0	0	0	0	1	
## 1454	0	0	0	1	0	0	1	0	0	0	0	
## 1455	0	0	0	0	0	0	1	0	0	0	0	
## 1456	0	0	0	0	0	1	0	0	0	0	0	
## 1457												
	0	0	0	0	0	0	0	1	0	0	0	
## 1458	0	0	0	0	0	0	0	1	0	0	0	
## 1459	0	0	0	0	0	0	0	0	0	1	0	
## 1460	1	0	0	0	0	0	0	0	0	1	0	
## 1461	0	1	0	0	0	0	0	0	1	0	0	
## 1462	0	0	0	0	0	0	1	0	0	0	0	
## 1463	0	0	0	0	0	0	0	0	1	0	0	
## 1464	0	0	0	0	0	0	0	0	1	0	0	
## 1465	0	1	0	0	0	0	0	0	0	1	0	
## 1466	0	1	0	0	0	0	0	0	0	0	1	
## 1467	0	1	0	0	0	0	0	0	0	0	1	
## 1468	0	0	1	0	0	0	0	0	0	1	0	
## 1469	0	0	0	0	0	0	1	0	0	0	0	
## 1470	1	0	0	0	0	0	0	1	0	0	0	
## 1471	1	0	0	0	0	0	0	0	1	0	0	
## 1472	1	0	0	0	0	0	0	0	0	1	0	
## 1473	0	0	0	0	0	1	0	0	0	0	0	
## 1474	0	0	0	0	0	0	0	1	0	0	0	
## 1475	0	0	0	0	0	0	1	0	0	0	0	
## 1476	0	0	0	0	0	1	0	0	0	0	0	
## 1477	0	0	0	0	0	0	1	0	0	0	0	
## 1478												
	0	0	0	0	0	0	0	1	0	0	0	
## 1479	0	0	0	0	0	0	1	0	0	0	0	
## 1480	1	0	0	0	0	0	0	0	0	1	0	
## 1481	0	0	0	1	1	0	0	0	0	0	0	
## 1482	0	0	0	0	1	0	0	0	0	0	0	
## 1483	0	0	0	0	0	0	0	1	0	0	0	
## 1484	0	0	0	0	0	0	1	0	0	0	0	
## 1485	1	0	0	0	0	0	0	0	0	1	0	
## 1486	0	1	0	0	0	0	0	0	0	1	0	
## 1487	0	0	0	1	1	0	0	0	0	0	0	
## 1488	0	0	0	0	0	1	0	0	0	0	0	
## 1489	1	0	0	0	0	0	0	1	0	0	0	
## 1490	0	0	1	0	1	0	0	0	0	0	0	
## 1491	0	0	0	0	0	0	0	1	0	0	0	
## 1492	0	0	0	0	0	0	1	0	0	0	0	
## 1493	0	0	0	0	0	0	0	0	0	1	0	
## 1494	1	0	0	0	0	0	0	0	0	1	0	
## 1495	0	1	0	0	0	0	0	0	0	0	1	
## 1496	0	0	1	0	0	0	0	0	0	0	1	
## 1497	0	0	1	0	0	0	0	0	0	0	1	

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

## 1548	0	0	0	0	0	0	0	1	0	0	0	
## 1549	0	0	0	0	0	0	0	1	0	0	0	
## 1550	0	0	0	0	0	0	0	0	0	1	0	
## 1551	0	0	0	0	0	0	0	1	0	0	0	
## 1552	0	0	0	0	0	0	0	1	0	0	0	
## 1553	1	0	0	0	0	0	0	0	0	1	0	
## 1554	1	0	0	0	0	0	0	0	0	1	0	
## 1555	1	0	0	0	0	0	0	0	1	0	0	
## 1556	1	0	0	0	0	0	0	0	1	0	0	
## 1557	0	1	0	0	0	0	0	0	1	0	0	
## 1558	0	1	0	0	1	0	0	0	0	0	0	
## 1559	0	1	0	0	0	0	0	0	0	1	0	
## 1560	0	_ 1	0	0	0	0	0	0	0	1	0	
## 1561	0	1	0	0	0	0	0	0	0	0	1	
## 1562	0	0	1	0	0	0	0	0	0	0	1	
## 1563	0	0	1	0	1	0	0	0	0	0	0	
## 1564	0	0	1	0	0	0	0	0	0	0	1	
## 1565	0	0	1	0	0	0	0	0	0	0	1	
## 1566	0	0	0	1	0	0	0	0	0	0	1	
## 1567	0	0	0	1	0	0	0	0	0	0	1	
## 1568	0	0	0	1	1	0	0	0	0	0	0	
## 1569	0	0	0	1	1	0	0	0	0	0	0	
## 1570	0	0	0	1	1	0	0	0	0	0	0	
## 1571	0	0	0	1	1	0	0	0	0	0	0	
## 1572	0	0	0	0	0	1	0	0	0	0	0	
## 1573	0	0	0	0	0	0	1	0	0	0	0	
## 1574	0	0	0	0	0	0	1	0	0	0	0	
## 1575	0	0	0	0	0	0	1	0	0	0	0	
## 1576	0	0	0	0	0	0	0	0	1	0	0	
## 1577	0	0	0	0	0	0	0	1	0	0	0	
## 1578	0	0	0	0	0	0	1	0	0	0	0	
## 1579	0	0	0	ø	ø	0	0	0	1	0	0	
## 1580	1	0	0	0	0	0	0	1	0	0	0	
## 1581	1	0	0	0	0	0	0	0	1	0	0	
## 1582	1	0	0	0	0	0	0	0	0	1	0	
## 1583	0	0	1	0	0	0	0	0	0	1	0	
## 1584	0	0	0	0	0	0	0	0	0	1	0	
## 1585	0	0	0	0	0	1	0	0	0	0	0	
## 1586	0	0	0	ø	ø	0	0	0	1	0	0	
## 1587	0	1	0	0	0	0	0	0	1	0	0	
## 1588	0	0	0	0	0	0	0	0	1	0	0	
## 1589	0	0	0	0	0	0	1	0	0	0	0	
## 1590	1	0	0	0	0	0	0	1	0	0	0	
## 1591	1	0	0	0	0	0	0	0	0	1	0	
## 1592	0	0	1	0	1	0	0	0	0	0	0	
## 1593	0	0	0	0	0	0	0	0	0	1	0	
## 1594	0	0	1	0	0	1	0	0	0	0	0	
## 1595	0	0	0	1	0	0	0	0	0	0	1	
## 1596	0	0	0	0	0	0	0	0	1	0	0	
## 1597	0	1	0	0	0	0	0	0	0	0	1	

##	1598	0	0	0	0	0	0	1	0	0	0	0
##	1599	0	0	0	0	0	0	0	0	1	0	0
##	1600	1	0	0	0	0	0	0	0	1	0	0
	1601	0	0	1	0	1	0	0	0	0	0	0
	1602	0	0	1	0	0	0	0	0	0	0	1
	1603	0	0	0	1	0	0	1	0	0	0	0
##	1604	0	0	0	0	0	0	0	1	0	0	0
##	1605	0	0	0	0	0	0	0	0	1	0	0
	1606	0	1	0	0	0	0	0	0	0	0	1
	1607	0	1	0	0	0	0	0	0	0	0	1
	1608	0	0	0	1	0	1	0	0	0	0	0
	1609	0	0	0	0	0	0	0	0	1	0	0
##	1610	0	0	0	0	0	0	0	1	0	0	0
##	1611	0	0	0	0	0	0	0	0	0	1	0
##	1612	0	1	0	0	0	0	0	0	0	0	1
	1613	0	1	0	0	0	0	0	0	1	0	0
	1614		1	0	0	0	0	0	0	0	1	0
		0										
	1615	0	0	0	1	0	1	0	0	0	0	0
	1616	0	0	1	0	1	0	0	0	0	0	0
##	1617	0	0	0	0	0	0	0	0	1	0	0
##	1618	1	0	0	0	0	0	0	1	0	0	0
	1619	0	0	0	0	0	0	0	1	0	0	0
	1620	0	0	1	0	0	1	0	0	0	0	0
	1621	0	0	0	0	0	0	1	0	0	0	0
	1622	0	1	0	0	0	0	0	0	0	1	0
##	1623	0	0	1	0	0	0	0	0	0	1	0
##	1624	1	0	0	0	0	0	0	0	1	0	0
##	1625	1	0	0	0	0	0	0	0	1	0	0
	1626	0	0	0	0	0	0	1	0	0	0	0
	1627	0	1	0	0	0	0	0	0	1	0	0
##	1628	1	0	0	0	0	0	0	0	0	0	1
	1629	0	0	1	0	1	0	0	0	0	0	0
##	1630	0	0	0	0	0	0	0	0	1	0	0
##	1631	1	0	0	0	0	0	0	0	1	0	0
##	1632	0	1	0	0	0	0	0	0	0	1	0
	1633	1	0	0	0	0	0	0	0	0	0	1
	1634			0		0	0	0		0	1	0
		0	1		0				0			
	1635	1	0	0	0	0	0	0	1	0	0	0
	1636	0	0	0	0	0	1	0	0	0	0	0
##	1637	0	0	0	0	0	0	0	1	0	0	0
##	1638	0	0	0	0	0	0	0	1	0	0	0
##	1639	0	0	0	0	0	0	0	1	0	0	0
	1640	0	0	0	0	0	0	0	0	0	1	0
	1641		0	0			0					
		0			0	0		0	0	0	1	0
	1642	1	0	0	0	0	0	0	0	0	0	1
##	1643	0	1	0	0	0	0	0	0	0	0	1
##	1644	0	0	1	0	1	0	0	0	0	0	0
##	1645	0	0	0	1	0	0	0	0	0	0	1
	1646	0	0	0	1	1	0	0	0	0	0	0
	1647	0	0	0	0	0	0	1	0	0	0	0
##	104/	U	U	U	U	U	U	Т	U	U	U	U

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

##	1698	0	0	0	0	0	0	0	1	0	0	0
##	1699	0	0	0	0	0	0	1	0	0	0	0
	1700	0	0	0	0	0	0	0	1	0	0	0
	1701	-	0	0	0		0			0	0	0
		0				0		0	1			
	1702	0	0	0	0	0	0	0	0	0	1	0
##	1703	1	0	0	0	0	0	0	0	0	1	0
##	1704	1	0	0	0	0	0	0	0	1	0	0
	1705	0	1	0	0	0	0	0	0	1	0	0
	1706	0	1	0	0	1	0	0	0	0	0	0
	1707	0	0	1	0	0	0	0	0	0	0	1
##	1708	0	0	0	1	0	1	0	0	0	0	0
##	1709	0	0	0	1	0	1	0	0	0	0	0
	1710	0	0	0	0	0	1	0	0	0	0	0
	1711	0	0	0	0	0	1	0	0	0	0	0
	1712	0	0	0	0	0	0	0	1	0	0	0
##	1713	0	0	0	0	0	0	0	1	0	0	0
##	1714	0	0	0	0	0	0	0	0	1	0	0
##	1715	1	0	0	0	0	0	0	0	0	1	0
	1716	1	0	0	0	0	0	0	0	0	1	0
	1717	0	1	0	0	0	0	0	0	0	0	1
	1718	0	1	0	0	0	0	0	0	0	1	0
##	1719	0	0	1	0	0	0	0	0	0	0	1
##	1720	0	0	1	0	1	0	0	0	0	0	0
##	1721	0	0	0	1	0	0	0	0	0	0	1
	1722	0	0	0	1	0	0	1	0	0	0	0
	1723	0	0	0	0	0	0	1	0	0	0	0
	1724	0	0	0	0	0	0	0	1	0	0	0
	1725	0	0	0	0	0	0	0	0	1	0	0
##	1726	0	0	0	0	0	0	0	0	1	0	0
##	1727	0	0	0	0	0	0	0	0	0	1	0
##	1728	0	0	0	0	0	0	0	1	0	0	0
##	1729	1	0	0	0	0	0	0	0	1	0	0
	1730	1	0	0	0	0	0	0	0	0	0	1
	1731	0	1	0	0	0	0	0	0	0	0	1
	1732	0	1	0	0	0	0	0	0	1	0	0
##	1733	0	0	1	0	0	1	0	0	0	0	0
##	1734	0	0	1	0	0	1	0	0	0	0	0
##	1735	0	0	0	1	0	1	0	0	0	0	0
	1736	0	0	0	1	0	0	1	0	0	0	0
	1737	0	0	0		0	1	0		0	0	
					0				0			0
	1738	0	0	0	0	0	0	1	0	0	0	0
	1739	0	0	0	0	0	0	0	1	0	0	0
##	1740	0	0	0	0	0	0	0	0	1	0	0
##	1741	0	0	0	0	0	0	0	1	0	0	0
	1742	0	0	0	0	0	0	1	0	0	0	0
	1743	0	0	0	0	0	0	0	0	1	0	0
	1744	1	0	0	0	0	0	0	0	0	1	0
	1745	1	0	0	0	0	0	0	0	1	0	0
	1746	1	0	0	0	0	0	0	1	0	0	0
##	1747	1	0	0	0	0	0	0	0	1	0	0

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

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

## 1849 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0	##	10/10	ρ	ρ	1	0	1	0	0	0	0	α	0	
## 1850 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	1	0	1	0	0	0	0	0	0	
## 1851														
## 1 0.0000000000 ## 3 0.0000000000 ## 4 0.0000000000 ## 4 0.0000000000 ## 5 0.0000000000 ## 6 0.0000000000 ## 7 0.0000000000 ## 8 0.0000000000 ## 8 0.0000000000 ## 8 0.0000000000 ## 10 0.0000000000 ## 11 0.0000000000 ## 12 0.0000000000 ## 12 0.0000000000 ## 12 0.0000000000 ## 13 0.0000000000 ## 14 0.0000000000 ## 15 0.0000000000 ## 15 0.0000000000 ## 15 0.0000000000 ## 16 0.0000000000 ## 17 0.0000000000 ## 18 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 20 0.0000000000 ## 20 0.0000000000 ## 21 0.0000000000 ## 22 0.0000000000 ## 25 0.0000000000 ## 25 0.0000000000 ## 25 0.0000000000 ## 25 0.0000000000 ## 25 0.0000000000 ## 28 0.0000000000 ## 28 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 32 0.0000000000 ## 33 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 31 0.0000000000 ## 33 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 37 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 31 0.00000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.00000000000 ## 36 0.0000000000 ## 37 0.00000000000 ## 38 0.00000000000 ## 39 0.0000000000 ## 30 0.0000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 33 0.00000000000 ## 34 0.00000000000 ## 35 0.00000000000 ## 37 0.00000000000 ## 38 0.00000000000 ## 39 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.000000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.000000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.0000000000000000000000000000000000														
## 1 0.0000000000 ## 2 0.0000000000 ## 3 0.0000000000 ## 5 0.0000000000 ## 5 0.0000000000 ## 7 0.0000000000 ## 7 0.0000000000 ## 8 0.0000000000 ## 8 0.0000000000 ## 8 0.0000000000 ## 10 0.0000000000 ## 11 0.0000000000 ## 11 0.0000000000 ## 12 0.0000000000 ## 13 0.0000000000 ## 14 10.0000000000 ## 15 0.0000000000 ## 15 0.0000000000 ## 16 0.0000000000 ## 17 0.0000000000 ## 18 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 10 0.0000000000 ## 10 0.0000000000 ## 12 0.0000000000 ## 21 0.0000000000 ## 22 0.0000000000 ## 22 0.0000000000 ## 24 0.0000000000 ## 25 0.0000000000 ## 26 0.0000000000 ## 27 0.0000000000 ## 28 0.0000000000 ## 29 0.0000000000 ## 29 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 32 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 36 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 32 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 37 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 32 0.00000000000 ## 33 0.0000000000 ## 34 0.00000000000 ## 35 0.00000000000 ## 37 0.00000000000 ## 38 0.00000000000 ## 39 0.0000000000 ## 30 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.0000000000000000000000000000000000		1001	О		О	0	0	0	0	0	1	О	О	
## 2 0.0000000000 ## 3 0.0000000000 ## 5 0.0000000000 ## 5 0.0000000000 ## 6 0.0000000000 ## 7 0.0000000000 ## 8 0.0000000000 ## 8 0.0000000000 ## 10 0.0000000000 ## 11 0.0000000000 ## 11 0.0000000000 ## 12 0.0000000000 ## 13 0.0000000000 ## 14 0.0000000000 ## 15 0.0000000000 ## 16 0.0000000000 ## 17 0.0000000000 ## 17 0.0000000000 ## 18 18 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 20 0.0000000000 ## 21 0.0000000000 ## 22 0.0000000000 ## 23 0.0000000000 ## 24 0.0000000000 ## 25 0.0000000000 ## 26 0.0000000000 ## 27 0.0000000000 ## 28 0.0000000000 ## 29 0.0000000000 ## 29 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 36 0.0000000000 ## 37 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 37 0.0000000000 ## 39 0.0000000000 ## 30 0.0000000000 ## 31 0.0000000000 ## 31 0.0000000000 ## 33 0.0000000000 ## 34 0.0000000000 ## 35 0.0000000000 ## 36 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 30 0.0000000000 ## 30 0.0000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.0000000000000000000000000000000000		4	0 00000											
## 3														
## 4 0.000000000 ## 5 0.0000000000 ## 7 0.0000000000 ## 7 0.0000000000 ## 8 0.0000000000 ## 10 0.0000000000 ## 10 0.0000000000 ## 11 0.0000000000 ## 11 0.0000000000 ## 11 0.0000000000 ## 13 0.0000000000 ## 14 0.0000000000 ## 15 0.0000000000 ## 16 0.0000000000 ## 17 0.0000000000 ## 17 0.0000000000 ## 18 0.0000000000 ## 19 0.0000000000 ## 19 0.0000000000 ## 20 0.0000000000 ## 21 0.0000000000 ## 23 0.0000000000 ## 24 0.0000000000 ## 25 0.0000000000 ## 27 0.0000000000 ## 28 0.0000000000 ## 29 0.0000000000 ## 29 0.0000000000 ## 30 0.0000000000 ## 31 0.0114942529 ## 32 0.0000000000 ## 33 0.0000000000 ## 33 0.0000000000 ## 35 0.0000000000 ## 37 0.0000000000 ## 38 0.0000000000 ## 39 0.0000000000 ## 30 0.0000000000 ## 31 0.0114942529 ## 32 0.0000000000 ## 33 0.0000000000 ## 35 0.0000000000 ## 36 0.0000000000 ## 37 0.00000000000 ## 38 0.00000000000 ## 39 0.00000000000 ## 39 0.00000000000 ## 30 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 33 0.00000000000 ## 34 0.00000000000 ## 35 0.00000000000 ## 37 0.00000000000 ## 39 0.00000000000 ## 39 0.00000000000 ## 30 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 32 0.000000000000 ## 33 0.000000000000 ## 34 0.00000000000 ## 35 0.00000000000 ## 37 0.00000000000 ## 38 0.00000000000 ## 39 0.00000000000 ## 30 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.00000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.000000000000 ## 31 0.0000000000000000000000000000000000														
## 5														
## 6														
## 7														
## 8														
## 19														
## 10														
## 11														
## 12														
## 13														
## 14	##	12	0.00229	988506										
## 15	##	13	0.00000	00000										
## 16	##	14	0.00000	00000										
## 17	##	1 5	0.00000	00000										
## 18	##	16	0.00000	00000										
## 19	##	17	0.00000	00000										
## 19	##	18	0.00000	00000										
## 20														
## 21														
## 22														
## 23														
## 24														
## 25														
## 26														
## 27														
## 28														
## 29														
## 30														
## 31														
## 32														
## 33														
## 34														
## 35														
## 36														
## 37														
## 38														
## 39														
## 40														
## 41														
## 42														
## 43 0.0000000000 ## 44 0.000000000														
## 44 0.000000000														
## 45 0.000000000	##	45	0.00000	00000										

```
## 46
         0.0015325670
## 47
         0.0000000000
## 48
         0.0000000000
## 49
         0.0000000000
## 50
         0.0000000000
## 51
         0.0000000000
## 52
         0.0000000000
   53
##
         0.0000000000
## 54
         0.0000000000
## 55
         0.0000000000
## 56
         0.0000000000
## 57
         0.0015325670
## 58
         0.0007662835
## 59
         0.0000000000
## 60
         0.0000000000
##
  61
         0.0022988506
## 62
         0.0000000000
## 63
         0.0007662835
## 64
         0.0000000000
## 65
         0.0000000000
## 66
         0.0022988506
## 67
         0.0007662835
## 68
         0.0007662835
##
   69
         0.0000000000
##
   70
         0.0000000000
##
   71
         0.0000000000
##
  72
         0.0000000000
  73
##
         0.0000000000
##
  74
         0.0000000000
   75
##
         0.0000000000
##
   76
         0.0000000000
##
  77
         0.0015325670
##
   78
         0.0015325670
##
   79
         0.0000000000
## 80
         0.0000000000
   81
##
         0.0000000000
## 82
         0.0000000000
## 83
         0.0000000000
## 84
         0.0000000000
## 85
         0.0000000000
##
   86
         0.0000000000
## 87
         0.0000000000
## 88
         0.0000000000
## 89
         0.0000000000
## 90
         0.0000000000
## 91
         0.0000000000
## 92
         0.0007662835
## 93
         0.0015325670
## 94
         0.0000000000
## 95
         0.0000000000
```

```
## 96
         0.0000000000
## 97
         0.0007662835
## 98
         0.0000000000
## 99
         0.0000000000
## 100
         0.0007662835
## 101
         0.0000000000
## 102
         0.0022988506
##
   103
         0.0000000000
## 104
         0.0000000000
## 105
         0.0000000000
## 106
         0.0007662835
## 107
         0.0000000000
## 108
         0.0007662835
## 109
         0.0068965517
## 110
         0.0000000000
## 111
         0.0000000000
## 112
         0.0000000000
## 113
         0.0000000000
## 114
         0.0000000000
## 115
         0.0000000000
## 116
         0.0015325670
## 117
         0.0000000000
## 118
         0.0000000000
## 119
         0.0000000000
## 120
         0.0022988506
## 121
         0.0000000000
## 122
         0.2620689655
## 123
         0.0000000000
## 124
         0.0000000000
## 125
         0.0000000000
## 126
         0.0000000000
## 127
         0.0007662835
## 128
         0.0000000000
## 129
         0.0000000000
## 130
         0.0000000000
## 131
         0.0000000000
## 132
         0.0000000000
## 133
         0.0000000000
## 134
         0.0268199234
## 135
         0.0704980843
## 136
         0.0390804598
## 137
         0.0911877395
## 138
         0.0015325670
## 139
         0.0053639847
## 140
         0.0544061303
## 141
         0.0107279693
## 142
         0.0061302682
         0.0229885057
## 143
##
   144
         0.0015325670
## 145
         0.0022988506
```

```
## 146
         0.0030651341
## 147
         0.0076628352
## 148
         0.0053639847
## 149
         0.3134099617
## 150
         0.0214559387
## 151
         0.2850574713
## 152
         0.0176245211
## 153
         0.0781609195
## 154
         0.0199233716
## 155
         0.3302681992
## 156
         0.0030651341
## 157
         0.0007662835
## 158
         0.0045977011
## 159
         0.1111111111
## 160
         0.0053639847
## 161
         0.0030651341
## 162
         0.0689655172
## 163
         0.5823754789
## 164
         0.0436781609
## 165
         0.3839080460
## 166
         0.0045977011
## 167
         0.0114942529
## 168
         0.0429118774
## 169
         0.0237547893
## 170
         0.4919540230
## 171
         0.0329501916
## 172
         0.2452107280
## 173
         0.0421455939
## 174
         0.0053639847
## 175
         0.0980842912
## 176
         0.1785440613
## 177
         0.0153256705
## 178
         0.0406130268
## 179
         0.0406130268
## 180
         0.2145593870
## 181
         0.1532567050
## 182
         0.0720306513
## 183
         0.0084291188
## 184
         0.1233716475
## 185
         0.044444444
## 186
         0.0022988506
## 187
         0.0061302682
## 188
         0.1432950192
## 189
         0.0007662835
## 190
         0.0030651341
## 191
         0.0130268199
## 192
         0.0015325670
## 193
         0.0000000000
## 194
         0.1578544061
## 195
         0.1325670498
```

```
## 196
         0.0260536398
## 197
         0.1448275862
## 198
         0.0022988506
## 199
         0.0697318008
## 200
         0.0007662835
## 201
         0.0804597701
## 202
         0.0375478927
##
  203
         0.0490421456
## 204
         0.0022988506
## 205
         0.0015325670
## 206
         0.0015325670
## 207
         0.0367816092
## 208
         0.0191570881
         0.0137931034
## 209
## 210
         0.0099616858
## 211
         0.1195402299
## 212
         0.0000000000
## 213
         0.0000000000
## 214
         0.0015325670
## 215
         0.0000000000
## 216
         0.0022988506
## 217
         0.0268199234
## 218
         0.0000000000
## 219
         0.0045977011
## 220
         0.0000000000
## 221
         0.0000000000
## 222
         0.0000000000
## 223
         0.0007662835
## 224
         0.0000000000
## 225
         0.0206896552
## 226
         0.0000000000
## 227
         0.0061302682
## 228
         0.0007662835
## 229
         0.0015325670
## 230
         0.0030651341
## 231
         0.0160919540
## 232
         0.0007662835
## 233
         0.0000000000
## 234
         0.0000000000
## 235
         0.0007662835
## 236
         0.0000000000
## 237
         0.0015325670
## 238
         0.0000000000
## 239
         0.0000000000
## 240
         0.0000000000
## 241
         0.0091954023
## 242
         0.0022988506
## 243
         0.0068965517
##
   244
         0.0000000000
## 245
         0.0000000000
```

```
## 246
         0.0000000000
## 247
         0.0030651341
## 248
         0.0061302682
## 249
         0.0015325670
## 250
         0.0015325670
## 251
         0.0000000000
## 252
         0.0007662835
## 253
         0.0000000000
## 254
         0.0000000000
## 255
         0.0000000000
## 256
         0.0000000000
## 257
         0.0022988506
## 258
         0.0007662835
## 259
         0.0000000000
## 260
         0.0000000000
## 261
         0.0000000000
## 262
         0.0000000000
## 263
         0.0015325670
## 264
         0.0337164751
## 265
         0.0000000000
## 266
         0.0000000000
## 267
         0.0000000000
## 268
         0.0176245211
##
  269
         0.0007662835
## 270
         0.0000000000
## 271
         0.0000000000
## 272
         0.0007662835
## 273
         0.0007662835
## 274
         0.0107279693
## 275
         0.0015325670
## 276
         0.0007662835
## 277
         0.0000000000
## 278
         0.0000000000
## 279
         0.0651340996
##
  280
         0.0007662835
## 281
         0.0000000000
## 282
         0.0000000000
## 283
         0.0000000000
## 284
         0.1333333333
## 285
         0.1708812261
##
  286
         0.0015325670
## 287
         0.0000000000
## 288
         0.0000000000
## 289
         0.0015325670
## 290
         0.0000000000
## 291
         0.0000000000
## 292
         0.0137931034
## 293
         0.0850574713
##
  294
         0.0000000000
## 295
         0.0015325670
```

```
## 296
         0.2911877395
## 297
         0.0061302682
## 298
         0.0022988506
## 299
         0.0000000000
## 300
         0.1938697318
## 301
         0.0000000000
## 302
         0.0030651341
##
   303
         0.0030651341
## 304
         0.0038314176
## 305
         0.0000000000
## 306
         0.0000000000
## 307
         0.0015325670
##
   308
         0.0000000000
## 309
         0.0000000000
## 310
         0.0061302682
## 311
         0.0000000000
## 312
         0.0007662835
## 313
         0.0000000000
## 314
         0.0000000000
## 315
         0.0000000000
## 316
         0.0022988506
## 317
         0.0030651341
## 318
         0.0000000000
##
  319
         0.0007662835
## 320
         0.0819923372
## 321
         0.2911877395
## 322
         0.0000000000
## 323
         0.0000000000
## 324
         0.0000000000
## 325
         0.0160919540
## 326
         0.0000000000
## 327
         0.5793103448
##
  328
         0.0015325670
## 329
         0.0000000000
## 330
         0.0015325670
## 331
         0.0015325670
## 332
         0.0298850575
## 333
         0.0000000000
## 334
         0.0000000000
## 335
         0.0068965517
## 336
         0.2475095785
## 337
         0.0030651341
## 338
         0.0000000000
## 339
         0.0007662835
## 340
         0.0000000000
## 341
         0.0000000000
## 342
         0.0000000000
## 343
         0.0000000000
##
   344
         0.0000000000
## 345
         0.0000000000
```

```
## 346
         0.0000000000
## 347
         0.0000000000
## 348
         0.0030651341
## 349
         0.2130268199
## 350
         0.0160919540
## 351
         0.0122605364
## 352
         0.0022988506
##
  353
         0.0000000000
## 354
         0.0145593870
## 355
         0.0000000000
## 356
         0.0030651341
## 357
         0.0735632184
## 358
         0.0038314176
## 359
         0.0015325670
## 360
         0.0490421456
## 361
         0.0030651341
## 362
         0.0038314176
## 363
         0.0436781609
## 364
         0.0076628352
## 365
         0.0030651341
## 366
         0.0130268199
## 367
         0.0068965517
## 368
         0.0007662835
##
  369
         0.0022988506
## 370
         0.0053639847
##
  371
         0.0505747126
## 372
         0.0000000000
## 373
         0.0000000000
## 374
         0.0053639847
## 375
         0.0076628352
## 376
         0.0015325670
## 377
         0.0030651341
##
  378
         0.0007662835
## 379
         0.0229885057
##
   380
         0.0045977011
## 381
         0.0007662835
## 382
         0.0022988506
## 383
         0.0061302682
## 384
         0.0030651341
##
  385
         0.0007662835
##
  386
         0.0000000000
##
   387
         0.0015325670
## 388
         0.0015325670
## 389
         0.0000000000
## 390
         0.0000000000
## 391
         0.0015325670
## 392
         0.0038314176
## 393
         0.0015325670
## 394
         0.0000000000
## 395
         0.0015325670
```

```
## 396
         0.0099616858
## 397
         0.0367816092
## 398
         0.0107279693
## 399
         0.0076628352
## 400
         0.0153256705
## 401
         0.0015325670
## 402
         0.0068965517
##
  403
         0.0429118774
## 404
         0.0022988506
## 405
         0.0053639847
## 406
         0.0022988506
## 407
         0.0030651341
## 408
         0.0076628352
## 409
         0.0306513410
## 410
         0.0007662835
## 411
         0.0030651341
## 412
         0.0000000000
## 413
         0.0030651341
## 414
         0.0007662835
## 415
         0.0268199234
## 416
         0.0022988506
## 417
         0.0053639847
## 418
         0.0015325670
## 419
         0.0015325670
## 420
         0.0344827586
## 421
         0.0022988506
## 422
         0.0000000000
## 423
         0.0122605364
## 424
         0.0000000000
## 425
         0.0007662835
## 426
         0.0007662835
## 427
         0.0130268199
## 428
         0.0000000000
## 429
         0.0007662835
## 430
         0.0000000000
## 431
         0.0000000000
## 432
         0.0000000000
## 433
         0.0000000000
## 434
         0.0000000000
## 435
         0.0000000000
## 436
         0.0605363985
## 437
         0.0022988506
## 438
         0.0007662835
## 439
         0.0030651341
## 440
         0.0007662835
## 441
         0.0038314176
## 442
         0.0000000000
## 443
         0.0038314176
##
  444
         0.0030651341
## 445
         0.0000000000
```

```
## 446
         0.0137931034
## 447
         0.0030651341
## 448
         0.0061302682
## 449
         0.0015325670
## 450
         0.0015325670
## 451
         0.0160919540
## 452
         0.0030651341
## 453
         0.0007662835
## 454
         0.0015325670
## 455
         0.0000000000
## 456
         0.0168582375
## 457
         0.0007662835
         0.0038314176
## 458
## 459
         0.0045977011
## 460
         0.0176245211
## 461
         0.0022988506
## 462
         0.0137931034
## 463
         0.0191570881
## 464
         0.0084291188
## 465
         0.0076628352
## 466
         0.0000000000
## 467
         0.0045977011
## 468
         0.0053639847
## 469
         0.0275862069
## 470
         0.0406130268
## 471
         0.0176245211
## 472
         0.0045977011
## 473
         0.0122605364
## 474
         0.0053639847
## 475
         0.0038314176
## 476
         0.0076628352
## 477
         0.0168582375
## 478
         0.0168582375
## 479
         0.0007662835
## 480
         0.0091954023
## 481
         0.0000000000
## 482
         0.0015325670
## 483
         0.0398467433
## 484
         0.0007662835
## 485
         0.0214559387
## 486
         0.0183908046
## 487
         0.0467432950
## 488
         0.0145593870
## 489
         0.0022988506
## 490
         0.0229885057
## 491
         0.0421455939
## 492
         0.0367816092
## 493
         0.1478927203
## 494
         0.0007662835
## 495
         0.0038314176
```

```
## 496
         0.0107279693
## 497
         0.0275862069
## 498
         0.0099616858
         0.044444444
## 499
## 500
         0.0160919540
## 501
         0.0260536398
## 502
         0.0015325670
## 503
         0.0712643678
## 504
         0.0015325670
## 505
         0.0022988506
## 506
         0.0061302682
## 507
         0.0015325670
## 508
         0.0076628352
## 509
         0.0000000000
## 510
         0.0000000000
## 511
         0.0704980843
## 512
         0.0513409962
## 513
         0.0176245211
## 514
         0.0176245211
## 515
         0.0000000000
## 516
         0.0107279693
## 517
         0.0107279693
## 518
         0.0122605364
## 519
         0.0000000000
## 520
         0.0022988506
## 521
         0.0000000000
## 522
         0.0482758621
## 523
         0.0038314176
## 524
         0.0107279693
## 525
         0.0015325670
## 526
         0.0053639847
## 527
         0.1448275862
## 528
         0.0191570881
## 529
         0.0567049808
## 530
         0.0022988506
## 531
         0.0015325670
## 532
         0.0022988506
## 533
         0.0038314176
## 534
         0.0068965517
## 535
         0.0268199234
         0.0007662835
## 536
## 537
         0.0007662835
## 538
         0.0000000000
## 539
         0.0015325670
## 540
         0.0007662835
## 541
         0.0007662835
## 542
         0.0291187739
## 543
         0.0022988506
## 544
         0.0022988506
## 545
         0.0068965517
```

```
## 546
         0.0030651341
## 547
         0.0007662835
## 548
         0.0015325670
## 549
         0.0038314176
## 550
         0.0091954023
## 551
         0.0076628352
## 552
         0.0015325670
## 553
         0.0030651341
## 554
         0.0750957854
## 555
         0.0130268199
## 556
         0.0191570881
## 557
         0.0000000000
## 558
         0.0007662835
## 559
         0.0007662835
## 560
         0.0007662835
## 561
         0.0007662835
## 562
         0.0099616858
## 563
         0.0000000000
## 564
         0.0000000000
## 565
         0.0153256705
## 566
         0.0015325670
## 567
         0.0007662835
## 568
         0.0000000000
## 569
         0.0068965517
## 570
         0.0000000000
## 571
         0.0030651341
## 572
         0.0145593870
## 573
         0.0038314176
## 574
         0.0045977011
## 575
         0.0000000000
## 576
         0.0000000000
## 577
         0.0015325670
## 578
         0.0007662835
## 579
         0.0007662835
## 580
         0.0015325670
## 581
         0.0000000000
## 582
         0.0000000000
## 583
         0.0000000000
## 584
         0.0812260536
## 585
         0.0015325670
## 586
         0.0007662835
## 587
         0.0007662835
## 588
         0.0007662835
## 589
         0.0015325670
## 590
         0.0000000000
## 591
         0.0000000000
## 592
         0.0000000000
         0.0022988506
## 593
## 594
         0.0000000000
## 595
         0.0007662835
```

```
## 596
         0.0053639847
## 597
         0.0007662835
## 598
         0.0000000000
## 599
         0.0000000000
## 600
         0.0176245211
## 601
         0.0099616858
## 602
         0.0000000000
##
   603
         0.0076628352
## 604
         0.0000000000
## 605
         0.0000000000
## 606
         0.1065134100
## 607
         0.0000000000
## 608
         0.0068965517
## 609
         0.0000000000
## 610
         0.0015325670
## 611
         0.0000000000
## 612
         0.0030651341
## 613
         0.0000000000
## 614
         0.0022988506
## 615
         0.0000000000
## 616
         0.0597701149
## 617
         0.0015325670
## 618
         0.0000000000
## 619
         0.0000000000
## 620
         0.0000000000
## 621
         0.0000000000
## 622
         0.0000000000
## 623
         0.0000000000
## 624
         0.0000000000
## 625
         0.0000000000
## 626
         0.0000000000
## 627
         0.0007662835
## 628
         0.0007662835
## 629
         0.0000000000
## 630
         0.0000000000
## 631
         0.0000000000
## 632
         0.0000000000
## 633
         0.0007662835
## 634
         0.0000000000
## 635
         0.0000000000
## 636
         0.0000000000
## 637
         0.0000000000
## 638
         0.0022988506
## 639
         0.0000000000
## 640
         0.0007662835
## 641
         0.0000000000
## 642
         0.0107279693
## 643
         0.0000000000
##
   644
         0.0000000000
## 645
         0.0000000000
```

```
## 646
         0.0007662835
## 647
         0.0000000000
## 648
         0.0015325670
## 649
         0.0007662835
## 650
         0.0007662835
## 651
         0.0000000000
## 652
         0.0000000000
## 653
         0.0000000000
## 654
         0.0061302682
## 655
         0.0000000000
## 656
         0.0015325670
## 657
         0.0007662835
## 658
         0.0000000000
## 659
         0.0000000000
## 660
         0.0030651341
## 661
         0.0015325670
## 662
         0.0000000000
## 663
         0.0000000000
## 664
         0.0000000000
## 665
         0.0000000000
## 666
         0.0000000000
## 667
         0.0000000000
## 668
         0.0000000000
## 669
         0.0000000000
## 670
         0.0000000000
## 671
         0.0000000000
## 672
         0.0000000000
## 673
         0.0130268199
## 674
         0.0199233716
## 675
         0.0229885057
## 676
         0.0099616858
## 677
         0.0053639847
## 678
         0.1295019157
## 679
         0.0000000000
## 680
         0.0000000000
## 681
         0.000000000
## 682
         0.0000000000
## 683
         0.0000000000
## 684
         0.0000000000
## 685
         0.0038314176
## 686
         0.0000000000
## 687
         0.0000000000
         0.0000000000
## 688
## 689
         0.0000000000
## 690
         0.0000000000
## 691
         0.0000000000
## 692
         0.0000000000
## 693
         0.0000000000
## 694
         0.0000000000
## 695
         0.0000000000
```

```
## 696
         0.0000000000
## 697
         0.0000000000
## 698
         0.0007662835
## 699
         0.0000000000
## 700
         0.0000000000
## 701
         0.0000000000
##
  702
         0.0000000000
##
   703
         0.0007662835
## 704
         0.0000000000
## 705
         0.0000000000
## 706
         0.0000000000
  707
##
         0.0000000000
##
  708
         0.0000000000
## 709
         0.0000000000
## 710
         0.0000000000
## 711
         0.0000000000
## 712
         0.0000000000
## 713
         0.0000000000
## 714
         0.0000000000
## 715
         0.0000000000
## 716
         0.0000000000
## 717
         0.0000000000
## 718
         0.0000000000
##
  719
         0.0000000000
## 720
         0.0000000000
## 721
         0.0000000000
## 722
         0.0000000000
## 723
         0.0000000000
## 724
         0.0000000000
## 725
         0.0000000000
##
  726
         0.0000000000
## 727
         0.0000000000
##
  728
         0.0000000000
## 729
         0.0000000000
##
  730
         0.0000000000
## 731
         0.0000000000
## 732
         0.0000000000
## 733
         0.0000000000
## 734
         0.0000000000
##
  735
         0.0000000000
##
  736
         0.0000000000
## 737
         0.0000000000
## 738
         0.0000000000
## 739
         0.0000000000
## 740
         0.0000000000
## 741
         0.0000000000
## 742
         0.0000000000
## 743
         0.0000000000
##
   744
         0.0015325670
## 745
         0.0000000000
```

```
## 746
         0.0007662835
## 747
         0.0000000000
## 748
         0.0000000000
## 749
         0.0000000000
## 750
         0.0000000000
## 751
         0.0000000000
##
  752
         0.0030651341
##
  753
         0.0000000000
## 754
         0.0000000000
## 755
         0.0000000000
## 756
         0.0000000000
## 757
         0.0000000000
##
  758
         0.0000000000
## 759
         0.0000000000
## 760
         0.0000000000
## 761
         0.0000000000
## 762
         0.0000000000
## 763
         0.0000000000
## 764
         0.0061302682
## 765
         0.0114942529
## 766
         0.0199233716
## 767
         0.0076628352
## 768
         0.022222222
##
  769
         0.0107279693
## 770
         0.0068965517
## 771
         0.0153256705
## 772
         0.0176245211
## 773
         0.0712643678
## 774
         0.0620689655
## 775
         0.0421455939
##
  776
         0.0137931034
## 777
         0.0007662835
##
  778
         0.1333333333
## 779
         0.0321839080
## 780
         0.0145593870
## 781
         0.0000000000
## 782
         0.0061302682
## 783
         0.0275862069
## 784
         0.0191570881
##
  785
         0.0873563218
## 786
         0.0000000000
## 787
         0.0000000000
## 788
         0.0015325670
## 789
         0.0007662835
## 790
         0.0007662835
## 791
         0.0206896552
## 792
         0.0122605364
## 793
         0.0007662835
##
  794
         0.0038314176
## 795
         0.0045977011
```

```
## 796
         0.0076628352
## 797
         0.0160919540
## 798
         0.0038314176
## 799
         0.0107279693
## 800
         0.0061302682
## 801
         0.0000000000
## 802
         0.0000000000
##
  803
         0.0000000000
## 804
         0.0000000000
## 805
         0.0000000000
## 806
         0.0000000000
## 807
         0.0122605364
## 808
         0.0000000000
## 809
         0.0045977011
## 810
         0.0061302682
## 811
         0.0053639847
## 812
         0.0000000000
## 813
         0.0000000000
## 814
         0.0544061303
## 815
         0.0038314176
## 816
         0.0000000000
## 817
         0.0030651341
## 818
         0.0007662835
## 819
         0.0076628352
## 820
         0.0000000000
## 821
         0.0061302682
## 822
         0.0000000000
## 823
         0.0000000000
## 824
         0.0000000000
## 825
         0.0000000000
## 826
         0.0022988506
## 827
         0.0038314176
## 828
         0.0007662835
## 829
         0.0000000000
## 830
         0.0000000000
## 831
         0.0022988506
## 832
         0.0000000000
## 833
         0.0053639847
## 834
         0.0015325670
## 835
         0.0283524904
## 836
         0.0084291188
## 837
         0.0076628352
## 838
         0.0283524904
## 839
         0.0015325670
## 840
         0.0000000000
## 841
         0.0061302682
## 842
         0.0007662835
## 843
         0.0007662835
##
  844
         0.0038314176
## 845
         0.0000000000
```

```
## 846
         0.0214559387
## 847
         0.0007662835
## 848
         0.3003831418
## 849
         0.0015325670
## 850
         0.0061302682
## 851
         0.0107279693
## 852
         0.0812260536
## 853
         0.0000000000
## 854
         0.0000000000
## 855
         0.0000000000
## 856
         0.0000000000
## 857
         0.0000000000
## 858
         0.0000000000
## 859
         0.0000000000
## 860
         0.0000000000
## 861
         0.0000000000
## 862
         0.0000000000
## 863
         0.0000000000
## 864
         0.0000000000
## 865
         0.0000000000
## 866
         0.0015325670
## 867
         0.0007662835
## 868
         0.0000000000
## 869
         0.0000000000
## 870
         0.0000000000
## 871
         0.0015325670
## 872
         0.0015325670
## 873
         0.0000000000
## 874
         0.0000000000
## 875
         0.0000000000
## 876
         0.0000000000
## 877
         0.0000000000
## 878
         0.0000000000
## 879
         0.0000000000
## 880
         0.0000000000
## 881
         0.0000000000
## 882
         0.0000000000
## 883
         0.0000000000
## 884
         0.0000000000
## 885
         0.0000000000
## 886
         0.0000000000
## 887
         0.0000000000
## 888
         0.0000000000
## 889
         0.0000000000
## 890
         0.0000000000
## 891
         0.0000000000
## 892
         0.0000000000
## 893
         0.0000000000
##
  894
         0.0000000000
## 895
         0.0000000000
```

```
## 896
         0.0000000000
## 897
         0.0007662835
## 898
         0.0000000000
## 899
         0.0000000000
## 900
         0.0000000000
## 901
         0.0000000000
## 902
         0.0000000000
##
   903
         0.0007662835
## 904
         0.0000000000
## 905
         0.0000000000
## 906
         0.0000000000
## 907
         0.0000000000
##
   908
         0.0000000000
## 909
         0.0000000000
## 910
         0.0000000000
## 911
         0.0000000000
## 912
         0.0000000000
## 913
         0.0000000000
## 914
         0.0000000000
## 915
         0.0015325670
## 916
         0.0000000000
## 917
         0.0000000000
## 918
         0.0000000000
## 919
         0.0000000000
## 920
         0.0000000000
## 921
         0.0000000000
## 922
         0.0000000000
## 923
         0.0000000000
## 924
         0.0000000000
## 925
         0.0000000000
## 926
         0.0000000000
## 927
         0.0000000000
## 928
         0.0000000000
## 929
         0.0000000000
## 930
         0.0000000000
## 931
         0.0000000000
## 932
         0.0000000000
## 933
         0.0000000000
## 934
         0.0000000000
## 935
         0.0000000000
## 936
         0.0000000000
## 937
         0.0000000000
## 938
         0.0000000000
## 939
         0.0000000000
## 940
         0.0000000000
## 941
         0.0000000000
## 942
         0.0000000000
## 943
         0.0000000000
##
   944
         0.0000000000
## 945
         0.0000000000
```

```
## 946
         0.0000000000
## 947
         0.0000000000
## 948
         0.0000000000
## 949
         0.0000000000
## 950
         0.0000000000
## 951
         0.0000000000
## 952
         0.0000000000
## 953
         0.0000000000
## 954
         0.0015325670
## 955
         0.0000000000
## 956
         0.0000000000
## 957
         0.0000000000
## 958
         0.0000000000
## 959
         0.0000000000
## 960
         0.0000000000
## 961
         0.0000000000
## 962
         0.0000000000
## 963
         0.0000000000
## 964
         0.0000000000
## 965
         0.0000000000
## 966
         0.0000000000
## 967
         0.0000000000
## 968
         0.0007662835
## 969
         0.0000000000
## 970
         0.0000000000
## 971
         0.0000000000
## 972
         0.0000000000
## 973
         0.0000000000
## 974
         0.0000000000
## 975
         0.0000000000
## 976
         0.0000000000
## 977
         0.0000000000
## 978
         0.0000000000
## 979
         0.0000000000
## 980
         0.0000000000
## 981
         0.0007662835
## 982
         0.0000000000
## 983
         0.0000000000
## 984
         0.0000000000
## 985
         0.0000000000
## 986
         0.0191570881
## 987
         0.0030651341
## 988
         0.0053639847
## 989
         0.0000000000
## 990
         0.0107279693
## 991
         0.0030651341
## 992
         0.0137931034
## 993
         0.0030651341
## 994
         0.0084291188
## 995
         0.0145593870
```

```
## 996
         0.0022988506
## 997
         0.0076628352
## 998
         0.0214559387
## 999
         0.0459770115
## 1000
         0.0160919540
## 1001
         0.0429118774
## 1002
         0.0084291188
## 1003
         0.0122605364
## 1004
         0.0091954023
## 1005
         0.0206896552
## 1006
         0.0007662835
## 1007
         0.0413793103
## 1008
         0.0007662835
## 1009
         0.0045977011
## 1010
         0.0030651341
## 1011
         0.0053639847
## 1012
         0.0045977011
## 1013
         0.0007662835
## 1014
         0.0068965517
## 1015
         0.0007662835
## 1016
         0.0000000000
## 1017
         0.0007662835
## 1018
         0.0007662835
## 1019
         0.0022988506
## 1020
         0.0099616858
## 1021
         0.0107279693
## 1022
         0.0781609195
## 1023
         0.0459770115
## 1024
         0.022222222
## 1025
         0.0329501916
## 1026
         0.0291187739
## 1027
         0.0030651341
## 1028
         0.0275862069
## 1029
         0.0467432950
## 1030
         0.0045977011
## 1031
         0.0038314176
## 1032
         0.0007662835
## 1033
         0.022222222
## 1034
         0.0153256705
## 1035
         0.0053639847
## 1036
         0.0022988506
## 1037
         0.0061302682
## 1038
         0.0045977011
## 1039
         0.0329501916
## 1040
         0.0053639847
## 1041
         0.0268199234
## 1042
         0.0160919540
## 1043
         0.0030651341
## 1044
         0.0045977011
## 1045
        0.0015325670
```

```
## 1046
         0.0015325670
## 1047
         0.0942528736
## 1048
         0.0360153257
## 1049
         0.0007662835
## 1050
         0.0007662835
## 1051
         0.0038314176
## 1052
         0.0206896552
## 1053
         0.0015325670
## 1054
         0.0053639847
## 1055
         0.0000000000
## 1056
         0.0053639847
## 1057
         0.0099616858
## 1058
         0.0015325670
## 1059
         0.0130268199
## 1060
         0.0084291188
## 1061
         0.0015325670
## 1062
         0.0000000000
## 1063
         0.0007662835
## 1064
         0.0107279693
## 1065
         0.0153256705
## 1066
         0.0206896552
## 1067
         0.0107279693
## 1068
         0.0168582375
## 1069
         0.0015325670
## 1070
         0.0229885057
## 1071
         0.0030651341
## 1072
         0.0022988506
## 1073
         0.0015325670
## 1074
         0.0000000000
## 1075
         0.0145593870
## 1076
         0.0436781609
## 1077
         0.0360153257
## 1078
         0.0084291188
## 1079
         0.0007662835
## 1080
         0.0084291188
## 1081
         0.0091954023
## 1082
         0.0053639847
## 1083
         0.0007662835
## 1084
         0.0015325670
## 1085
         0.0015325670
         0.0137931034
## 1086
## 1087
         0.0038314176
## 1088
         0.0007662835
## 1089
         0.0000000000
## 1090
         0.0053639847
## 1091
         0.0160919540
## 1092
         0.0007662835
## 1093
         0.0283524904
## 1094
         0.0022988506
## 1095
         0.0122605364
```

```
## 1096
         0.0038314176
## 1097
         0.0000000000
## 1098
         0.0007662835
## 1099
         0.0022988506
## 1100
         0.0022988506
## 1101
         0.0245210728
## 1102
         0.0137931034
## 1103
         0.0061302682
## 1104
         0.0000000000
## 1105
         0.0000000000
## 1106
         0.0000000000
## 1107
         0.0030651341
## 1108
         0.0000000000
## 1109
         0.0015325670
## 1110
         0.0000000000
## 1111
         0.0000000000
## 1112
         0.0000000000
## 1113
         0.0000000000
## 1114
         0.0000000000
## 1115
         0.0000000000
## 1116
         0.0000000000
## 1117
         0.0000000000
## 1118
         0.0007662835
## 1119
         0.0068965517
## 1120
         0.0000000000
## 1121
         0.0000000000
## 1122
         0.0000000000
## 1123
         0.0000000000
## 1124
         0.0000000000
## 1125
         0.0022988506
## 1126
         0.0000000000
## 1127
         0.0000000000
## 1128
         0.0000000000
## 1129
         0.0053639847
## 1130
         0.0000000000
## 1131
         0.0007662835
## 1132
         0.0000000000
## 1133
         0.0000000000
## 1134
         0.0007662835
## 1135
         0.0000000000
## 1136
         0.0007662835
## 1137
         0.0007662835
## 1138
         0.0000000000
## 1139
         0.0000000000
## 1140
         0.0000000000
## 1141
         0.0007662835
## 1142
         0.0000000000
## 1143
         0.0000000000
##
  1144
         0.0000000000
## 1145
         0.0000000000
```

```
## 1146
         0.0000000000
## 1147
         0.0007662835
## 1148
         0.0007662835
## 1149
         0.0000000000
## 1150
         0.0000000000
## 1151
         0.0007662835
## 1152
         0.0275862069
## 1153
         0.0015325670
## 1154
         0.0007662835
## 1155
         0.0000000000
## 1156
         0.0000000000
## 1157
         0.0007662835
## 1158
         0.0007662835
## 1159
         0.0022988506
## 1160
         0.0000000000
## 1161
         0.0000000000
## 1162
         0.0007662835
## 1163
         0.0000000000
## 1164
         0.0000000000
## 1165
         0.0000000000
## 1166
         0.0015325670
## 1167
         0.0007662835
## 1168
         0.0000000000
## 1169
         0.0000000000
## 1170
         0.0000000000
## 1171
         0.0000000000
## 1172
         0.0000000000
## 1173
         0.0000000000
## 1174
         0.0007662835
## 1175
         0.0000000000
## 1176
         0.0007662835
## 1177
         0.0007662835
## 1178
         0.0000000000
## 1179
         0.0000000000
## 1180
         0.0000000000
## 1181
         0.0000000000
## 1182
         0.0007662835
## 1183
         0.0000000000
## 1184
         0.0038314176
## 1185
         0.0007662835
         0.0000000000
## 1186
## 1187
         0.0007662835
## 1188
         0.0000000000
## 1189
         0.0000000000
## 1190
         0.0168582375
## 1191
         0.0000000000
## 1192
         0.0068965517
## 1193
         0.0000000000
## 1194
         0.0007662835
## 1195
         0.0000000000
```

```
## 1196
         0.0000000000
## 1197
         0.0000000000
## 1198
         0.0000000000
## 1199
         0.0183908046
## 1200
         0.0000000000
## 1201
         0.0038314176
## 1202
         0.0000000000
## 1203
         0.0000000000
## 1204
         0.0007662835
## 1205
         0.0000000000
## 1206
         0.0000000000
## 1207
         0.0000000000
## 1208
         0.0000000000
## 1209
         0.0000000000
## 1210
         0.0000000000
## 1211
         0.0030651341
## 1212
         0.0000000000
## 1213
         0.0000000000
## 1214
         0.0000000000
## 1215
         0.0000000000
## 1216
         0.0000000000
## 1217
         0.0000000000
## 1218
         0.0000000000
## 1219
         0.0000000000
## 1220
         0.0000000000
## 1221
         0.0000000000
## 1222
         0.0000000000
## 1223
         0.0000000000
## 1224
         0.0007662835
## 1225
         0.0000000000
## 1226
         0.0007662835
## 1227
         0.0015325670
## 1228
         0.0007662835
## 1229
         0.0000000000
## 1230
         0.0000000000
## 1231
         0.0030651341
## 1232
         0.0000000000
## 1233
         0.0007662835
## 1234
         0.0000000000
## 1235
         0.0000000000
         0.0000000000
## 1236
## 1237
         0.0000000000
## 1238
         0.0007662835
## 1239
         0.0000000000
## 1240
         0.0084291188
## 1241
         0.0007662835
## 1242
         0.0000000000
## 1243
         0.0000000000
##
  1244
         0.0000000000
## 1245
         0.0000000000
```

```
## 1246
         0.0061302682
## 1247
         0.0000000000
## 1248
         0.0007662835
## 1249
         0.0000000000
## 1250
         0.0137931034
## 1251
         0.0000000000
## 1252
         0.0000000000
## 1253
         0.0000000000
## 1254
         0.0000000000
## 1255
         0.0000000000
## 1256
         0.0107279693
## 1257
         0.0000000000
## 1258
         0.0007662835
## 1259
         0.0000000000
## 1260
         0.0000000000
## 1261
         0.0000000000
## 1262
         0.0000000000
## 1263
         0.0000000000
## 1264
         0.0007662835
## 1265
         0.0038314176
## 1266
         0.0038314176
## 1267
         0.0007662835
## 1268
         0.0000000000
## 1269
         0.0000000000
## 1270
         0.0045977011
## 1271
         0.0000000000
## 1272
         0.0000000000
## 1273
         0.0000000000
## 1274
         0.0000000000
## 1275
         0.0000000000
## 1276
         0.0000000000
## 1277
         0.0000000000
## 1278
         0.0000000000
## 1279
         0.0000000000
## 1280
         0.0000000000
## 1281
         0.0000000000
## 1282
         0.0000000000
## 1283
         0.0007662835
## 1284
         0.0000000000
## 1285
         0.0000000000
## 1286
         0.0000000000
## 1287
         0.0007662835
## 1288
         0.0000000000
## 1289
         0.0007662835
## 1290
         0.0000000000
## 1291
         0.0000000000
## 1292
         0.0007662835
## 1293
         0.0160919540
##
  1294
         0.0881226054
## 1295
         0.0007662835
```

```
## 1296
         0.0030651341
## 1297
         0.0268199234
## 1298
         0.0429118774
## 1299
         0.0030651341
## 1300
         0.022222222
## 1301
         0.0015325670
## 1302
         0.0022988506
## 1303
         0.0015325670
## 1304
         0.0000000000
## 1305
         0.0045977011
## 1306
         0.0053639847
## 1307
         0.0053639847
## 1308
         0.0015325670
## 1309
         0.0000000000
## 1310
         0.0183908046
## 1311
         0.0000000000
## 1312
         0.0076628352
## 1313
         0.0214559387
## 1314
         0.0022988506
## 1315
         0.0252873563
## 1316
         0.1042145594
## 1317
         0.0015325670
## 1318
         0.0022988506
## 1319
         0.0038314176
## 1320
         0.0015325670
## 1321
         0.0114942529
## 1322
         0.0015325670
## 1323
         0.0000000000
## 1324
         0.0030651341
## 1325
         0.0206896552
## 1326
         0.0000000000
## 1327
         0.0000000000
## 1328
         0.0000000000
## 1329
         0.0022988506
## 1330
         0.0022988506
## 1331
         0.0007662835
## 1332
         0.0022988506
## 1333
         0.0038314176
## 1334
         0.0000000000
## 1335
         0.0091954023
## 1336
         0.0000000000
## 1337
         0.0007662835
## 1338
         0.0000000000
## 1339
         0.0000000000
## 1340
         0.0015325670
## 1341
         0.0651340996
## 1342
         0.0107279693
## 1343
         0.0000000000
## 1344
         0.0000000000
## 1345
         0.0000000000
```

```
## 1346
         0.0007662835
## 1347
         0.0000000000
## 1348
         0.0252873563
## 1349
         0.0000000000
## 1350
         0.0000000000
## 1351
         0.0000000000
## 1352
         0.0015325670
## 1353
         0.0000000000
## 1354
         0.0000000000
## 1355
         0.0053639847
## 1356
         0.0030651341
## 1357
         0.0000000000
## 1358
         0.0000000000
## 1359
         0.0000000000
## 1360
         0.0000000000
## 1361
         0.0000000000
## 1362
         0.0000000000
## 1363
         0.0000000000
## 1364
         0.0000000000
## 1365
         0.0000000000
## 1366
         0.0000000000
## 1367
         0.0000000000
## 1368
         0.0000000000
## 1369
         0.0000000000
## 1370
         0.0000000000
## 1371
         0.0000000000
## 1372
         0.0022988506
## 1373
         0.0482758621
## 1374
         0.088888889
## 1375
         0.0199233716
## 1376
         0.0574712644
## 1377
         0.0436781609
## 1378
         0.0000000000
## 1379
         0.0000000000
## 1380
         0.0000000000
## 1381
         0.0007662835
## 1382
         0.0000000000
## 1383
         0.0000000000
## 1384
         0.0000000000
## 1385
         0.0007662835
## 1386
         0.0007662835
## 1387
         0.0000000000
## 1388
         0.0000000000
## 1389
         0.0000000000
## 1390
         0.0000000000
## 1391
         0.0000000000
## 1392
         0.0007662835
## 1393
         0.0000000000
## 1394
         0.0000000000
## 1395
         0.0000000000
```

```
## 1396
         0.0000000000
         0.0007662835
## 1397
## 1398
         0.0000000000
## 1399
         0.0000000000
## 1400
         0.0000000000
## 1401
         0.0000000000
## 1402
         0.0030651341
## 1403
         0.0000000000
## 1404
         0.0000000000
## 1405
         0.0000000000
## 1406
         0.0000000000
## 1407
         0.0000000000
## 1408
         0.0000000000
## 1409
         0.0000000000
## 1410
         0.0007662835
## 1411
         0.0000000000
## 1412
         0.0000000000
## 1413
         0.0000000000
## 1414
         0.0000000000
## 1415
         0.0000000000
## 1416
         0.0000000000
## 1417
         0.0000000000
## 1418
         0.0000000000
## 1419
         0.0000000000
## 1420
         0.0000000000
## 1421
         0.0000000000
## 1422
         0.0000000000
## 1423
         0.0000000000
## 1424
         0.0000000000
## 1425
         0.0000000000
## 1426
         0.0000000000
## 1427
         0.0000000000
## 1428
         0.0000000000
## 1429
         0.0000000000
## 1430
         0.0007662835
## 1431
         0.0000000000
## 1432
         0.0000000000
## 1433
         0.0842911877
## 1434
         0.0007662835
## 1435
         0.1233716475
## 1436
         0.0337164751
## 1437
         0.0659003831
## 1438
         0.0191570881
## 1439
         0.0068965517
## 1440
         0.0022988506
## 1441
         0.0015325670
## 1442
         0.0467432950
## 1443
         0.0015325670
##
   1444
         0.0268199234
## 1445
         0.0283524904
```

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

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

```
## 1546
         0.0000000000
         0.0015325670
## 1547
## 1548
         0.0007662835
## 1549
         0.0015325670
## 1550
         0.0007662835
## 1551
         0.0068965517
## 1552
         0.0045977011
## 1553
         0.0000000000
## 1554
         0.0022988506
## 1555
         0.0114942529
## 1556
         0.0812260536
## 1557
         0.0758620690
## 1558
         0.0000000000
## 1559
         0.0068965517
## 1560
         0.1517241379
## 1561
         0.0153256705
## 1562
         0.0030651341
## 1563
         0.0007662835
## 1564
         0.0260536398
## 1565
         0.0015325670
## 1566
         0.0076628352
## 1567
         0.0130268199
## 1568
         0.0091954023
## 1569
         0.0053639847
## 1570
         0.0084291188
## 1571
         0.0038314176
## 1572
         0.0068965517
## 1573
         0.0000000000
## 1574
         0.0022988506
## 1575
         0.0015325670
## 1576
         0.0000000000
## 1577
         0.0061302682
## 1578
         0.0712643678
## 1579
         0.0000000000
## 1580
         0.0436781609
## 1581
         0.0022988506
## 1582
         0.0030651341
## 1583
         0.0007662835
## 1584
         0.0007662835
## 1585
         0.0000000000
## 1586
         0.0007662835
## 1587
         0.0000000000
## 1588
         0.0022988506
## 1589
         0.0022988506
## 1590
         0.0153256705
## 1591
         0.0000000000
## 1592
         0.0000000000
## 1593
         0.0007662835
## 1594
         0.0000000000
## 1595
        0.0099616858
```

```
## 1596
         0.0000000000
## 1597
         0.0000000000
## 1598
         0.0022988506
## 1599
         0.0000000000
## 1600
         0.0007662835
## 1601
         0.0000000000
## 1602
         0.0045977011
## 1603
         0.0000000000
## 1604
         0.0000000000
## 1605
         0.0015325670
## 1606
         0.0000000000
## 1607
         0.0007662835
## 1608
         0.0015325670
## 1609
         0.0000000000
## 1610
         0.0007662835
## 1611
         0.0000000000
## 1612
         0.0015325670
## 1613
         0.0000000000
## 1614
         0.0000000000
## 1615
         0.0015325670
## 1616
         0.0000000000
## 1617
         0.0000000000
## 1618
         0.0015325670
## 1619
         0.0007662835
## 1620
         0.0015325670
## 1621
         0.0000000000
## 1622
         0.0000000000
## 1623
         0.0000000000
## 1624
         0.0007662835
## 1625
         0.0000000000
## 1626
         0.0038314176
## 1627
         0.0199233716
## 1628
         0.0000000000
## 1629
         0.0022988506
## 1630
         0.0000000000
## 1631
         0.0015325670
## 1632
         0.0030651341
## 1633
         0.0000000000
## 1634
         0.0000000000
## 1635
         0.0068965517
## 1636
         0.0030651341
## 1637
         0.0000000000
## 1638
         0.0000000000
## 1639
         0.0000000000
## 1640
         0.0000000000
## 1641
         0.0000000000
## 1642
         0.0000000000
## 1643
         0.0000000000
##
   1644
         0.0000000000
## 1645
         0.0000000000
```

```
## 1646
         0.0000000000
## 1647
         0.0000000000
## 1648
         0.0000000000
## 1649
         0.0000000000
## 1650
         0.0000000000
## 1651
         0.0000000000
## 1652
         0.0000000000
## 1653
         0.0000000000
## 1654
         0.0000000000
## 1655
         0.0000000000
## 1656
         0.0000000000
## 1657
         0.0000000000
## 1658
         0.0000000000
## 1659
         0.0000000000
## 1660
         0.0000000000
## 1661
         0.0000000000
## 1662
         0.0000000000
## 1663
         0.0000000000
## 1664
         0.0000000000
## 1665
         0.0000000000
## 1666
         0.0000000000
## 1667
         0.0000000000
## 1668
         0.0000000000
## 1669
         0.0000000000
## 1670
         0.0000000000
## 1671
         0.0000000000
## 1672
         0.0000000000
## 1673
         0.0000000000
## 1674
         0.0022988506
## 1675
         0.0000000000
## 1676
         0.0000000000
## 1677
         0.0000000000
## 1678
         0.0000000000
## 1679
         0.0000000000
## 1680
         0.0000000000
## 1681
         0.0000000000
## 1682
         0.0007662835
## 1683
         0.0000000000
## 1684
         0.0000000000
## 1685
         0.0000000000
## 1686
         0.0000000000
## 1687
         0.0000000000
## 1688
         0.0000000000
## 1689
         0.0000000000
## 1690
         0.0000000000
## 1691
         0.0000000000
## 1692
         0.0000000000
## 1693
         0.0007662835
##
   1694
         0.0000000000
## 1695
         0.0000000000
```

```
## 1696
         0.0000000000
## 1697
         0.0000000000
## 1698
         0.0000000000
## 1699
         0.0000000000
## 1700
         0.0000000000
## 1701
         0.0000000000
## 1702
         0.0000000000
## 1703
         0.0000000000
## 1704
         0.0007662835
## 1705
         0.0007662835
## 1706
         0.0000000000
## 1707
         0.0000000000
## 1708
         0.0000000000
## 1709
         0.0000000000
## 1710
         0.0000000000
## 1711
         0.0000000000
## 1712
         0.0000000000
## 1713
         0.0000000000
## 1714
         0.0000000000
## 1715
         0.0000000000
## 1716
         0.0000000000
## 1717
         0.0000000000
## 1718
         0.0000000000
## 1719
         0.0000000000
## 1720
         0.0000000000
## 1721
         0.0000000000
## 1722
         0.0000000000
## 1723
         0.0000000000
## 1724
         0.0000000000
## 1725
         0.0000000000
## 1726
         0.0000000000
## 1727
         0.0000000000
## 1728
         0.0000000000
## 1729
         0.0000000000
## 1730
         0.0000000000
## 1731
         0.0000000000
## 1732
         0.0000000000
## 1733
         0.0000000000
## 1734
         0.0000000000
## 1735
         0.0000000000
## 1736
         0.0000000000
## 1737
         0.0000000000
## 1738
         0.0000000000
## 1739
         0.0000000000
## 1740
         0.0007662835
## 1741
         0.0000000000
## 1742
         0.0000000000
## 1743
         0.0000000000
## 1744
         0.0000000000
## 1745
         0.0000000000
```

```
## 1746
         0.0007662835
## 1747
         0.0007662835
## 1748
         0.0000000000
## 1749
         0.0045977011
## 1750
         0.0000000000
## 1751
         0.0000000000
## 1752
         0.0000000000
## 1753
         0.0007662835
## 1754
         0.0000000000
## 1755
         0.0000000000
## 1756
         0.0000000000
## 1757
         0.0000000000
## 1758
         0.0000000000
## 1759
         0.0000000000
## 1760
         0.0007662835
## 1761
         0.0000000000
## 1762
         0.0000000000
## 1763
         0.0000000000
## 1764
         0.0000000000
## 1765
         0.0000000000
## 1766
         0.0000000000
## 1767
         0.0000000000
## 1768
         0.0007662835
## 1769
         0.0000000000
## 1770
         0.0000000000
## 1771
         0.0000000000
## 1772
         0.0000000000
## 1773
         0.0000000000
## 1774
         0.0000000000
## 1775
         0.0000000000
## 1776
         0.0007662835
## 1777
         0.0000000000
## 1778
         0.0000000000
## 1779
         0.0000000000
## 1780
         0.0000000000
## 1781
         0.0000000000
## 1782
         0.0000000000
## 1783
         0.0000000000
## 1784
         0.0000000000
## 1785
         0.0000000000
## 1786
         0.0000000000
## 1787
         0.0000000000
## 1788
         0.0000000000
## 1789
         0.0000000000
## 1790
         0.0000000000
## 1791
         0.0000000000
## 1792
         0.0007662835
## 1793
         0.0000000000
## 1794
         0.0000000000
## 1795
         0.0000000000
```

```
## 1796
         0.0007662835
## 1797
         0.0000000000
## 1798
         0.0000000000
## 1799
         0.0000000000
## 1800
         0.0000000000
## 1801
         0.0015325670
## 1802
         0.0000000000
## 1803
         0.0000000000
## 1804
         0.0000000000
## 1805
         0.0000000000
## 1806
         0.0000000000
## 1807
         0.0007662835
## 1808
         0.0000000000
## 1809
         0.0000000000
## 1810
         0.0000000000
## 1811
         0.0000000000
## 1812
         0.0000000000
## 1813
         0.0030651341
## 1814
         0.0000000000
## 1815
         0.0007662835
## 1816
         0.0000000000
## 1817
         0.0007662835
## 1818
         0.0038314176
## 1819
         0.0000000000
## 1820
         0.0000000000
## 1821
         0.0007662835
## 1822
         0.0000000000
## 1823
         0.0000000000
## 1824
         0.0015325670
## 1825
         0.0015325670
## 1826
         0.0000000000
## 1827
         0.0007662835
## 1828
         0.0000000000
## 1829
         0.0114942529
## 1830
         0.0000000000
## 1831
         0.0007662835
## 1832
         0.0000000000
## 1833
         0.0000000000
## 1834
         0.0000000000
## 1835
         0.0000000000
## 1836
         0.0000000000
## 1837
         0.0000000000
## 1838
         0.0000000000
## 1839
         0.0000000000
## 1840
         0.0030651341
## 1841
         0.0000000000
## 1842
         0.0000000000
## 1843
         0.0000000000
##
   1844
         0.0000000000
## 1845
         0.0000000000
```

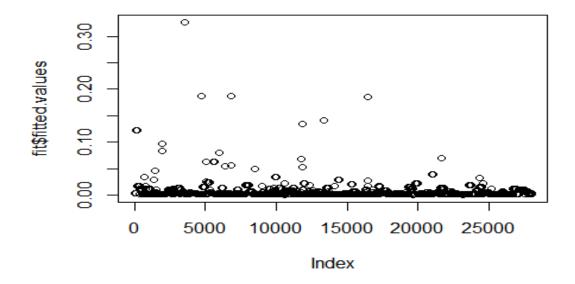
```
## 1846 0.0000000000
## 1847 0.0000000000
## 1848 0.0000000000
## 1849 0.0000000000
## 1850 0.0000000000
## 1851 0.0000000000
## [ reached getOption("max.print") -- omitted 39097 rows ]
names(Features norm)
                              "X0"
##
  [1] "X634995"
                                   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

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

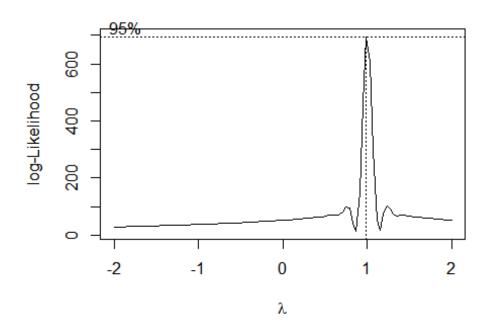
```
## X0
                          0.6445
                                     0.7299
                                              0.883
                                                      0.37721
## X463
                                     8.4336
                                               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

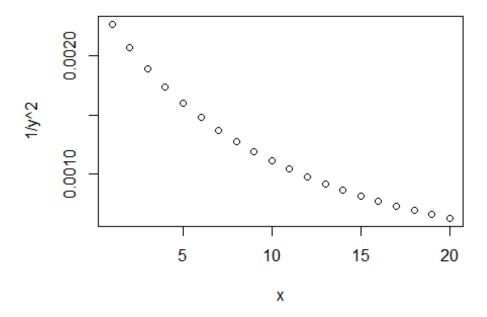
```
summary(fit)
## Call:
## glm(formula = X0.19 \sim X634995 + X0 + X463 + X1 + X0.0 + X806.0 +
##
       X11.291044776119403 + X1.0 + X70.49513846124168 + X0.0.1 +
##
       X806.0.1 + X7.574626865671642 + X0.0.2 + X69.435826365571 +
##
       X0.0.3 + X76.0 + X2.6044776119402986 + X0.0.4 + X8.50550186882253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

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



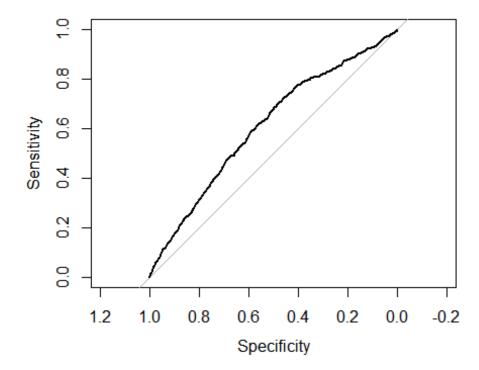
x <- 1:20
y <- 21:40
library(MASS)
boxcox(y~x)</pre>





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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

```
## 28140 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28141 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28142 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28143 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28144 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28145 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28146 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28147 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28148 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28149 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28150 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28151 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28152 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28153 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28154 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28155 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28156 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28157 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28158 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28159 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28160 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28161 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28162 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28163 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28164 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28165 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28166 2.141600e-05 0.000000e+00 4.893314e-05 0.21904762 0.0000000000
## 28167 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28168 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28169 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28170 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28171 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28172 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28173 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28174 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28175 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28176 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28177 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28178 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28179 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28180 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28181 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28182 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28183 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28184 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28185 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28186 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28187 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28188 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28189 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
```

```
## 28190 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28191 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28192 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28193 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28194 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28195 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28196 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28197 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28198 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28199 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28200 7.440506e-04 6.975372e-05 8.253609e-03 0.21904762 0.0000000000
## 28201 6.433631e-06 0.000000e+00 4.926155e-07 0.35238095 0.0000000000
## 28202 6.433631e-06 0.000000e+00 4.926155e-07 0.35238095 0.0000000000
## 28203 6.433631e-06 0.000000e+00 4.926155e-07 0.35238095 0.0000000000
## 28204 6.433631e-06 0.000000e+00 4.926155e-07 0.35238095 0.0000000000
## 28205 6.433631e-06 0.000000e+00 4.926155e-07 0.35238095 0.0000000000
## 28206 6.433631e-06 0.000000e+00 4.926155e-07 0.35238095 0.0000000000
## 28207 6.433631e-06 0.000000e+00 4.926155e-07 0.35238095 0.0000000000
## 28208 6.433631e-06 0.000000e+00 4.926155e-07 0.35238095 0.0000000000
## 28209 6.433631e-06 0.000000e+00 4.926155e-07 0.35238095 0.0000000000
## 28210 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28211 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28212 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28213 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28214 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28215 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28216 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28217 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28218 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28219 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28220 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28221 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28222 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28223 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28224 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28225 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28226 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28227 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28228 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28229 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28230 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28231 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28232 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28233 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28234 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28235 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28236 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28237 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28238 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28239 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
```

```
## 28240 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.00000000000
## 28241 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28242 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28243 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.00000000000
## 28244 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28245 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28246 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28247 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28248 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28249 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28250 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28251 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28252 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28253 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28254 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28255 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28256 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28257 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28258 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28259 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28260 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28261 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28262 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28263 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28264 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28265 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28266 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28267 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28268 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28269 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28270 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28271 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28272 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28273 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28274 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28275 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28276 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28277 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28278 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28279 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28280 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28281 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28282 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28283 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28284 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28285 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28286 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28287 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28288 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28289 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
```

```
## 28290 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.00000000000
## 28291 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28292 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28293 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28294 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28295 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28296 8.126746e-05 1.740087e-02 1.004936e-04 0.29523810 0.0000000000
## 28297 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28298 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28299 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28300 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28301 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28302 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28303 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28304 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28305 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28306 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28307 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28308 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28309 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28310 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28311 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28312 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28313 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28314 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28315 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28316 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28317 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28318 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28319 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28320 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28321 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28322 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28323 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28324 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28325 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28326 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28327 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28328 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28329 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28330 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28331 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28332 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28333 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28334 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28335 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28336 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28337 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28338 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28339 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
```

```
## 28340 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28341 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28342 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28343 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28344 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28345 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28346 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28347 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28348 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28349 3.764670e-03 0.000000e+00 3.417110e-04 0.12380952 0.0000000000
## 28350 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28351 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
## 28352 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28353 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28354 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28355 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
## 28356 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28357 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28358 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28359 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28360 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28361 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
  28362 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
## 28363 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28364 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
## 28365 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28366 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28367 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28368 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
## 28369 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28370 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
## 28371 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28372 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
## 28373 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
## 28374 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28375 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28376 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28377 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28378 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.00000000000
## 28379 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28380 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28381 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28382 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28383 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28384 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28385 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28386 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28387 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
  28388 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28389 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
```

```
## 28390 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28391 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28392 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28393 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28394 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28395 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28396 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28397 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
## 28398 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28399 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.00000000000
## 28400 3.787690e-05 0.000000e+00 4.926155e-07 0.066666667 0.0000000000
## 28401 3.787690e-05 0.000000e+00 4.926155e-07 0.06666667 0.0000000000
## 28402 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28403 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28404 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28405 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28406 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28407 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28408 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28409 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28410 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28411 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28412 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28413 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28414 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28415 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28416 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28417 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28418 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28419 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28420 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28421 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28422 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28423 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28424 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28425 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28426 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28427 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28428 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28429 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28430 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28431 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28432 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28433 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28434 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28435 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28436 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28437 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28438 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28439 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
```

```
## 28440 1.004164e-05 0.000000e+00 9.523900e-06 0.63809524 0.0000000000
## 28441 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28442 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28443 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28444 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28445 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28446 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28447 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28448 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28449 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28450 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28451 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28452 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28453 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28454 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28455 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28456 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28457 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28458 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28459 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28460 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28461 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28462 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28463 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28464 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28465 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28466 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28467 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28468 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28469 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28470 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28471 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28472 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28473 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28474 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28475 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28476 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28477 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28478 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28479 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28480 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28481 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28482 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28483 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28484 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28485 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28486 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28487 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28488 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28489 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
```

```
## 28490 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28491 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28492 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28493 8.931478e-03 0.000000e+00 1.008290e-01 0.07619048 0.0051260145
## 28494 4.322139e-02 7.479745e-03 1.073977e-01 0.06666667 0.1072191371
## 28495 4.322139e-02 7.479745e-03 1.073977e-01 0.06666667 0.1072191371
## 28496 4.322139e-02 7.479745e-03 1.073977e-01 0.066666667 0.1072191371
## 28497 4.322139e-02 7.479745e-03 1.073977e-01 0.06666667 0.1072191371
## 28498 4.322139e-02 7.479745e-03 1.073977e-01 0.06666667 0.1072191371
## 28499 4.322139e-02 7.479745e-03 1.073977e-01 0.06666667 0.1072191371
## 28500 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28501 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28502 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28503 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28504 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28505 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28506 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28507 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28508 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28509 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28510 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28511 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28512 3.412864e-03 0.000000e+00 2.222205e-02 0.21904762 0.0085433575
## 28513 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28514 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28515 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28516 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28517 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28518 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28519 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28520 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28521 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28522 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28523 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28524 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28525 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28526 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28527 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28528 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28529 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28530 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28531 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28532 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28533 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28534 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28535 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28536 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28537 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28538 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28539 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
```

```
## 28540 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28541 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28542 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28543 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28544 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28545 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28546 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28547 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28548 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28549 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28550 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28551 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28552 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28553 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28554 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28555 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28556 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28557 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28558 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28559 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28560 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28561 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28562 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28563 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28564 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28565 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28566 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28567 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28568 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28569 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28570 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28571 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28572 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28573 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28574 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28575 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28576 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28577 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28578 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28579 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28580 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28581 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28582 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28583 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28584 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28585 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28586 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28587 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28588 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28589 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
```

```
## 28590 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28591 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28592 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28593 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28594 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28595 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28596 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28597 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28598 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28599 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28600 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28601 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28602 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28603 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28604 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28605 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28606 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28607 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28608 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28609 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28610 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28611 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28612 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28613 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28614 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28615 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28616 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28617 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28618 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28619 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28620 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28621 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28622 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28623 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28624 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28625 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28626 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28627 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28628 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28629 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28630 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28631 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28632 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28633 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28634 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28635 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28636 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28637 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28638 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28639 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
```

```
## 28640 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28641 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28642 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28643 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28644 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28645 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28646 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28647 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28648 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28649 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28650 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28651 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28652 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28653 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28654 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28655 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28656 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28657 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28658 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28659 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28660 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28661 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28662 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28663 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28664 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28665 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28666 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28667 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28668 6.508502e-04 0.000000e+00 1.005018e-02 0.39047619 0.0000000000
## 28669 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28670 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28671 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28672 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28673 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28674 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28675 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28676 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28677 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28678 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28679 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28680 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28681 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28682 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28683 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28684 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28685 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28686 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28687 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28688 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28689 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
```

```
## 28690 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28691 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28692 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28693 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28694 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28695 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28696 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28697 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28698 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28699 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.00000000000
## 28700 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28701 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28702 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28703 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28704 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.00000000000
## 28705 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28706 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28707 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28708 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28709 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28710 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28711 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28712 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28713 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28714 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28715 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28716 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28717 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28718 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28719 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28720 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28721 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28722 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28723 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28724 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.00000000000
## 28725 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28726 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28727 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28728 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28729 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28730 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28731 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28732 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28733 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28734 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28735 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28736 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28737 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28738 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28739 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
```

```
## 28740 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28741 1.732132e-05 7.919730e-03 8.210259e-07 0.27619048 0.0000000000
## 28742 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28743 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28744 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28745 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28746 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28747 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28748 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28749 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28750 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28751 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28752 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28753 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28754 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28755 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28756 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28757 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28758 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28759 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28760 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28761 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28762 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28763 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28764 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28765 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28766 1.342417e-03 0.000000e+00 7.321745e-03 0.21904762 0.0025630073
## 28767 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28768 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28769 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28770 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28771 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28772 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28773 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28774 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28775 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28776 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28777 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28778 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28779 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28780 4.189150e-07 0.000000e+00 1.642052e-07 0.00000000 0.0000000000
## 28781 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28782 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28783 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28784 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28785 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28786 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28787 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28788 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28789 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
```

```
## 28790 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28791 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28792 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28793 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28794 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28795 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28796 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28797 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28798 2.846248e-03 7.511939e-05 2.952409e-04 0.12380952 0.0008543358
## 28799 3.602423e-04 0.000000e+00 8.672332e-03 0.06666667 0.0012815036
## 28800 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28801 3.602423e-04 0.000000e+00 8.672332e-03 0.06666667 0.0012815036
## 28802 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28803 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28804 3.602423e-04 0.000000e+00 8.672332e-03 0.06666667 0.0012815036
## 28805 3.602423e-04 0.000000e+00 8.672332e-03 0.06666667 0.0012815036
## 28806 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28807 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28808 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28809 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28810 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28811 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28812 3.602423e-04 0.000000e+00 8.672332e-03 0.06666667 0.0012815036
## 28813 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28814 3.602423e-04 0.000000e+00 8.672332e-03 0.06666667 0.0012815036
## 28815 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28816 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28817 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28818 3.602423e-04 0.000000e+00 8.672332e-03 0.06666667 0.0012815036
## 28819 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28820 3.602423e-04 0.000000e+00 8.672332e-03 0.066666667 0.0012815036
## 28821 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
## 28822 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
## 28823 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
## 28824 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
## 28825 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
## 28826 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
## 28827 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
## 28828 3.429842e-03 0.000000e+00 3.105120e-04 0.12380952 0.0051260145
## 28829 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28830 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28831 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28832 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28833 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28834 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28835 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28836 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28837 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28838 3.183288e-03 0.000000e+00 7.128147e-04 0.12380952 0.0081161897
## 28839 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
```

```
## 28840 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28841 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28842 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28843 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28844 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28845 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28846 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28847 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28848 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28849 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28850 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28851 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28852 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28853 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28854 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28855 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28856 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28857 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28858 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28859 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28860 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28861 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28862 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28863 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28864 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28865 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28866 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28867 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28868 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28869 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28870 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28871 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28872 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28873 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28874 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28875 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28876 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28877 3.718898e-06 0.000000e+00 1.067334e-05 0.15238095 0.0000000000
## 28878 1.627382e-04 0.000000e+00 1.642052e-06 0.14285714 0.0000000000
## 28879 1.627382e-04 0.000000e+00 1.642052e-06 0.14285714 0.0000000000
## 28880 1.627382e-04 0.000000e+00 1.642052e-06 0.14285714 0.0000000000
## 28881 1.627382e-04 0.000000e+00 1.642052e-06 0.14285714 0.0000000000
## 28882 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28883 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28884 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28885 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28886 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28887 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28888 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28889 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
```

```
## 28890 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28891 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28892 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28893 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28894 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28895 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28896 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28897 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28898 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28899 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28900 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28901 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28902 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28903 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28904 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28905 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28906 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28907 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28908 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28909 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28910 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28911 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28912 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28913 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28914 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28915 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28916 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28917 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28918 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28919 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28920 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28921 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28922 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28923 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28924 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28925 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28926 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28927 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28928 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28929 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28930 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28931 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28932 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28933 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28934 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28935 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28936 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28937 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28938 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28939 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
```

```
## 28940 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28941 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28942 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28943 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28944 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28945 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28946 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28947 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28948 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28949 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28950 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28951 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28952 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28953 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28954 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28955 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28956 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28957 1.203742e-02 0.000000e+00 4.820243e-03 0.20000000 0.0000000000
## 28958 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28959 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28960 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28961 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28962 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28963 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28964 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28965 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28966 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28967 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28968 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28969 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28970 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28971 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28972 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28973 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28974 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28975 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28976 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28977 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28978 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28979 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28980 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28981 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28982 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28983 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28984 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28985 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28986 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28987 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28988 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28989 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
```

```
## 28990 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28991 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28992 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28993 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28994 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28995 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28996 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28997 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28998 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 28999 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29000 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29001 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29002 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29003 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29004 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29005 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29006 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29007 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29008 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29009 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29010 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29011 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29012 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29013 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29014 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29015 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29016 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29017 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29018 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29019 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29020 2.659063e-04 0.000000e+00 9.375951e-03 0.21904762 0.0008543358
## 29021 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29022 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29023 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29024 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29025 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29026 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29027 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29028 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29029 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29030 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29031 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29032 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29033 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29034 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29035 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29036 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29037 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29038 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29039 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
```

```
## 29040 1.667374e-03 0.000000e+00 1.561066e-02 0.21904762 0.0051260145
## 29041 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29042 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29043 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29044 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29045 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29046 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29047 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29048 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29049 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29050 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29051 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29052 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29053 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29054 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29055 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29056 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29057 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29058 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29059 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29060 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29061 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29062 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29063 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29064 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29065 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29066 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29067 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29068 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29069 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29070 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29071 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29072 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29073 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29074 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29075 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29076 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29077 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29078 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29079 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29080 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29081 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29082 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29083 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29084 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29085 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29086 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29087 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29088 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29089 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
```

```
## 29090 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29091 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29092 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29093 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29094 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29095 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29096 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29097 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29098 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29099 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29100 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29101 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29102 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29103 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29104 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29105 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29106 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29107 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29108 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29109 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29110 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29111 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29112 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29113 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29114 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29115 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29116 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29117 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29118 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29119 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29120 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29121 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29122 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29123 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29124 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29125 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29126 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29127 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29128 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29129 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29130 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29131 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29132 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29133 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29134 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29135 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29136 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29137 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29138 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29139 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
```

```
## 29140 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29141 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29142 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29143 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29144 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29145 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29146 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29147 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29148 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29149 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29150 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29151 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29152 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29153 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29154 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29155 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29156 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29157 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29158 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29159 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29160 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29161 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29162 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29163 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29164 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29165 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29166 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29167 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29168 1.035644e-04 1.166926e-01 4.032879e-04 0.29523810 0.0000000000
## 29169 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29170 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29171 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29172 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29173 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29174 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29175 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29176 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29177 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29178 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29179 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29180 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29181 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29182 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29183 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29184 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29185 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29186 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29187 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29188 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29189 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
```

```
## 29190 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29191 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29192 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29193 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29194 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29195 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29196 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29197 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29198 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29199 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29200 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29201 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29202 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29203 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29204 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29205 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29206 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29207 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29208 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29209 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29210 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29211 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29212 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29213 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29214 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29215 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29216 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29217 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29218 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29219 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29220 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29221 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29222 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29223 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29224 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29225 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29226 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29227 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29228 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29229 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29230 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29231 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29232 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29233 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29234 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29235 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29236 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29237 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29238 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29239 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
```

```
## 29240 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29241 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29242 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29243 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29244 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29245 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29246 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29247 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29248 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29249 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29250 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29251 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29252 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29253 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29254 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29255 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29256 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29257 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29258 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29259 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29260 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29261 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29262 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29263 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29264 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29265 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29266 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29267 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29268 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29269 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29270 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29271 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29272 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29273 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29274 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29275 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29276 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29277 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29278 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29279 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29280 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29281 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29282 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29283 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29284 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29285 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29286 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29287 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29288 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29289 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
```

```
## 29290 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29291 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29292 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29293 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29294 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29295 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29296 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29297 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29298 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29299 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29300 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29301 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29302 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29303 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29304 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29305 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29306 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29307 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29308 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29309 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29310 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29311 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29312 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29313 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29314 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29315 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29316 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29317 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29318 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29319 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29320 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29321 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29322 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29323 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29324 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29325 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29326 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29327 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29328 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29329 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29330 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29331 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29332 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29333 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29334 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29335 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29336 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29337 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29338 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29339 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
```

```
## 29340 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29341 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29342 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29343 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29344 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29345 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29346 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29347 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29348 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29349 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29350 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29351 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29352 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29353 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29354 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29355 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29356 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29357 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29358 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29359 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29360 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29361 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29362 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29363 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29364 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29365 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29366 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29367 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29368 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29369 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29370 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29371 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29372 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29373 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29374 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29375 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29376 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29377 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29378 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29379 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29380 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29381 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29382 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29383 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29384 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29385 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29386 1.175198e-03 0.000000e+00 4.474263e-03 0.21904762 0.0000000000
## 29387 3.899103e-03 0.000000e+00 3.378571e-02 0.16190476 0.0004271679
## 29388 3.899103e-03 0.000000e+00 3.378571e-02 0.16190476 0.0004271679
## 29389 3.899103e-03 0.000000e+00 3.378571e-02 0.16190476 0.0004271679
```

```
## 29390 3.899103e-03 0.000000e+00 3.378571e-02 0.16190476 0.0004271679
## 29391 3.899103e-03 0.000000e+00 3.378571e-02 0.16190476 0.0004271679
## 29392 2.495676e-03 0.000000e+00 9.032763e-03 0.06666667 0.0192225545
## 29393 2.495676e-03 0.000000e+00 9.032763e-03 0.06666667 0.0192225545
## 29394 2.495676e-03 0.000000e+00 9.032763e-03 0.06666667 0.0192225545
## 29395 2.495676e-03 0.000000e+00 9.032763e-03 0.06666667 0.0192225545
## 29396 2.495676e-03 0.000000e+00 9.032763e-03 0.06666667 0.0192225545
## 29397 2.495676e-03 0.000000e+00 9.032763e-03 0.066666667 0.0192225545
## 29398 2.495676e-03 0.000000e+00 9.032763e-03 0.06666667 0.0192225545
## 29399 2.495676e-03 0.000000e+00 9.032763e-03 0.06666667 0.0192225545
## 29400 2.495676e-03 0.000000e+00 9.032763e-03 0.066666667 0.0192225545
## 29401 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29402 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29403 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29404 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29405 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29406 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29407 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29408 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29409 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29410 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29411 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29412 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29413 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29414 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29415 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29416 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29417 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29418 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29419 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29420 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29421 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29422 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29423 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29424 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29425 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29426 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29427 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29428 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29429 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29430 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29431 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29432 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29433 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29434 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29435 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29436 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29437 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29438 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29439 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
```

```
## 29440 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29441 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29442 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29443 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29444 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29445 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29446 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29447 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29448 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29449 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29450 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29451 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29452 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29453 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29454 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.00000000000
## 29455 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29456 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29457 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29458 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29459 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29460 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29461 4.198227e-04 0.000000e+00 6.011552e-04 0.86666667 0.0000000000
## 29462 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29463 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29464 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29465 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29466 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29467 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29468 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29469 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29470 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29471 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29472 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29473 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29474 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29475 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29476 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29477 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29478 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29479 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29480 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29481 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29482 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29483 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29484 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29485 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29486 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29487 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29488 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29489 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
```

```
## 29490 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29491 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29492 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29493 1.040511e-05 0.000000e+00 2.840750e-05 0.21904762 0.0000000000
## 29494 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29495 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29496 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29497 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29498 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29499 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29500 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29501 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29502 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29503 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29504 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29505 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29506 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29507 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29508 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29509 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29510 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29511 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29512 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29513 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29514 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29515 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29516 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29517 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29518 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29519 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29520 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29521 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29522 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29523 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29524 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29525 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29526 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29527 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29528 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29529 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29530 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29531 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29532 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29533 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29534 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29535 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29536 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29537 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.00000000000
## 29538 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29539 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
```

```
## 29540 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29541 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29542 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29543 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29544 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29545 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29546 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29547 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29548 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29549 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29550 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29551 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29552 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29553 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29554 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29555 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29556 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29557 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29558 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29559 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29560 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29561 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29562 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29563 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29564 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29565 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29566 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29567 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29568 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29569 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29570 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29571 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29572 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29573 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29574 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29575 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29576 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29577 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29578 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29579 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29580 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29581 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29582 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29583 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29584 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29585 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29586 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29587 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.00000000000
## 29588 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29589 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
```

```
## 29590 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29591 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29592 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29593 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29594 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29595 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29596 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29597 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29598 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29599 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29600 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29601 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29602 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29603 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29604 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29605 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29606 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29607 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29608 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29609 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29610 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29611 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29612 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29613 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29614 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29615 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29616 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29617 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29618 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29619 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29620 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29621 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29622 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29623 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29624 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29625 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29626 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29627 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29628 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29629 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29630 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29631 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29632 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29633 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29634 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29635 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29636 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29637 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.00000000000
## 29638 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29639 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
```

```
## 29640 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29641 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29642 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29643 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29644 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29645 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29646 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29647 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29648 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29649 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29650 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29651 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29652 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29653 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29654 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29655 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29656 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29657 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29658 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29659 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29660 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29661 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29662 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29663 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29664 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29665 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29666 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29667 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29668 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29669 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29670 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29671 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29672 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29673 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29674 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29675 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29676 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29677 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29678 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29679 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29680 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29681 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29682 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29683 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29684 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29685 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29686 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29687 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29688 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29689 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
```

```
## 29690 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.00000000000
## 29691 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29692 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29693 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29694 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29695 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29696 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29697 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29698 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29699 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29700 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29701 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29702 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29703 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29704 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29705 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29706 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29707 1.009041e-02 3.219402e-04 2.608038e-02 0.07619048 0.0000000000
## 29708 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29709 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29710 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29711 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29712 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29713 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29714 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29715 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29716 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29717 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29718 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29719 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29720 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29721 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29722 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29723 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29724 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29725 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29726 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29727 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29728 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29729 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29730 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29731 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29732 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29733 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29734 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29735 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29736 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29737 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29738 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29739 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
```

```
## 29740 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29741 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29742 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29743 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29744 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29745 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29746 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29747 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29748 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29749 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29750 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29751 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29752 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29753 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29754 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29755 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29756 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29757 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29758 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29759 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29760 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29761 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29762 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29763 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29764 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29765 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29766 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29767 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29768 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29769 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29770 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29771 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29772 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29773 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29774 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29775 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29776 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29777 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29778 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29779 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29780 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29781 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29782 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29783 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29784 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29785 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29786 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
## 29787 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
  29788 1.777105e-03 0.000000e+00 3.812680e-03 0.21904762 0.0000000000
              X806.0 X11.291044776119403 X1.0 X70.49513846124168
```

```
## 28004 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28005 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28006 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
                              1.151913e-02 0.0068346860
## 28007 0.0952584366
                                                               0.0515747148
## 28008 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28009 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28010 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28011 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
                              1.151913e-02 0.0068346860
## 28012 0.0952584366
                                                               0.0515747148
## 28013 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28014 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28015 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28016 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28017 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28018 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28019 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28020 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28021 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28022 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28023 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28024 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28025 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28026 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28027 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28028 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28029 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28030 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28031 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28032 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28033 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28034 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28035 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28036 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28037 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28038 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28039 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28040 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28041 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28042 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
                              1.151913e-02 0.0068346860
## 28043 0.0952584366
                                                               0.0515747148
## 28044 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28045 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28046 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28047 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28048 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28049 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28050 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28051 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28052 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28053 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
```

```
## 28054 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
                                                               0.0515747148
## 28055 0.0952584366
                              1.151913e-02 0.0068346860
## 28056 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
                              1.151913e-02 0.0068346860
## 28057 0.0952584366
                                                               0.0515747148
## 28058 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28059 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28060 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28061 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
                              1.151913e-02 0.0068346860
## 28062 0.0952584366
                                                               0.0515747148
## 28063 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28064 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28065 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28066 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28067 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28068 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28069 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28070 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28071 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28072 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28073 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28074 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28075 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
                              1.151913e-02 0.0068346860
## 28076 0.0952584366
                                                               0.0515747148
## 28077 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28078 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28079 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28080 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28081 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28082 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28083 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
                              1.151913e-02 0.0068346860
## 28084 0.0952584366
                                                               0.0515747148
## 28085 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28086 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28087 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28088 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28089 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28090 0.0952584366
                              1.151913e-02 0.0068346860
                                                               0.0515747148
## 28091 0.0064075182
                              8.258579e-04 0.0000000000
                                                               0.0050454673
## 28092 0.0064075182
                              8.258579e-04 0.00000000000
                                                               0.0050454673
## 28093 0.0064075182
                              8.258579e-04 0.00000000000
                                                               0.0050454673
## 28094 0.0064075182
                              8.258579e-04 0.00000000000
                                                               0.0050454673
## 28095 0.0064075182
                              8.258579e-04 0.00000000000
                                                               0.0050454673
## 28096 0.0064075182
                              8.258579e-04 0.0000000000
                                                               0.0050454673
## 28097 0.0064075182
                              8.258579e-04 0.0000000000
                                                               0.0050454673
## 28098 0.0064075182
                              8.258579e-04 0.00000000000
                                                               0.0050454673
## 28099 0.0064075182
                              8.258579e-04 0.00000000000
                                                               0.0050454673
## 28100 0.0064075182
                              8.258579e-04 0.00000000000
                                                               0.0050454673
                              8.258579e-04 0.00000000000
## 28101 0.0064075182
                                                               0.0050454673
## 28102 0.0064075182
                              8.258579e-04 0.00000000000
                                                               0.0050454673
## 28103 0.0064075182
                              8.258579e-04 0.0000000000
                                                               0.0050454673
```

```
## 28104 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28105 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28106 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28107 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28108 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28109 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28110 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28111 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28112 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28113 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28114 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28115 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28116 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28117 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28118 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28119 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28120 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28121 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28122 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28123 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28124 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28125 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28126 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28127 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28128 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28129 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28130 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28131 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28132 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28133 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28134 0.0064075182
                              8.258579e-04 0.0000000000
                                                                0.0050454673
## 28135 0.0064075182
                              8.258579e-04 0.00000000000
                                                                0.0050454673
## 28136 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28137 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28138 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28139 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28140 0.0038445109
                              6.200824e-04 0.0000000000
                                                                0.0029841763
## 28141 0.0038445109
                              6.200824e-04 0.0000000000
                                                                0.0029841763
                              6.200824e-04 0.00000000000
## 28142 0.0038445109
                                                                0.0029841763
## 28143 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28144 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28145 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
                                                                0.0029841763
## 28146 0.0038445109
                              6.200824e-04 0.00000000000
## 28147 0.0038445109
                              6.200824e-04 0.0000000000
                                                                0.0029841763
## 28148 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28149 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28150 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28151 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28152 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
## 28153 0.0038445109
                              6.200824e-04 0.00000000000
                                                                0.0029841763
```

```
## 28154 0.0038445109
                              6.200824e-04 0.00000000000
                                                               0.0029841763
## 28155 0.0038445109
                              6.200824e-04 0.00000000000
                                                               0.0029841763
## 28156 0.0038445109
                              6.200824e-04 0.0000000000
                                                               0.0029841763
## 28157 0.0038445109
                              6.200824e-04 0.00000000000
                                                               0.0029841763
## 28158 0.0038445109
                              6.200824e-04 0.0000000000
                                                               0.0029841763
## 28159 0.0038445109
                              6.200824e-04 0.00000000000
                                                               0.0029841763
## 28160 0.0038445109
                              6.200824e-04 0.00000000000
                                                               0.0029841763
## 28161 0.0038445109
                              6.200824e-04 0.00000000000
                                                               0.0029841763
## 28162 0.0038445109
                              6.200824e-04 0.0000000000
                                                               0.0029841763
## 28163 0.0038445109
                              6.200824e-04 0.00000000000
                                                               0.0029841763
## 28164 0.0038445109
                              6.200824e-04 0.0000000000
                                                               0.0029841763
## 28165 0.0038445109
                              6.200824e-04 0.00000000000
                                                               0.0029841763
## 28166 0.0038445109
                              6.200824e-04 0.00000000000
                                                               0.0029841763
## 28167 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28168 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28169 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28170 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28171 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28172 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28173 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28174 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28175 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28176 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28177 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28178 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28179 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
                              4.651104e-02 0.0346005980
## 28180 0.1777018368
                                                               0.1384922265
## 28181 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
                              4.651104e-02 0.0346005980
## 28182 0.1777018368
                                                               0.1384922265
## 28183 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
                              4.651104e-02 0.0346005980
## 28184 0.1777018368
                                                               0.1384922265
## 28185 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28186 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28187 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28188 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28189 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28190 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28191 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
                              4.651104e-02 0.0346005980
## 28192 0.1777018368
                                                               0.1384922265
                              4.651104e-02 0.0346005980
## 28193 0.1777018368
                                                               0.1384922265
## 28194 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28195 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
                                                               0.1384922265
## 28196 0.1777018368
                              4.651104e-02 0.0346005980
## 28197 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28198 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28199 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
## 28200 0.1777018368
                              4.651104e-02 0.0346005980
                                                               0.1384922265
                              5.695572e-04 0.0004271679
## 28201 0.0017086715
                                                               0.0021376587
## 28202 0.0017086715
                              5.695572e-04 0.0004271679
                                                               0.0021376587
## 28203 0.0017086715
                              5.695572e-04 0.0004271679
                                                               0.0021376587
```

```
## 28204 0.0017086715
                              5.695572e-04 0.0004271679
                                                               0.0021376587
## 28205 0.0017086715
                              5.695572e-04 0.0004271679
                                                               0.0021376587
## 28206 0.0017086715
                              5.695572e-04 0.0004271679
                                                               0.0021376587
                              5.695572e-04 0.0004271679
## 28207 0.0017086715
                                                               0.0021376587
## 28208 0.0017086715
                              5.695572e-04 0.0004271679
                                                               0.0021376587
## 28209 0.0017086715
                              5.695572e-04 0.0004271679
                                                               0.0021376587
## 28210 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28211 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28212 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28213 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28214 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28215 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28216 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28217 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28218 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28219 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28220 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
                              1.787231e-03 0.0004271679
## 28221 0.0448526271
                                                               0.0179091821
## 28222 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28223 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28224 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28225 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28226 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28227 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28228 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28229 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28230 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28231 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28232 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28233 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
                              1.787231e-03 0.0004271679
## 28234 0.0448526271
                                                               0.0179091821
## 28235 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28236 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28237 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28238 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28239 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28240 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28241 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28242 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
                              1.787231e-03 0.0004271679
## 28243 0.0448526271
                                                               0.0179091821
## 28244 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28245 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28246 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28247 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28248 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28249 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28250 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
                              1.787231e-03 0.0004271679
## 28251 0.0448526271
                                                               0.0179091821
## 28252 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28253 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
```

```
## 28254 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28255 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28256 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
                              1.787231e-03 0.0004271679
## 28257 0.0448526271
                                                               0.0179091821
## 28258 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28259 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28260 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28261 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28262 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28263 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28264 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28265 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28266 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28267 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28268 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28269 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28270 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28271 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28272 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28273 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28274 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28275 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28276 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28277 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28278 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28279 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28280 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28281 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28282 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28283 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
                              1.787231e-03 0.0004271679
## 28284 0.0448526271
                                                               0.0179091821
## 28285 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28286 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28287 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28288 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28289 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28290 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28291 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
                              1.787231e-03 0.0004271679
## 28292 0.0448526271
                                                               0.0179091821
## 28293 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28294 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28295 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28296 0.0448526271
                              1.787231e-03 0.0004271679
                                                               0.0179091821
## 28297 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28298 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
                              1.333086e-02 0.0059803503
## 28299 0.1221700128
                                                               0.0694062651
## 28300 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
                              1.333086e-02 0.0059803503
## 28301 0.1221700128
                                                               0.0694062651
## 28302 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28303 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
```

```
## 28304 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28305 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28306 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28307 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28308 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28309 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28310 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28311 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28312 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28313 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28314 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28315 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28316 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28317 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28318 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28319 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28320 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28321 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28322 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28323 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28324 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
                              1.333086e-02 0.0059803503
## 28325 0.1221700128
                                                               0.0694062651
## 28326 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28327 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28328 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28329 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
                              1.333086e-02 0.0059803503
## 28330 0.1221700128
                                                               0.0694062651
## 28331 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28332 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28333 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28334 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28335 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28336 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28337 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28338 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28339 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28340 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28341 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
                              1.333086e-02 0.0059803503
## 28342 0.1221700128
                                                               0.0694062651
## 28343 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28344 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28345 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28346 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28347 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
## 28348 0.1221700128
                              1.333086e-02 0.0059803503
                                                               0.0694062651
                              1.333086e-02 0.0059803503
## 28349 0.1221700128
                                                               0.0694062651
## 28350 0.0115335327
                              2.201558e-03 0.0012815036
                                                               0.0079061960
## 28351 0.0115335327
                              2.201558e-03 0.0012815036
                                                               0.0079061960
## 28352 0.0115335327
                              2.201558e-03 0.0012815036
                                                               0.0079061960
## 28353 0.0115335327
                              2.201558e-03 0.0012815036
                                                               0.0079061960
```

##	28354 0.	0115335327	2.201558e-03	0.0012815036	0.0079061960
##	28355 0.	0115335327	2.201558e-03	0.0012815036	0.0079061960
##	28356 0.	0115335327	2.201558e-03	0.0012815036	0.0079061960
			2.201558e-03		0.0079061960
##			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		
					0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
##			2.201558e-03		0.0079061960
##			2.201558e-03		0.0079061960
##			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
##	28393 0.	0115335327	2.201558e-03	0.0012815036	0.0079061960
##	28394 0.	0115335327	2.201558e-03	0.0012815036	0.0079061960
##	28395 0.	0115335327	2.201558e-03	0.0012815036	0.0079061960
##	28396 0.		2.201558e-03		0.0079061960
			2.201558e-03		0.0079061960
##	28398 0.	0115335327	2.201558e-03	0.0012815036	0.0079061960
##	28399 0.	0115335327	2.201558e-03	0.0012815036	0.0079061960
##	28400 0.	0115335327	2.201558e-03	0.0012815036	0.0079061960
##	28401 0.	0115335327	2.201558e-03	0.0012815036	0.0079061960
##	28402 0.	0012815036	1.752484e-04	0.0000000000	0.0010598802
##	28403 0.	0012815036	1.752484e-04	0.0000000000	0.0010598802

```
## 28404 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28405 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28406 0.0012815036
                              1.752484e-04 0.0000000000
                                                                0.0010598802
## 28407 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28408 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28409 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28410 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28411 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28412 0.0012815036
                              1.752484e-04 0.0000000000
                                                                0.0010598802
## 28413 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28414 0.0012815036
                              1.752484e-04 0.0000000000
                                                                0.0010598802
## 28415 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28416 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28417 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28418 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28419 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28420 0.0012815036
                              1.752484e-04 0.0000000000
                                                                0.0010598802
## 28421 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28422 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28423 0.0012815036
                              1.752484e-04 0.0000000000
                                                                0.0010598802
## 28424 0.0012815036
                              1.752484e-04 0.0000000000
                                                                0.0010598802
## 28425 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28426 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28427 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28428 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28429 0.0012815036
                              1.752484e-04 0.0000000000
                                                                0.0010598802
                              1.752484e-04 0.0000000000
## 28430 0.0012815036
                                                                0.0010598802
## 28431 0.0012815036
                              1.752484e-04 0.0000000000
                                                                0.0010598802
## 28432 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28433 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28434 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28435 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28436 0.0012815036
                              1.752484e-04 0.0000000000
                                                                0.0010598802
## 28437 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28438 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28439 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28440 0.0012815036
                              1.752484e-04 0.00000000000
                                                                0.0010598802
## 28441 0.4856898761
                              5.229180e-02 0.0243485690
                                                                0.2974847637
                              5.229180e-02 0.0243485690
## 28442 0.4856898761
                                                                0.2974847637
## 28443 0.4856898761
                              5.229180e-02 0.0243485690
                                                                0.2974847637
## 28444 0.4856898761
                              5.229180e-02 0.0243485690
                                                                0.2974847637
## 28445 0.4856898761
                              5.229180e-02 0.0243485690
                                                                0.2974847637
## 28446 0.4856898761
                              5.229180e-02 0.0243485690
                                                                0.2974847637
                              5.229180e-02 0.0243485690
## 28447 0.4856898761
                                                                0.2974847637
## 28448 0.4856898761
                              5.229180e-02 0.0243485690
                                                                0.2974847637
## 28449 0.4856898761
                              5.229180e-02 0.0243485690
                                                                0.2974847637
## 28450 0.4856898761
                              5.229180e-02 0.0243485690
                                                                0.2974847637
                              5.229180e-02 0.0243485690
## 28451 0.4856898761
                                                                0.2974847637
## 28452 0.4856898761
                              5.229180e-02 0.0243485690
                                                                0.2974847637
## 28453 0.4856898761
                              5.229180e-02 0.0243485690
                                                                0.2974847637
```

```
## 28454 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28455 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28456 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
                              5.229180e-02 0.0243485690
## 28457 0.4856898761
                                                               0.2974847637
## 28458 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28459 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28460 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28461 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28462 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28463 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28464 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28465 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28466 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28467 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28468 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28469 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28470 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
                              5.229180e-02 0.0243485690
## 28471 0.4856898761
                                                               0.2974847637
## 28472 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28473 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28474 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28475 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28476 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28477 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28478 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28479 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28480 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28481 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28482 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28483 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28484 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28485 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28486 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28487 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28488 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28489 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28490 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28491 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
## 28492 0.4856898761
                              5.229180e-02 0.0243485690
                                                               0.2974847637
                              5.229180e-02 0.0243485690
## 28493 0.4856898761
                                                               0.2974847637
## 28494 0.8961982059
                              4.918126e-01 0.5623665100
                                                               0.8118081993
## 28495 0.8961982059
                              4.918126e-01 0.5623665100
                                                               0.8118081993
## 28496 0.8961982059
                              4.918126e-01 0.5623665100
                                                               0.8118081993
                              4.918126e-01 0.5623665100
## 28497 0.8961982059
                                                               0.8118081993
## 28498 0.8961982059
                              4.918126e-01 0.5623665100
                                                               0.8118081993
## 28499 0.8961982059
                              4.918126e-01 0.5623665100
                                                               0.8118081993
## 28500 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
## 28501 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
## 28502 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
## 28503 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
```

```
## 28504 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
## 28505 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
## 28506 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
                              2.871882e-02 0.0234942332
## 28507 0.0640751815
                                                               0.0505816205
## 28508 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
## 28509 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
## 28510 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
## 28511 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
## 28512 0.0640751815
                              2.871882e-02 0.0234942332
                                                               0.0505816205
## 28513 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28514 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28515 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28516 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28517 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28518 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28519 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28520 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28521 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28522 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28523 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28524 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28525 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28526 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28527 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28528 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28529 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28530 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28531 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28532 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28533 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28534 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28535 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28536 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28537 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28538 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28539 0.0666381888
                                                               0.0383422006
## 28540 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28541 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28542 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28543 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28544 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28545 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28546 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28547 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28548 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28549 0.0666381888
                                                               0.0383422006
## 28550 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28551 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28552 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28553 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
```

```
## 28554 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28555 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28556 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28557 0.0666381888
                                                               0.0383422006
## 28558 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28559 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28560 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28561 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28562 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28563 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28564 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28565 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28566 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28567 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28568 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28569 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28570 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28571 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28572 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28573 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28574 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28575 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28576 0.0666381888
                                                               0.0383422006
## 28577 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28578 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28579 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28580 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28581 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28582 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28583 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28584 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28585 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28586 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28587 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28588 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28589 0.0666381888
                                                               0.0383422006
## 28590 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28591 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28592 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28593 0.0666381888
                                                               0.0383422006
## 28594 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28595 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28596 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28597 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28598 0.0666381888
                                                               0.0383422006
## 28599 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28600 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28601 0.0666381888
                                                               0.0383422006
## 28602 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28603 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
```

```
## 28604 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28605 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28606 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28607 0.0666381888
                                                               0.0383422006
## 28608 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28609 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28610 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28611 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28612 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28613 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28614 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28615 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28616 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28617 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28618 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28619 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28620 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28621 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28622 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28623 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28624 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28625 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28626 0.0666381888
                                                               0.0383422006
## 28627 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28628 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28629 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28630 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28631 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28632 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28633 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28634 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28635 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28636 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28637 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28638 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28639 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28640 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28641 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28642 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28643 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28644 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28645 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28646 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28647 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28648 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
                              7.502820e-03 0.0034173430
## 28649 0.0666381888
                                                               0.0383422006
## 28650 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28651 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28652 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
## 28653 0.0666381888
                              7.502820e-03 0.0034173430
                                                               0.0383422006
```

```
## 28654 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28655 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28656 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
                              7.502820e-03 0.0034173430
## 28657 0.0666381888
                                                                0.0383422006
## 28658 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28659 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28660 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28661 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28662 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28663 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28664 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28665 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28666 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28667 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28668 0.0666381888
                              7.502820e-03 0.0034173430
                                                                0.0383422006
## 28669 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28670 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28671 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28672 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28673 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28674 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28675 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
                              1.521420e-04 0.0000000000
## 28676 0.0021358394
                                                                0.0012264583
## 28677 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28678 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28679 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28680 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28681 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
                              1.521420e-04 0.00000000000
## 28682 0.0021358394
                                                                0.0012264583
## 28683 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
                              1.521420e-04 0.00000000000
## 28684 0.0021358394
                                                                0.0012264583
## 28685 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28686 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28687 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28688 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28689 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28690 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28691 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
                              1.521420e-04 0.00000000000
## 28692 0.0021358394
                                                                0.0012264583
                              1.521420e-04 0.00000000000
## 28693 0.0021358394
                                                                0.0012264583
## 28694 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28695 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28696 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28697 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28698 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28699 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28700 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
                              1.521420e-04 0.00000000000
## 28701 0.0021358394
                                                                0.0012264583
## 28702 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28703 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
```

```
## 28704 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28705 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28706 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
                              1.521420e-04 0.00000000000
## 28707 0.0021358394
                                                                0.0012264583
## 28708 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28709 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28710 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28711 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
                              1.521420e-04 0.0000000000
## 28712 0.0021358394
                                                                0.0012264583
## 28713 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28714 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28715 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28716 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28717 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28718 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28719 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28720 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28721 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28722 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28723 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28724 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28725 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
                              1.521420e-04 0.0000000000
## 28726 0.0021358394
                                                                0.0012264583
## 28727 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28728 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28729 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28730 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28731 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
                              1.521420e-04 0.0000000000
## 28732 0.0021358394
                                                                0.0012264583
## 28733 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28734 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28735 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28736 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28737 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28738 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28739 0.0021358394
                              1.521420e-04 0.00000000000
                                                                0.0012264583
## 28740 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28741 0.0021358394
                              1.521420e-04 0.0000000000
                                                                0.0012264583
## 28742 0.3447244767
                              7.618966e-02 0.0324647587
                                                                0.2983533291
                              7.618966e-02 0.0324647587
## 28743 0.3447244767
                                                                0.2983533291
## 28744 0.3447244767
                              7.618966e-02 0.0324647587
                                                                0.2983533291
## 28745 0.3447244767
                              7.618966e-02 0.0324647587
                                                                0.2983533291
## 28746 0.3447244767
                              7.618966e-02 0.0324647587
                                                                0.2983533291
## 28747 0.3447244767
                              7.618966e-02 0.0324647587
                                                                0.2983533291
## 28748 0.3447244767
                              7.618966e-02 0.0324647587
                                                                0.2983533291
                              7.618966e-02 0.0324647587
## 28749 0.3447244767
                                                                0.2983533291
## 28750 0.3447244767
                              7.618966e-02 0.0324647587
                                                                0.2983533291
## 28751 0.3447244767
                              7.618966e-02 0.0324647587
                                                                0.2983533291
## 28752 0.3447244767
                              7.618966e-02 0.0324647587
                                                                0.2983533291
## 28753 0.3447244767
                              7.618966e-02 0.0324647587
                                                                0.2983533291
```

```
## 28754 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
## 28755 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
## 28756 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
## 28757 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
## 28758 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
## 28759 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
## 28760 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
## 28761 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
                              7.618966e-02 0.0324647587
## 28762 0.3447244767
                                                               0.2983533291
## 28763 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
## 28764 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
                              7.618966e-02 0.0324647587
## 28765 0.3447244767
                                                               0.2983533291
## 28766 0.3447244767
                              7.618966e-02 0.0324647587
                                                               0.2983533291
## 28767 0.0004271679
                              3.051199e-05 0.0000000000
                                                               0.0003521210
## 28768 0.0004271679
                              3.051199e-05 0.0000000000
                                                               0.0003521210
## 28769 0.0004271679
                              3.051199e-05 0.00000000000
                                                               0.0003521210
## 28770 0.0004271679
                              3.051199e-05 0.0000000000
                                                               0.0003521210
## 28771 0.0004271679
                              3.051199e-05 0.0000000000
                                                               0.0003521210
## 28772 0.0004271679
                              3.051199e-05 0.0000000000
                                                               0.0003521210
## 28773 0.0004271679
                              3.051199e-05 0.0000000000
                                                               0.0003521210
## 28774 0.0004271679
                              3.051199e-05 0.0000000000
                                                               0.0003521210
## 28775 0.0004271679
                              3.051199e-05 0.00000000000
                                                               0.0003521210
## 28776 0.0004271679
                              3.051199e-05 0.0000000000
                                                               0.0003521210
## 28777 0.0004271679
                              3.051199e-05 0.0000000000
                                                               0.0003521210
## 28778 0.0004271679
                              3.051199e-05 0.00000000000
                                                               0.0003521210
## 28779 0.0004271679
                              3.051199e-05 0.0000000000
                                                               0.0003521210
                              3.051199e-05 0.0000000000
## 28780 0.0004271679
                                                               0.0003521210
## 28781 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
                              8.500641e-02 0.0664246049
## 28782 0.3276377616
                                                               0.2730857527
## 28783 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
                              8.500641e-02 0.0664246049
## 28784 0.3276377616
                                                               0.2730857527
## 28785 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
## 28786 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
## 28787 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
                              8.500641e-02 0.0664246049
## 28788 0.3276377616
                                                               0.2730857527
## 28789 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
## 28790 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
## 28791 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
                              8.500641e-02 0.0664246049
## 28792 0.3276377616
                                                               0.2730857527
                              8.500641e-02 0.0664246049
## 28793 0.3276377616
                                                               0.2730857527
## 28794 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
## 28795 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
                                                               0.2730857527
## 28796 0.3276377616
                              8.500641e-02 0.0664246049
## 28797 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
## 28798 0.3276377616
                              8.500641e-02 0.0664246049
                                                               0.2730857527
## 28799 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28800 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
                              6.807503e-02 0.0403673644
## 28801 0.2370781717
                                                               0.2252743653
## 28802 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28803 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
```

```
## 28804 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28805 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28806 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
                              6.807503e-02 0.0403673644
## 28807 0.2370781717
                                                               0.2252743653
## 28808 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28809 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28810 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28811 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28812 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28813 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28814 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
                              6.807503e-02 0.0403673644
## 28815 0.2370781717
                                                               0.2252743653
## 28816 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28817 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28818 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28819 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28820 0.2370781717
                              6.807503e-02 0.0403673644
                                                               0.2252743653
## 28821 0.1042289620
                              3.855190e-02 0.0226398975
                                                               0.1059944811
## 28822 0.1042289620
                              3.855190e-02 0.0226398975
                                                               0.1059944811
## 28823 0.1042289620
                              3.855190e-02 0.0226398975
                                                               0.1059944811
## 28824 0.1042289620
                              3.855190e-02 0.0226398975
                                                               0.1059944811
## 28825 0.1042289620
                              3.855190e-02 0.0226398975
                                                               0.1059944811
                              3.855190e-02 0.0226398975
## 28826 0.1042289620
                                                               0.1059944811
## 28827 0.1042289620
                              3.855190e-02 0.0226398975
                                                               0.1059944811
## 28828 0.1042289620
                              3.855190e-02 0.0226398975
                                                               0.1059944811
## 28829 0.0474156343
                              1.866724e-02 0.0153780436
                                                               0.0347079858
## 28830 0.0474156343
                              1.866724e-02 0.0153780436
                                                               0.0347079858
## 28831 0.0474156343
                              1.866724e-02 0.0153780436
                                                               0.0347079858
## 28832 0.0474156343
                              1.866724e-02 0.0153780436
                                                               0.0347079858
## 28833 0.0474156343
                              1.866724e-02 0.0153780436
                                                               0.0347079858
                              1.866724e-02 0.0153780436
## 28834 0.0474156343
                                                               0.0347079858
## 28835 0.0474156343
                              1.866724e-02 0.0153780436
                                                               0.0347079858
## 28836 0.0474156343
                              1.866724e-02 0.0153780436
                                                               0.0347079858
## 28837 0.0474156343
                              1.866724e-02 0.0153780436
                                                               0.0347079858
## 28838 0.0474156343
                              1.866724e-02 0.0153780436
                                                               0.0347079858
## 28839 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28840 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28841 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28842 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28843 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28844 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28845 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28846 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
                              2.749209e-03 0.0017086715
## 28847 0.0111063648
                                                               0.0086848382
## 28848 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28849 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28850 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28851 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28852 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28853 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
```

```
## 28854 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28855 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28856 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
                              2.749209e-03 0.0017086715
## 28857 0.0111063648
                                                               0.0086848382
## 28858 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28859 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28860 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28861 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28862 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28863 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28864 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28865 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28866 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28867 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28868 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28869 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28870 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28871 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28872 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28873 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28874 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28875 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28876 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28877 0.0111063648
                              2.749209e-03 0.0017086715
                                                               0.0086848382
## 28878 0.0858607433
                              2.990175e-02 0.0168731311
                                                               0.1061316266
## 28879 0.0858607433
                              2.990175e-02 0.0168731311
                                                               0.1061316266
## 28880 0.0858607433
                              2.990175e-02 0.0168731311
                                                               0.1061316266
## 28881 0.0858607433
                              2.990175e-02 0.0168731311
                                                               0.1061316266
## 28882 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28883 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28884 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28885 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28886 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28887 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28888 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28889 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28890 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28891 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28892 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
                              1.569842e-02 0.0010679197
## 28893 0.3122597181
                                                               0.1883009258
## 28894 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28895 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28896 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
                              1.569842e-02 0.0010679197
## 28897 0.3122597181
                                                               0.1883009258
                              1.569842e-02 0.0010679197
## 28898 0.3122597181
                                                               0.1883009258
## 28899 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28900 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28901 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28902 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28903 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
```

```
## 28904 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28905 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28906 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28907 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28908 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28909 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28910 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28911 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
                              1.569842e-02 0.0010679197
## 28912 0.3122597181
                                                               0.1883009258
## 28913 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28914 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
                              1.569842e-02 0.0010679197
## 28915 0.3122597181
                                                               0.1883009258
## 28916 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28917 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28918 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28919 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28920 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28921 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28922 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28923 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28924 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28925 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28926 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28927 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28928 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28929 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28930 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28931 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28932 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28933 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
                              1.569842e-02 0.0010679197
## 28934 0.3122597181
                                                               0.1883009258
## 28935 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28936 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28937 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28938 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28939 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28940 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28941 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28942 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
                              1.569842e-02 0.0010679197
## 28943 0.3122597181
                                                               0.1883009258
## 28944 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28945 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28946 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
                              1.569842e-02 0.0010679197
## 28947 0.3122597181
                                                               0.1883009258
## 28948 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
                              1.569842e-02 0.0010679197
## 28949 0.3122597181
                                                               0.1883009258
## 28950 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
                              1.569842e-02 0.0010679197
## 28951 0.3122597181
                                                               0.1883009258
## 28952 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28953 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
```

```
## 28954 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
                                                               0.1883009258
## 28955 0.3122597181
                              1.569842e-02 0.0010679197
## 28956 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28957 0.3122597181
                              1.569842e-02 0.0010679197
                                                               0.1883009258
## 28958 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28959 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28960 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28961 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28962 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28963 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28964 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
                              2.434179e-02 0.0158052114
## 28965 0.1601879539
                                                               0.0827027679
## 28966 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28967 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28968 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28969 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28970 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28971 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28972 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28973 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28974 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28975 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
                              2.434179e-02 0.0158052114
## 28976 0.1601879539
                                                               0.0827027679
## 28977 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28978 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28979 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28980 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28981 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28982 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28983 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
                              2.434179e-02 0.0158052114
## 28984 0.1601879539
                                                               0.0827027679
## 28985 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28986 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28987 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28988 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28989 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28990 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28991 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
                              2.434179e-02 0.0158052114
## 28992 0.1601879539
                                                               0.0827027679
                              2.434179e-02 0.0158052114
## 28993 0.1601879539
                                                               0.0827027679
## 28994 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28995 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28996 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
                              2.434179e-02 0.0158052114
## 28997 0.1601879539
                                                               0.0827027679
## 28998 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 28999 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29000 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
                              2.434179e-02 0.0158052114
## 29001 0.1601879539
                                                               0.0827027679
## 29002 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29003 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
```

```
## 29004 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29005 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29006 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
                              2.434179e-02 0.0158052114
## 29007 0.1601879539
                                                               0.0827027679
## 29008 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29009 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29010 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29011 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29012 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29013 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29014 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
                              2.434179e-02 0.0158052114
## 29015 0.1601879539
                                                               0.0827027679
## 29016 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29017 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29018 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29019 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29020 0.1601879539
                              2.434179e-02 0.0158052114
                                                               0.0827027679
## 29021 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29022 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29023 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29024 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29025 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
                              8.086288e-02 0.0407945323
## 29026 0.3554036736
                                                               0.2870442945
## 29027 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29028 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29029 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29030 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29031 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29032 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29033 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
                              8.086288e-02 0.0407945323
## 29034 0.3554036736
                                                               0.2870442945
## 29035 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29036 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29037 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29038 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29039 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29040 0.3554036736
                              8.086288e-02 0.0407945323
                                                               0.2870442945
## 29041 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
                              2.486251e-03 0.0010679197
## 29042 0.0200768902
                                                               0.0115097978
                              2.486251e-03 0.0010679197
## 29043 0.0200768902
                                                               0.0115097978
## 29044 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29045 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29046 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29047 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29048 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29049 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29050 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29051 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29052 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29053 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
```

```
## 29054 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29055 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29056 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29057 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29058 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29059 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29060 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29061 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29062 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29063 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29064 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29065 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29066 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29067 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29068 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29069 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29070 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29071 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29072 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29073 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29074 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29075 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29076 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29077 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29078 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29079 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29080 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29081 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29082 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29083 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29084 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29085 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29086 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29087 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29088 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
                              2.486251e-03 0.0010679197
## 29089 0.0200768902
                                                               0.0115097978
## 29090 0.0200768902
                                                               0.0115097978
                              2.486251e-03 0.0010679197
## 29091 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29092 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29093 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29094 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29095 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29096 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29097 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
                              2.486251e-03 0.0010679197
## 29098 0.0200768902
                                                               0.0115097978
                              2.486251e-03 0.0010679197
## 29099 0.0200768902
                                                               0.0115097978
## 29100 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29101 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29102 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29103 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
```

```
## 29104 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29105 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29106 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29107 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29108 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29109 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29110 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29111 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29112 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29113 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29114 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29115 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29116 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29117 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29118 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29119 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29120 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
                              2.486251e-03 0.0010679197
## 29121 0.0200768902
                                                               0.0115097978
## 29122 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29123 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29124 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29125 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29126 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29127 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29128 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29129 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29130 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29131 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29132 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29133 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29134 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29135 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29136 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29137 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29138 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29139 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29140 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29141 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29142 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29143 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29144 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29145 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29146 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29147 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29148 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29149 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29150 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29151 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29152 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29153 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
```

```
## 29154 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29155 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29156 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29157 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29158 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29159 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29160 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29161 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29162 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29163 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29164 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29165 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29166 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29167 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29168 0.0200768902
                              2.486251e-03 0.0010679197
                                                               0.0115097978
## 29169 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29170 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29171 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29172 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29173 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29174 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29175 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29176 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29177 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29178 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29179 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29180 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29181 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29182 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29183 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29184 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29185 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29186 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29187 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29188 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29189 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29190 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29191 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29192 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29193 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29194 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29195 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29196 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29197 0.1542076036
                                                               0.0658819666
## 29198 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29199 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29200 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29201 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29202 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29203 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
```

```
## 29204 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29205 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29206 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                                                               0.0658819666
## 29207 0.1542076036
                              1.398485e-02 0.0076890218
## 29208 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29209 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29210 0.1542076036
                                                               0.0658819666
## 29211 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29212 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29213 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29214 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29215 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29216 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29217 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29218 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29219 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29220 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29221 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29222 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29223 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29224 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29225 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29226 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29227 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29228 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29229 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29230 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29231 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29232 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29233 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29234 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29235 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29236 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29237 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29238 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29239 0.1542076036
                                                               0.0658819666
## 29240 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29241 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29242 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29243 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29244 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29245 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29246 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29247 0.1542076036
                                                               0.0658819666
## 29248 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29249 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29250 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29251 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29252 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29253 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
```

```
## 29254 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29255 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29256 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                                                               0.0658819666
## 29257 0.1542076036
                              1.398485e-02 0.0076890218
## 29258 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29259 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29260 0.1542076036
                                                               0.0658819666
## 29261 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29262 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29263 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29264 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29265 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29266 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29267 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29268 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29269 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29270 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29271 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29272 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29273 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29274 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29275 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29276 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29277 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29278 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29279 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29280 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29281 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29282 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29283 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29284 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29285 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29286 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29287 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29288 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29289 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29290 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29291 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29292 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29293 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29294 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29295 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29296 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29297 0.1542076036
                                                               0.0658819666
## 29298 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29299 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29300 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29301 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29302 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29303 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
```

```
## 29304 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29305 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29306 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                                                               0.0658819666
## 29307 0.1542076036
                              1.398485e-02 0.0076890218
## 29308 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29309 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29310 0.1542076036
                                                               0.0658819666
## 29311 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29312 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29313 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29314 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29315 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29316 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29317 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29318 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29319 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29320 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29321 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29322 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29323 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29324 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29325 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29326 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29327 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29328 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29329 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29330 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29331 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29332 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29333 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29334 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29335 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29336 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29337 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29338 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29339 0.1542076036
                                                               0.0658819666
## 29340 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29341 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29342 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29343 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29344 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29345 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29346 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29347 0.1542076036
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29348 0.1542076036
                                                               0.0658819666
## 29349 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29350 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29351 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29352 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29353 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
```

```
## 29354 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29355 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29356 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29357 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29358 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29359 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
                              1.398485e-02 0.0076890218
## 29360 0.1542076036
                                                               0.0658819666
## 29361 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29362 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29363 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29364 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29365 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29366 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29367 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29368 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29369 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29370 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29371 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29372 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29373 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29374 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29375 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29376 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29377 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29378 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29379 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29380 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29381 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29382 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29383 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29384 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29385 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29386 0.1542076036
                              1.398485e-02 0.0076890218
                                                               0.0658819666
## 29387 0.6616830414
                              2.316959e-01 0.1674498078
                                                               0.7906223683
## 29388 0.6616830414
                              2.316959e-01 0.1674498078
                                                               0.7906223683
                              2.316959e-01 0.1674498078
## 29389 0.6616830414
                                                               0.7906223683
## 29390 0.6616830414
                              2.316959e-01 0.1674498078
                                                               0.7906223683
## 29391 0.6616830414
                              2.316959e-01 0.1674498078
                                                               0.7906223683
## 29392 0.3472874840
                              1.093550e-01 0.0687740282
                                                               0.3056736386
                              1.093550e-01 0.0687740282
## 29393 0.3472874840
                                                               0.3056736386
## 29394 0.3472874840
                              1.093550e-01 0.0687740282
                                                               0.3056736386
## 29395 0.3472874840
                              1.093550e-01 0.0687740282
                                                               0.3056736386
## 29396 0.3472874840
                              1.093550e-01 0.0687740282
                                                               0.3056736386
## 29397 0.3472874840
                              1.093550e-01 0.0687740282
                                                               0.3056736386
## 29398 0.3472874840
                              1.093550e-01 0.0687740282
                                                               0.3056736386
                              1.093550e-01 0.0687740282
## 29399 0.3472874840
                                                               0.3056736386
## 29400 0.3472874840
                              1.093550e-01 0.0687740282
                                                               0.3056736386
## 29401 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29402 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29403 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
```

```
## 29404 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29405 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29406 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29407 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29408 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29409 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29410 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29411 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29412 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29413 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29414 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
                              2.207968e-02 0.0055531824
## 29415 0.1571977787
                                                               0.1081174893
## 29416 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29417 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29418 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29419 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29420 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
                              2.207968e-02 0.0055531824
## 29421 0.1571977787
                                                               0.1081174893
## 29422 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29423 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29424 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29425 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
                              2.207968e-02 0.0055531824
## 29426 0.1571977787
                                                               0.1081174893
## 29427 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29428 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29429 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29430 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29431 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29432 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29433 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
                              2.207968e-02 0.0055531824
## 29434 0.1571977787
                                                               0.1081174893
## 29435 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29436 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29437 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29438 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29439 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29440 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29441 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
                              2.207968e-02 0.0055531824
## 29442 0.1571977787
                                                               0.1081174893
                              2.207968e-02 0.0055531824
## 29443 0.1571977787
                                                               0.1081174893
## 29444 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29445 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29446 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29447 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29448 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29449 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29450 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
                              2.207968e-02 0.0055531824
## 29451 0.1571977787
                                                               0.1081174893
## 29452 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29453 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
```

```
## 29454 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29455 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29456 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29457 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29458 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29459 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29460 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29461 0.1571977787
                              2.207968e-02 0.0055531824
                                                               0.1081174893
## 29462 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29463 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29464 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29465 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29466 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29467 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29468 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29469 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29470 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29471 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29472 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29473 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29474 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29475 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29476 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29477 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29478 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29479 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29480 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29481 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29482 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29483 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29484 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29485 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29486 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29487 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29488 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29489 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29490 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29491 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29492 0.0017086715
                              2.135839e-04 0.00000000000
                                                               0.0015663829
## 29493 0.0017086715
                              2.135839e-04 0.0000000000
                                                               0.0015663829
## 29494 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29495 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29496 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29497 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29498 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29499 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29500 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29501 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29502 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29503 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
```

```
## 29504 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                                                               0.2567092216
## 29505 0.5852199915
                              6.864228e-02 0.0472020504
## 29506 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29507 0.5852199915
                                                               0.2567092216
## 29508 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29509 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                                                               0.2567092216
## 29510 0.5852199915
                              6.864228e-02 0.0472020504
## 29511 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29512 0.5852199915
                                                               0.2567092216
## 29513 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29514 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29515 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29516 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29517 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29518 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29519 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29520 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29521 0.5852199915
                                                               0.2567092216
## 29522 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29523 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29524 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29525 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29526 0.5852199915
                                                               0.2567092216
## 29527 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29528 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29529 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29530 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29531 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29532 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29533 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29534 0.5852199915
                                                               0.2567092216
## 29535 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29536 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29537 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29538 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29539 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29540 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29541 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29542 0.5852199915
                                                               0.2567092216
## 29543 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29544 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29545 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29546 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29547 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29548 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29549 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29550 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29551 0.5852199915
                                                               0.2567092216
## 29552 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29553 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
```

```
## 29554 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                                                               0.2567092216
## 29555 0.5852199915
                              6.864228e-02 0.0472020504
## 29556 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29557 0.5852199915
                                                               0.2567092216
## 29558 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29559 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29560 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29561 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29562 0.5852199915
                                                               0.2567092216
## 29563 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29564 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29565 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29566 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29567 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29568 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29569 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29570 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29571 0.5852199915
                                                               0.2567092216
## 29572 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29573 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29574 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29575 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29576 0.5852199915
                                                               0.2567092216
## 29577 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29578 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29579 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29580 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29581 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29582 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29583 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29584 0.5852199915
                                                               0.2567092216
## 29585 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29586 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29587 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29588 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29589 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29590 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29591 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29592 0.5852199915
                                                               0.2567092216
## 29593 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29594 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29595 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29596 0.5852199915
                                                               0.2567092216
## 29597 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29598 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29599 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29600 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29601 0.5852199915
                                                               0.2567092216
## 29602 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29603 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
```

```
## 29604 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                                                               0.2567092216
## 29605 0.5852199915
                              6.864228e-02 0.0472020504
## 29606 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29607 0.5852199915
                                                               0.2567092216
## 29608 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29609 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29610 0.5852199915
                                                               0.2567092216
## 29611 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29612 0.5852199915
                                                               0.2567092216
## 29613 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29614 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29615 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29616 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29617 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29618 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29619 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29620 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29621 0.5852199915
                                                               0.2567092216
## 29622 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29623 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29624 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29625 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29626 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29627 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29628 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29629 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29630 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29631 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29632 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29633 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29634 0.5852199915
                                                               0.2567092216
## 29635 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29636 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29637 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29638 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29639 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29640 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29641 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29642 0.5852199915
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29643 0.5852199915
                                                               0.2567092216
## 29644 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29645 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29646 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29647 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29648 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29649 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29650 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29651 0.5852199915
                                                               0.2567092216
## 29652 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29653 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
```

```
## 29654 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                                                               0.2567092216
## 29655 0.5852199915
                              6.864228e-02 0.0472020504
## 29656 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29657 0.5852199915
                                                               0.2567092216
## 29658 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29659 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                                                               0.2567092216
## 29660 0.5852199915
                              6.864228e-02 0.0472020504
## 29661 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29662 0.5852199915
                                                               0.2567092216
## 29663 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29664 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29665 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29666 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29667 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29668 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29669 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29670 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29671 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29672 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29673 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29674 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29675 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29676 0.5852199915
                                                               0.2567092216
## 29677 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29678 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29679 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29680 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29681 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29682 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29683 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29684 0.5852199915
                                                               0.2567092216
## 29685 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29686 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29687 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29688 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29689 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29690 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29691 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29692 0.5852199915
                                                               0.2567092216
## 29693 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29694 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29695 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29696 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29697 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29698 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29699 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29700 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
                              6.864228e-02 0.0472020504
## 29701 0.5852199915
                                                               0.2567092216
## 29702 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29703 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
```

```
## 29704 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29705 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29706 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29707 0.5852199915
                              6.864228e-02 0.0472020504
                                                               0.2567092216
## 29708 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29709 0.1375480564
                                                               0.0681890842
                                                               0.0681890842
## 29710 0.1375480564
                              1.911192e-02 0.0123878684
## 29711 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29712 0.1375480564
                                                               0.0681890842
## 29713 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29714 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29715 0.1375480564
                                                               0.0681890842
## 29716 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29717 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29718 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29719 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29720 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29721 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29722 0.1375480564
                                                               0.0681890842
## 29723 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29724 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29725 0.1375480564
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29726 0.1375480564
                                                               0.0681890842
## 29727 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29728 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29729 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29730 0.1375480564
                                                               0.0681890842
## 29731 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29732 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29733 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29734 0.1375480564
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29735 0.1375480564
                                                               0.0681890842
## 29736 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29737 0.1375480564
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29738 0.1375480564
                                                               0.0681890842
## 29739 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29740 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29741 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29742 0.1375480564
                                                               0.0681890842
## 29743 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29744 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29745 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29746 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29747 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29748 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29749 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29750 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29751 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29752 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29753 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
```

```
## 29754 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29755 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29756 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29757 0.1375480564
                                                               0.0681890842
## 29758 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29759 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29760 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29761 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29762 0.1375480564
                                                               0.0681890842
## 29763 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29764 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29765 0.1375480564
                                                               0.0681890842
## 29766 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29767 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29768 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29769 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29770 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29771 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29772 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29773 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29774 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29775 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29776 0.1375480564
                                                               0.0681890842
## 29777 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29778 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29779 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29780 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29781 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29782 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29783 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
                              1.911192e-02 0.0123878684
## 29784 0.1375480564
                                                               0.0681890842
## 29785 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29786 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29787 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
## 29788 0.1375480564
                              1.911192e-02 0.0123878684
                                                               0.0681890842
##
                          X806.0.1 X7.574626865671642
               X0.0.1
                                                             X0.0.2
                                          5.282009e-03 0.0005200208
## 28004 0.0000000000 0.0755170755
## 28005 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28006 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28007 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28008 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28009 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28010 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28011 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28012 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
                                          5.282009e-03 0.0005200208
## 28013 0.0000000000 0.0755170755
## 28014 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28015 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28016 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28017 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
```

```
## 28018 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28019 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28020 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
                                          5.282009e-03 0.0005200208
## 28021 0.0000000000 0.0755170755
## 28022 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28023 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28024 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28025 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28026 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28027 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28028 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28029 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28030 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28031 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28032 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28033 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28034 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28035 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28036 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28037 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28038 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28039 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28040 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28041 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28042 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28043 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28044 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28045 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
                                          5.282009e-03 0.0005200208
## 28046 0.0000000000 0.0755170755
## 28047 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28048 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28049 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28050 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28051 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28052 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28053 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
                                          5.282009e-03 0.0005200208
## 28054 0.0000000000 0.0755170755
## 28055 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28056 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28057 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28058 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28059 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28060 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
                                          5.282009e-03 0.0005200208
## 28061 0.0000000000 0.0755170755
## 28062 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28063 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28064 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28065 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28066 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28067 0.0000000000 0.0755170755
                                         5.282009e-03 0.0005200208
```

```
## 28068 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28069 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28070 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
                                          5.282009e-03 0.0005200208
## 28071 0.0000000000 0.0755170755
## 28072 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28073 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
                                          5.282009e-03 0.0005200208
## 28074 0.0000000000 0.0755170755
## 28075 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28076 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28077 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28078 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28079 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28080 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28081 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28082 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28083 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28084 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28085 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28086 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28087 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
                                          5.282009e-03 0.0005200208
## 28088 0.0000000000 0.0755170755
## 28089 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28090 0.0000000000 0.0755170755
                                          5.282009e-03 0.0005200208
## 28091 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28092 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28093 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28094 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28095 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28096 0.0000000000 0.0072150072
                                          7.280291e-04 0.0000000000
## 28097 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28098 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28099 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28100 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28101 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28102 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28103 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28104 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28105 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28106 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28107 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28108 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28109 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28110 0.0000000000 0.0072150072
                                          7.280291e-04 0.0000000000
                                          7.280291e-04 0.0000000000
## 28111 0.0000000000 0.0072150072
## 28112 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28113 0.000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28114 0.0000000000 0.0072150072
                                          7.280291e-04 0.0000000000
## 28115 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28116 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28117 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
```

```
## 28118 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28119 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28120 0.0000000000 0.0072150072
                                          7.280291e-04 0.0000000000
                                          7.280291e-04 0.00000000000
## 28121 0.0000000000 0.0072150072
## 28122 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28123 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28124 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28125 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28126 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28127 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28128 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
                                          7.280291e-04 0.00000000000
## 28129 0.0000000000 0.0072150072
## 28130 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28131 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28132 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28133 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28134 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28135 0.0000000000 0.0072150072
                                          7.280291e-04 0.00000000000
## 28136 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28137 0.0000000000 0.0028860029
                                          4.529213e-04 0.0000000000
                                          4.529213e-04 0.0000000000
## 28138 0.0000000000 0.0028860029
## 28139 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28140 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28141 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28142 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28143 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
                                          4.529213e-04 0.00000000000
## 28144 0.0000000000 0.0028860029
## 28145 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
                                          4.529213e-04 0.00000000000
## 28146 0.0000000000 0.0028860029
## 28147 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28148 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28149 0.0000000000 0.0028860029
                                          4.529213e-04 0.0000000000
## 28150 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28151 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28152 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28153 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28154 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28155 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28156 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
                                          4.529213e-04 0.0000000000
## 28157 0.0000000000 0.0028860029
## 28158 0.0000000000 0.0028860029
                                          4.529213e-04 0.0000000000
## 28159 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28160 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
                                          4.529213e-04 0.0000000000
## 28161 0.0000000000 0.0028860029
## 28162 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28163 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28164 0.0000000000 0.0028860029
                                          4.529213e-04 0.0000000000
                                          4.529213e-04 0.00000000000
## 28165 0.0000000000 0.0028860029
## 28166 0.0000000000 0.0028860029
                                          4.529213e-04 0.00000000000
## 28167 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
```

```
## 28168 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28169 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28170 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
                                          1.394879e-02 0.0072802912
## 28171 0.0000000000 0.0649350649
## 28172 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28173 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28174 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28175 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28176 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28177 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28178 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28179 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28180 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28181 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28182 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28183 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28184 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28185 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28186 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28187 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28188 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28189 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28190 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28191 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28192 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28193 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28194 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28195 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
                                          1.394879e-02 0.0072802912
## 28196 0.0000000000 0.0649350649
## 28197 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28198 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
                                          1.394879e-02 0.0072802912
## 28199 0.0000000000 0.0649350649
## 28200 0.0000000000 0.0649350649
                                          1.394879e-02 0.0072802912
## 28201 0.0000000000 0.0019240019
                                          4.622407e-04 0.00000000000
## 28202 0.0000000000 0.0019240019
                                          4.622407e-04 0.00000000000
## 28203 0.0000000000 0.0019240019
                                          4.622407e-04 0.00000000000
## 28204 0.0000000000 0.0019240019
                                          4.622407e-04 0.00000000000
## 28205 0.0000000000 0.0019240019
                                          4.622407e-04 0.00000000000
## 28206 0.0000000000 0.0019240019
                                          4.622407e-04 0.00000000000
## 28207 0.0000000000 0.0019240019
                                          4.622407e-04 0.00000000000
## 28208 0.0000000000 0.0019240019
                                          4.622407e-04 0.00000000000
## 28209 0.0000000000 0.0019240019
                                          4.622407e-04 0.00000000000
## 28210 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28211 0.000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28212 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28213 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28214 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28215 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28216 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28217 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
```

```
## 28218 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28219 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28220 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
                                          1.111769e-03 0.00000000000
## 28221 0.0000000000 0.0505050505
## 28222 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28223 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28224 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28225 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28226 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28227 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28228 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28229 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28230 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28231 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28232 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28233 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28234 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28235 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28236 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28237 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28238 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28239 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28240 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28241 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28242 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28243 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28244 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28245 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
                                          1.111769e-03 0.0000000000
## 28246 0.0000000000 0.0505050505
## 28247 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28248 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28249 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28250 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28251 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28252 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28253 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
                                          1.111769e-03 0.0000000000
## 28254 0.0000000000 0.0505050505
## 28255 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28256 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28257 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28258 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28259 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28260 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
                                          1.111769e-03 0.0000000000
## 28261 0.0000000000 0.0505050505
## 28262 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28263 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28264 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28265 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28266 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28267 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
```

```
## 28268 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28269 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28270 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
                                          1.111769e-03 0.00000000000
## 28271 0.0000000000 0.0505050505
## 28272 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28273 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28274 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28275 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28276 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28277 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28278 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28279 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28280 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28281 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28282 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28283 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28284 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28285 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28286 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28287 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28288 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28289 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28290 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28291 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28292 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28293 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28294 0.0000000000 0.0505050505
                                          1.111769e-03 0.00000000000
## 28295 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28296 0.0000000000 0.0505050505
                                          1.111769e-03 0.0000000000
## 28297 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28298 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28299 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28300 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28301 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28302 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28303 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28304 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28305 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28306 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28307 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28308 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28309 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28310 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28311 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28312 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28313 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28314 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28315 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28316 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28317 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
```

```
## 28318 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28319 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28320 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
                                         4.062049e-03 0.0010400416
## 28321 0.0000000000 0.0235690236
## 28322 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28323 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
                                         4.062049e-03 0.0010400416
## 28324 0.0000000000 0.0235690236
## 28325 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28326 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28327 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28328 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28329 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28330 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28331 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28332 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28333 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28334 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28335 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28336 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28337 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28338 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28339 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28340 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28341 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28342 0.0000000000 0.0235690236
                                          4.062049e-03 0.0010400416
## 28343 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28344 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28345 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
                                         4.062049e-03 0.0010400416
## 28346 0.0000000000 0.0235690236
## 28347 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28348 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28349 0.0000000000 0.0235690236
                                         4.062049e-03 0.0010400416
## 28350 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28351 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28352 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28353 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28354 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28355 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28356 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
                                          6.300252e-04 0.0000000000
## 28357 0.0000000000 0.0072150072
## 28358 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28359 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28360 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
                                          6.300252e-04 0.0000000000
## 28361 0.0000000000 0.0072150072
## 28362 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28363 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28364 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28365 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28366 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28367 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
```

```
## 28368 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28369 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28370 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
                                          6.300252e-04 0.00000000000
## 28371 0.0000000000 0.0072150072
## 28372 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28373 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
                                          6.300252e-04 0.0000000000
## 28374 0.0000000000 0.0072150072
## 28375 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28376 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28377 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28378 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
                                          6.300252e-04 0.0000000000
## 28379 0.0000000000 0.0072150072
## 28380 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28381 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28382 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28383 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28384 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28385 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28386 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28387 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28388 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28389 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28390 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28391 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28392 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28393 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28394 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28395 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28396 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28397 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28398 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28399 0.0000000000 0.0072150072
                                          6.300252e-04 0.0000000000
## 28400 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28401 0.0000000000 0.0072150072
                                          6.300252e-04 0.00000000000
## 28402 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28403 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28404 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28405 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28406 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28407 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28408 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28409 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28410 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28411 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28412 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28413 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28414 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28415 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28416 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28417 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
```

```
## 28418 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28419 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28420 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
                                          5.333547e-05 0.00000000000
## 28421 0.0000000000 0.0009620010
## 28422 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28423 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
                                          5.333547e-05 0.00000000000
## 28424 0.0000000000 0.0009620010
## 28425 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28426 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28427 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28428 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28429 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28430 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28431 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28432 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28433 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28434 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28435 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28436 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28437 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28438 0.0000000000 0.0009620010
                                          5.333547e-05 0.0000000000
## 28439 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28440 0.0000000000 0.0009620010
                                          5.333547e-05 0.00000000000
## 28441 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28442 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
                                          4.692942e-02 0.0197607904
## 28443 0.0000000000 0.5468975469
## 28444 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
                                          4.692942e-02 0.0197607904
## 28445 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28446 0.0000000000 0.5468975469
## 28447 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28448 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
                                          4.692942e-02 0.0197607904
## 28449 0.0000000000 0.5468975469
## 28450 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28451 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28452 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28453 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
                                          4.692942e-02 0.0197607904
## 28454 0.0000000000 0.5468975469
## 28455 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28456 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
                                          4.692942e-02 0.0197607904
## 28457 0.0000000000 0.5468975469
## 28458 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28459 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28460 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
                                          4.692942e-02 0.0197607904
## 28461 0.0000000000 0.5468975469
## 28462 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28463 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28464 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28465 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28466 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28467 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
```

```
## 28468 0.0000000000 0.5468975469
                                          4.692942e-02 0.0197607904
## 28469 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28470 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
                                         4.692942e-02 0.0197607904
## 28471 0.0000000000 0.5468975469
## 28472 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28473 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28474 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28475 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28476 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28477 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28478 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28479 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28480 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28481 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28482 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28483 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28484 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28485 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28486 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28487 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28488 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28489 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28490 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28491 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
## 28492 0.0000000000 0.5468975469
                                         4.692942e-02 0.0197607904
                                         4.692942e-02 0.0197607904
## 28493 0.0000000000 0.5468975469
## 28494 0.0192407696 0.6440596441
                                         2.452765e-01 0.1622464899
## 28495 0.0192407696 0.6440596441
                                         2.452765e-01 0.1622464899
                                         2.452765e-01 0.1622464899
## 28496 0.0192407696 0.6440596441
## 28497 0.0192407696 0.6440596441
                                         2.452765e-01 0.1622464899
## 28498 0.0192407696 0.6440596441
                                         2.452765e-01 0.1622464899
## 28499 0.0192407696 0.6440596441
                                         2.452765e-01 0.1622464899
## 28500 0.0000000000 0.0721500722
                                         1.812072e-02 0.0150806032
## 28501 0.0000000000 0.0721500722
                                         1.812072e-02 0.0150806032
## 28502 0.0000000000 0.0721500722
                                         1.812072e-02 0.0150806032
## 28503 0.0000000000 0.0721500722
                                         1.812072e-02 0.0150806032
                                         1.812072e-02 0.0150806032
## 28504 0.0000000000 0.0721500722
## 28505 0.0000000000 0.0721500722
                                         1.812072e-02 0.0150806032
## 28506 0.0000000000 0.0721500722
                                          1.812072e-02 0.0150806032
## 28507 0.0000000000 0.0721500722
                                         1.812072e-02 0.0150806032
## 28508 0.0000000000 0.0721500722
                                         1.812072e-02 0.0150806032
## 28509 0.0000000000 0.0721500722
                                          1.812072e-02 0.0150806032
## 28510 0.0000000000 0.0721500722
                                         1.812072e-02 0.0150806032
## 28511 0.0000000000 0.0721500722
                                         1.812072e-02 0.0150806032
## 28512 0.0000000000 0.0721500722
                                         1.812072e-02 0.0150806032
## 28513 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28514 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28515 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28516 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28517 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
```

```
## 28518 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28519 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28520 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
                                          3.876822e-03 0.0010400416
## 28521 0.0000000000 0.0726310726
## 28522 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28523 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
                                         3.876822e-03 0.0010400416
## 28524 0.0000000000 0.0726310726
## 28525 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28526 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28527 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28528 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28529 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28530 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28531 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28532 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28533 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28534 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28535 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28536 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28537 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28538 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28539 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28540 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28541 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28542 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28543 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28544 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28545 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
                                         3.876822e-03 0.0010400416
## 28546 0.0000000000 0.0726310726
## 28547 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28548 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28549 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28550 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28551 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28552 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28553 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
                                          3.876822e-03 0.0010400416
## 28554 0.0000000000 0.0726310726
## 28555 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28556 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28557 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28558 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28559 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28560 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28561 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28562 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28563 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28564 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28565 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28566 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28567 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
```

```
## 28568 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28569 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28570 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
                                          3.876822e-03 0.0010400416
## 28571 0.0000000000 0.0726310726
## 28572 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28573 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28574 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28575 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28576 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28577 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28578 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28579 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28580 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28581 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28582 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28583 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28584 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28585 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28586 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28587 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28588 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28589 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28590 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28591 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28592 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28593 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28594 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28595 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
                                         3.876822e-03 0.0010400416
## 28596 0.0000000000 0.0726310726
## 28597 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28598 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28599 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28600 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28601 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28602 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28603 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28604 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28605 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28606 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28607 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28608 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28609 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28610 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28611 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
                                          3.876822e-03 0.0010400416
## 28612 0.0000000000 0.0726310726
## 28613 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28614 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28615 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28616 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28617 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
```

```
## 28618 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28619 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28620 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
                                          3.876822e-03 0.0010400416
## 28621 0.0000000000 0.0726310726
## 28622 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28623 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28624 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28625 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28626 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28627 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28628 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28629 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28630 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28631 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28632 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28633 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28634 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28635 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28636 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28637 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28638 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28639 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28640 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28641 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28642 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28643 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28644 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28645 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
                                          3.876822e-03 0.0010400416
## 28646 0.0000000000 0.0726310726
## 28647 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28648 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28649 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28650 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28651 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28652 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28653 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
                                          3.876822e-03 0.0010400416
## 28654 0.0000000000 0.0726310726
## 28655 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28656 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28657 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28658 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28659 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28660 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28661 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
                                          3.876822e-03 0.0010400416
## 28662 0.0000000000 0.0726310726
## 28663 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28664 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28665 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28666 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
## 28667 0.0000000000 0.0726310726
                                         3.876822e-03 0.0010400416
```

```
## 28668 0.0000000000 0.0726310726
                                          3.876822e-03 0.0010400416
## 28669 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28670 0.0000000000 0.0019240019
                                          7.123573e-05 0.0000000000
                                          7.123573e-05 0.00000000000
## 28671 0.0000000000 0.0019240019
## 28672 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28673 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
                                          7.123573e-05 0.00000000000
## 28674 0.0000000000 0.0019240019
## 28675 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28676 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28677 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28678 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28679 0.0000000000 0.0019240019
                                          7.123573e-05 0.0000000000
## 28680 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28681 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28682 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28683 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28684 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28685 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28686 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28687 0.0000000000 0.0019240019
                                          7.123573e-05 0.0000000000
                                          7.123573e-05 0.00000000000
## 28688 0.0000000000 0.0019240019
## 28689 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28690 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28691 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28692 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28693 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28694 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28695 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28696 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28697 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28698 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28699 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28700 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28701 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28702 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28703 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28704 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28705 0.0000000000 0.0019240019
                                          7.123573e-05 0.0000000000
## 28706 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28707 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28708 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28709 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
                                          7.123573e-05 0.0000000000
## 28710 0.0000000000 0.0019240019
## 28711 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28712 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28713 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28714 0.0000000000 0.0019240019
                                          7.123573e-05 0.0000000000
## 28715 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28716 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28717 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
```

```
## 28718 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28719 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28720 0.0000000000 0.0019240019
                                          7.123573e-05 0.0000000000
                                          7.123573e-05 0.00000000000
## 28721 0.0000000000 0.0019240019
## 28722 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28723 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28724 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28725 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28726 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28727 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28728 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28729 0.0000000000 0.0019240019
                                          7.123573e-05 0.0000000000
## 28730 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28731 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28732 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28733 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28734 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28735 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28736 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28737 0.0000000000 0.0019240019
                                          7.123573e-05 0.0000000000
## 28738 0.0000000000 0.0019240019
                                          7.123573e-05 0.0000000000
## 28739 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28740 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28741 0.0000000000 0.0019240019
                                          7.123573e-05 0.00000000000
## 28742 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28743 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28744 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28745 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28746 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28747 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28748 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28749 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28750 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28751 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28752 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28753 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
                                          2.635465e-02 0.0083203328
## 28754 0.0000000000 0.1207311207
## 28755 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28756 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28757 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28758 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28759 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28760 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28761 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28762 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28763 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28764 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28765 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28766 0.0000000000 0.1207311207
                                          2.635465e-02 0.0083203328
## 28767 0.0000000000 0.0000000000
                                          0.000000e+00 0.0000000000
```

```
## 28768 0.0000000000 0.0000000000
                                          0.000000e+00 0.0000000000
## 28769 0.0000000000 0.0000000000
                                          0.000000e+00 0.0000000000
## 28770 0.0000000000 0.0000000000
                                         0.000000e+00 0.0000000000
## 28771 0.0000000000 0.0000000000
                                         0.000000e+00 0.0000000000
## 28772 0.0000000000 0.0000000000
                                         0.000000e+00 0.0000000000
## 28773 0.0000000000 0.0000000000
                                          0.000000e+00 0.0000000000
## 28774 0.0000000000 0.0000000000
                                         0.000000e+00 0.00000000000
## 28775 0.0000000000 0.0000000000
                                         0.000000e+00 0.0000000000
## 28776 0.0000000000 0.0000000000
                                         0.000000e+00 0.0000000000
## 28777 0.0000000000 0.0000000000
                                          0.000000e+00 0.0000000000
## 28778 0.0000000000 0.0000000000
                                         0.000000e+00 0.0000000000
## 28779 0.0000000000 0.0000000000
                                         0.000000e+00 0.0000000000
## 28780 0.0000000000 0.0000000000
                                         0.000000e+00 0.0000000000
## 28781 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28782 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28783 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28784 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28785 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28786 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28787 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28788 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28789 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28790 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28791 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28792 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28793 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
## 28794 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
                                         1.903854e-02 0.0039001560
## 28795 0.0000000000 0.2140452140
                                          1.903854e-02 0.0039001560
## 28796 0.0000000000 0.2140452140
## 28797 0.0000000000 0.2140452140
                                         1.903854e-02 0.0039001560
                                         1.903854e-02 0.0039001560
## 28798 0.0000000000 0.2140452140
## 28799 0.0015600624 0.2034632035
                                         3.961613e-02 0.0182007280
## 28800 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
## 28801 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
## 28802 0.0015600624 0.2034632035
                                         3.961613e-02 0.0182007280
## 28803 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
                                          3.961613e-02 0.0182007280
## 28804 0.0015600624 0.2034632035
## 28805 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
## 28806 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
                                         3.961613e-02 0.0182007280
## 28807 0.0015600624 0.2034632035
## 28808 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
## 28809 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
## 28810 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
                                          3.961613e-02 0.0182007280
## 28811 0.0015600624 0.2034632035
## 28812 0.0015600624 0.2034632035
                                         3.961613e-02 0.0182007280
## 28813 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
## 28814 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
                                          3.961613e-02 0.0182007280
## 28815 0.0015600624 0.2034632035
## 28816 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
## 28817 0.0015600624 0.2034632035
                                         3.961613e-02 0.0182007280
```

```
## 28818 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
## 28819 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
## 28820 0.0015600624 0.2034632035
                                          3.961613e-02 0.0182007280
                                          9.425377e-03 0.0083203328
## 28821 0.0020800832 0.0182780183
## 28822 0.0020800832 0.0182780183
                                          9.425377e-03 0.0083203328
## 28823 0.0020800832 0.0182780183
                                          9.425377e-03 0.0083203328
## 28824 0.0020800832 0.0182780183
                                          9.425377e-03 0.0083203328
## 28825 0.0020800832 0.0182780183
                                          9.425377e-03 0.0083203328
## 28826 0.0020800832 0.0182780183
                                          9.425377e-03 0.0083203328
## 28827 0.0020800832 0.0182780183
                                          9.425377e-03 0.0083203328
## 28828 0.0020800832 0.0182780183
                                          9.425377e-03 0.0083203328
## 28829 0.0000000000 0.0177970178
                                          5.148206e-03 0.0036401456
## 28830 0.0000000000 0.0177970178
                                          5.148206e-03 0.0036401456
## 28831 0.0000000000 0.0177970178
                                          5.148206e-03 0.0036401456
## 28832 0.0000000000 0.0177970178
                                          5.148206e-03 0.0036401456
## 28833 0.0000000000 0.0177970178
                                          5.148206e-03 0.0036401456
## 28834 0.0000000000 0.0177970178
                                          5.148206e-03 0.0036401456
## 28835 0.0000000000 0.0177970178
                                          5.148206e-03 0.0036401456
## 28836 0.0000000000 0.0177970178
                                          5.148206e-03 0.0036401456
## 28837 0.0000000000 0.0177970178
                                          5.148206e-03 0.0036401456
## 28838 0.0000000000 0.0177970178
                                          5.148206e-03 0.0036401456
## 28839 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28840 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28841 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28842 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28843 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28844 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28845 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
                                          1.106711e-03 0.00000000000
## 28846 0.0000000000 0.0125060125
## 28847 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28848 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28849 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28850 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28851 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28852 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28853 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28854 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28855 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28856 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28857 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28858 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28859 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28860 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28861 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28862 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28863 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28864 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28865 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28866 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28867 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
```

```
## 28868 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28869 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28870 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
                                          1.106711e-03 0.00000000000
## 28871 0.0000000000 0.0125060125
## 28872 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28873 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28874 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28875 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28876 0.0000000000 0.0125060125
                                          1.106711e-03 0.0000000000
## 28877 0.0000000000 0.0125060125
                                          1.106711e-03 0.00000000000
## 28878 0.0000000000 0.0043290043
                                          2.600104e-03 0.0028601144
## 28879 0.0000000000 0.0043290043
                                          2.600104e-03 0.0028601144
## 28880 0.0000000000 0.0043290043
                                          2.600104e-03 0.0028601144
## 28881 0.0000000000 0.0043290043
                                          2.600104e-03 0.0028601144
## 28882 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28883 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28884 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28885 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28886 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28887 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28888 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28889 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28890 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28891 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28892 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28893 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28894 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28895 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
                                          8.381914e-03 0.0005200208
## 28896 0.0000000000 0.2996632997
## 28897 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28898 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28899 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28900 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28901 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28902 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28903 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28904 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28905 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28906 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28907 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28908 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28909 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28910 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28911 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28912 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28913 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28914 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28915 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28916 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28917 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
```

```
## 28918 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28919 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28920 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
                                          8.381914e-03 0.0005200208
## 28921 0.0000000000 0.2996632997
## 28922 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28923 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
                                          8.381914e-03 0.0005200208
## 28924 0.0000000000 0.2996632997
## 28925 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28926 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28927 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28928 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28929 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28930 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28931 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28932 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28933 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28934 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28935 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28936 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28937 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
                                          8.381914e-03 0.0005200208
## 28938 0.0000000000 0.2996632997
## 28939 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28940 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28941 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28942 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28943 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28944 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28945 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
                                          8.381914e-03 0.0005200208
## 28946 0.0000000000 0.2996632997
## 28947 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28948 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28949 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28950 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28951 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28952 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28953 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28954 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28955 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28956 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28957 0.0000000000 0.2996632997
                                          8.381914e-03 0.0005200208
## 28958 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28959 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28960 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
                                          1.278591e-02 0.0057202288
## 28961 0.0000000000 0.0740740741
## 28962 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28963 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28964 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28965 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28966 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28967 0.0000000000 0.0740740741
                                         1.278591e-02 0.0057202288
```

```
## 28968 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28969 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28970 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
                                          1.278591e-02 0.0057202288
## 28971 0.0000000000 0.0740740741
## 28972 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28973 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
                                          1.278591e-02 0.0057202288
## 28974 0.0000000000 0.0740740741
## 28975 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28976 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28977 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28978 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
                                          1.278591e-02 0.0057202288
## 28979 0.0000000000 0.0740740741
## 28980 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28981 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28982 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28983 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28984 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28985 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28986 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28987 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28988 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28989 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28990 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28991 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28992 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28993 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28994 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28995 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
                                          1.278591e-02 0.0057202288
## 28996 0.0000000000 0.0740740741
## 28997 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28998 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 28999 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29000 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29001 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29002 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29003 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
                                          1.278591e-02 0.0057202288
## 29004 0.0000000000 0.0740740741
## 29005 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29006 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
                                          1.278591e-02 0.0057202288
## 29007 0.0000000000 0.0740740741
## 29008 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29009 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29010 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
                                          1.278591e-02 0.0057202288
## 29011 0.0000000000 0.0740740741
## 29012 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29013 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29014 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
                                          1.278591e-02 0.0057202288
## 29015 0.0000000000 0.0740740741
## 29016 0.0000000000 0.0740740741
                                         1.278591e-02 0.0057202288
## 29017 0.0000000000 0.0740740741
                                         1.278591e-02 0.0057202288
```

```
## 29018 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29019 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
## 29020 0.0000000000 0.0740740741
                                          1.278591e-02 0.0057202288
                                         4.310972e-02 0.0109204368
## 29021 0.0005200208 0.4001924002
## 29022 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29023 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29024 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29025 0.0005200208 0.4001924002
                                          4.310972e-02 0.0109204368
## 29026 0.0005200208 0.4001924002
                                          4.310972e-02 0.0109204368
## 29027 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29028 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29029 0.0005200208 0.4001924002
                                          4.310972e-02 0.0109204368
## 29030 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29031 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29032 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29033 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29034 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29035 0.0005200208 0.4001924002
                                          4.310972e-02 0.0109204368
## 29036 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29037 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29038 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29039 0.0005200208 0.4001924002
                                         4.310972e-02 0.0109204368
## 29040 0.0005200208 0.4001924002
                                          4.310972e-02 0.0109204368
## 29041 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29042 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29043 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29044 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29045 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29046 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29047 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29048 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29049 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29050 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29051 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29052 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29053 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29054 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29055 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29056 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29057 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29058 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29059 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29060 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29061 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29062 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29063 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29064 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29065 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29066 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29067 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
```

```
## 29068 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29069 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29070 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29071 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29072 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29073 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29074 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29075 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29076 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29077 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29078 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29079 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29080 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29081 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29082 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29083 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29084 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29085 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29086 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29087 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
                                         1.174109e-03 0.0005200208
## 29088 0.0000000000 0.0173160173
## 29089 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29090 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29091 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29092 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29093 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29094 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29095 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29096 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29097 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29098 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29099 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29100 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29101 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29102 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29103 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29104 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29105 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29106 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29107 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29108 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29109 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29110 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29111 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29112 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29113 0.000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29114 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29115 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29116 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29117 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
```

```
## 29118 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29119 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29120 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
                                         1.174109e-03 0.0005200208
## 29121 0.0000000000 0.0173160173
## 29122 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29123 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29124 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29125 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29126 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29127 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29128 0.000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29129 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29130 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29131 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29132 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29133 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29134 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29135 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29136 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29137 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
                                         1.174109e-03 0.0005200208
## 29138 0.0000000000 0.0173160173
## 29139 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29140 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29141 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29142 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29143 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29144 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29145 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29146 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29147 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29148 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29149 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29150 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29151 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29152 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29153 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29154 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29155 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29156 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29157 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29158 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29159 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29160 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29161 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29162 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
                                         1.174109e-03 0.0005200208
## 29163 0.0000000000 0.0173160173
## 29164 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29165 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29166 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
## 29167 0.0000000000 0.0173160173
                                         1.174109e-03 0.0005200208
```

```
## 29168 0.0000000000 0.0173160173
                                          1.174109e-03 0.0005200208
## 29169 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29170 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
                                          6.383375e-03 0.0020800832
## 29171 0.0000000000 0.1548821549
## 29172 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29173 0.000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29174 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29175 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29176 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29177 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29178 0.000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29179 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29180 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29181 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29182 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29183 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29184 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29185 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29186 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29187 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29188 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29189 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29190 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29191 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29192 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29193 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29194 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29195 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29196 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29197 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29198 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29199 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29200 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29201 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29202 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29203 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29204 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29205 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29206 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29207 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29208 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29209 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29210 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
                                          6.383375e-03 0.0020800832
## 29211 0.0000000000 0.1548821549
## 29212 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29213 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29214 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29215 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29216 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29217 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
```

```
## 29218 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29219 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29220 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
                                         6.383375e-03 0.0020800832
## 29221 0.0000000000 0.1548821549
## 29222 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29223 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29224 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29225 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29226 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29227 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29228 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29229 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29230 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29231 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29232 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29233 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29234 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29235 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29236 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29237 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29238 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29239 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29240 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29241 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29242 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29243 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29244 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29245 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
                                         6.383375e-03 0.0020800832
## 29246 0.0000000000 0.1548821549
## 29247 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29248 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29249 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29250 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29251 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29252 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29253 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29254 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29255 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29256 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29257 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29258 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29259 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29260 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
                                          6.383375e-03 0.0020800832
## 29261 0.0000000000 0.1548821549
## 29262 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29263 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29264 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29265 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29266 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29267 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
```

```
## 29268 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29269 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29270 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
                                         6.383375e-03 0.0020800832
## 29271 0.0000000000 0.1548821549
## 29272 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29273 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29274 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29275 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29276 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29277 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29278 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29279 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29280 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29281 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29282 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29283 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29284 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29285 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29286 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29287 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29288 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29289 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29290 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29291 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29292 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29293 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29294 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29295 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29296 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29297 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29298 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29299 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29300 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29301 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29302 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29303 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29304 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29305 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29306 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29307 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29308 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29309 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29310 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
                                          6.383375e-03 0.0020800832
## 29311 0.0000000000 0.1548821549
## 29312 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29313 0.000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29314 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29315 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29316 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29317 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
```

```
## 29318 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29319 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29320 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
                                         6.383375e-03 0.0020800832
## 29321 0.0000000000 0.1548821549
## 29322 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29323 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29324 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29325 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29326 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29327 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29328 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29329 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29330 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29331 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29332 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29333 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29334 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29335 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29336 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29337 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29338 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29339 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29340 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29341 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29342 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29343 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29344 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29345 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29346 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29347 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29348 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29349 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29350 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29351 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29352 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29353 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29354 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29355 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29356 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29357 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29358 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29359 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29360 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
                                          6.383375e-03 0.0020800832
## 29361 0.0000000000 0.1548821549
## 29362 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29363 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29364 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29365 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29366 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29367 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
```

```
## 29368 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29369 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29370 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
                                         6.383375e-03 0.0020800832
## 29371 0.0000000000 0.1548821549
## 29372 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29373 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29374 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29375 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29376 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29377 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29378 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29379 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29380 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29381 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29382 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29383 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29384 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29385 0.0000000000 0.1548821549
                                         6.383375e-03 0.0020800832
## 29386 0.0000000000 0.1548821549
                                          6.383375e-03 0.0020800832
## 29387 0.0005200208 0.3694083694
                                         1.568383e-01 0.1794071763
## 29388 0.0005200208 0.3694083694
                                         1.568383e-01 0.1794071763
## 29389 0.0005200208 0.3694083694
                                         1.568383e-01 0.1794071763
## 29390 0.0005200208 0.3694083694
                                         1.568383e-01 0.1794071763
## 29391 0.0005200208 0.3694083694
                                         1.568383e-01 0.1794071763
## 29392 0.0041601664 0.1524771525
                                         6.766048e-02 0.0603224129
## 29393 0.0041601664 0.1524771525
                                          6.766048e-02 0.0603224129
## 29394 0.0041601664 0.1524771525
                                         6.766048e-02 0.0603224129
## 29395 0.0041601664 0.1524771525
                                          6.766048e-02 0.0603224129
## 29396 0.0041601664 0.1524771525
                                          6.766048e-02 0.0603224129
## 29397 0.0041601664 0.1524771525
                                         6.766048e-02 0.0603224129
## 29398 0.0041601664 0.1524771525
                                          6.766048e-02 0.0603224129
## 29399 0.0041601664 0.1524771525
                                         6.766048e-02 0.0603224129
## 29400 0.0041601664 0.1524771525
                                         6.766048e-02 0.0603224129
## 29401 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29402 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29403 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29404 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29405 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29406 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
                                         1.438156e-02 0.0015600624
## 29407 0.0000000000 0.1770081770
## 29408 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29409 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29410 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
                                         1.438156e-02 0.0015600624
## 29411 0.0000000000 0.1770081770
## 29412 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29413 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29414 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
                                         1.438156e-02 0.0015600624
## 29415 0.0000000000 0.1770081770
## 29416 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29417 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
```

```
## 29418 0.0000000000 0.1770081770
                                          1.438156e-02 0.0015600624
## 29419 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29420 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
                                         1.438156e-02 0.0015600624
## 29421 0.0000000000 0.1770081770
## 29422 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29423 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29424 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29425 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29426 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29427 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29428 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29429 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29430 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29431 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29432 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29433 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29434 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29435 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29436 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29437 0.0000000000 0.1770081770
                                          1.438156e-02 0.0015600624
## 29438 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29439 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29440 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29441 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29442 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29443 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29444 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29445 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29446 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29447 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29448 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29449 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29450 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29451 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29452 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29453 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
                                         1.438156e-02 0.0015600624
## 29454 0.0000000000 0.1770081770
## 29455 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29456 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
                                         1.438156e-02 0.0015600624
## 29457 0.0000000000 0.1770081770
## 29458 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29459 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29460 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
## 29461 0.0000000000 0.1770081770
                                         1.438156e-02 0.0015600624
                                         1.137546e-04 0.00000000000
## 29462 0.0000000000 0.0014430014
## 29463 0.0000000000 0.0014430014
                                         1.137546e-04 0.00000000000
## 29464 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29465 0.0000000000 0.0014430014
                                         1.137546e-04 0.00000000000
## 29466 0.0000000000 0.0014430014
                                         1.137546e-04 0.00000000000
## 29467 0.0000000000 0.0014430014
                                         1.137546e-04 0.00000000000
```

```
## 29468 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29469 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29470 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29471 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29472 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29473 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
                                          1.137546e-04 0.00000000000
## 29474 0.0000000000 0.0014430014
## 29475 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29476 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29477 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29478 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29479 0.0000000000 0.0014430014
                                          1.137546e-04 0.0000000000
## 29480 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29481 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
                                          1.137546e-04 0.00000000000
## 29482 0.0000000000 0.0014430014
## 29483 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29484 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
                                          1.137546e-04 0.00000000000
## 29485 0.0000000000 0.0014430014
## 29486 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29487 0.0000000000 0.0014430014
                                          1.137546e-04 0.0000000000
## 29488 0.0000000000 0.0014430014
                                          1.137546e-04 0.0000000000
## 29489 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29490 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29491 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29492 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29493 0.0000000000 0.0014430014
                                          1.137546e-04 0.00000000000
## 29494 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29495 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29496 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29497 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29498 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29499 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29500 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29501 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29502 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
                                          2.995466e-02 0.0070202808
## 29503 0.0000000000 0.6325156325
## 29504 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29505 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29506 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29507 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29508 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29509 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29510 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29511 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
                                          2.995466e-02 0.0070202808
## 29512 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29513 0.000000000 0.6325156325
## 29514 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29515 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29516 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29517 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
```

```
## 29518 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29519 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29520 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29521 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29522 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29523 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29524 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29525 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29526 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29527 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29528 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29529 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29530 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29531 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29532 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29533 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29534 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29535 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29536 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29537 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
                                         2.995466e-02 0.0070202808
## 29538 0.000000000 0.6325156325
## 29539 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29540 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29541 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29542 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29543 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29544 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29545 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29546 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29547 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29548 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29549 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29550 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29551 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29552 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
                                         2.995466e-02 0.0070202808
## 29553 0.0000000000 0.6325156325
## 29554 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29555 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29556 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29557 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29558 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29559 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29560 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29561 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
                                         2.995466e-02 0.0070202808
## 29562 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29563 0.000000000 0.6325156325
## 29564 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29565 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29566 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29567 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
```

```
## 29568 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29569 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29570 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29571 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29572 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29573 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29574 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29575 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29576 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29577 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29578 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29579 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29580 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29581 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29582 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29583 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29584 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29585 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29586 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29587 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
                                         2.995466e-02 0.0070202808
## 29588 0.000000000 0.6325156325
## 29589 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29590 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29591 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29592 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29593 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29594 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29595 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29596 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29597 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29598 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29599 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29600 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29601 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29602 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
                                         2.995466e-02 0.0070202808
## 29603 0.0000000000 0.6325156325
## 29604 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29605 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29606 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29607 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29608 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29609 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29610 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29611 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
                                         2.995466e-02 0.0070202808
## 29612 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29613 0.000000000 0.6325156325
## 29614 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29615 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29616 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29617 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
```

```
## 29618 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29619 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29620 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29621 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29622 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29623 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29624 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29625 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29626 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29627 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29628 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29629 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29630 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29631 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29632 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29633 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29634 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29635 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29636 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29637 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
                                         2.995466e-02 0.0070202808
## 29638 0.000000000 0.6325156325
## 29639 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29640 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29641 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29642 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29643 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29644 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29645 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29646 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29647 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29648 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29649 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29650 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29651 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29652 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
                                         2.995466e-02 0.0070202808
## 29653 0.0000000000 0.6325156325
## 29654 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29655 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29656 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29657 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29658 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29659 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29660 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29661 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
                                         2.995466e-02 0.0070202808
## 29662 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29663 0.000000000 0.6325156325
## 29664 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29665 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29666 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29667 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
```

```
## 29668 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29669 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29670 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29671 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29672 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29673 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29674 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29675 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29676 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29677 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29678 0.000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29679 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29680 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29681 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29682 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29683 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29684 0.000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29685 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29686 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29687 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
                                         2.995466e-02 0.0070202808
## 29688 0.000000000 0.6325156325
## 29689 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29690 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29691 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29692 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29693 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29694 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29695 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29696 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29697 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29698 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29699 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29700 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29701 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29702 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29703 0.0000000000 0.6325156325
                                          2.995466e-02 0.0070202808
## 29704 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29705 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29706 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29707 0.0000000000 0.6325156325
                                         2.995466e-02 0.0070202808
## 29708 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29709 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29710 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29711 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
                                          8.825389e-03 0.0026001040
## 29712 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29713 0.0000000000 0.1168831169
## 29714 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29715 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29716 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29717 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
```

```
## 29718 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29719 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29720 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
                                         8.825389e-03 0.0026001040
## 29721 0.0000000000 0.1168831169
## 29722 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29723 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29724 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29725 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29726 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29727 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29728 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29729 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29730 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29731 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29732 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29733 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29734 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29735 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29736 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29737 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
                                         8.825389e-03 0.0026001040
## 29738 0.0000000000 0.1168831169
## 29739 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29740 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29741 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29742 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29743 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29744 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29745 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29746 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29747 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29748 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29749 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29750 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29751 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29752 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29753 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29754 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29755 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29756 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29757 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29758 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29759 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29760 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29761 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29762 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
                                         8.825389e-03 0.0026001040
## 29763 0.0000000000 0.1168831169
## 29764 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29765 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29766 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
## 29767 0.0000000000 0.1168831169
                                         8.825389e-03 0.0026001040
```

```
## 29768 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29769 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29770 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
                                          8.825389e-03 0.0026001040
## 29771 0.0000000000 0.1168831169
## 29772 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29773 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
                                          8.825389e-03 0.0026001040
## 29774 0.0000000000 0.1168831169
## 29775 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29776 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29777 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29778 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29779 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29780 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29781 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29782 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29783 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29784 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29785 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29786 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
## 29787 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
  29788 0.0000000000 0.1168831169
                                          8.825389e-03 0.0026001040
##
##
         X69.435826365571
                             X0.0.3
                                           X76.0 X2.6044776119402986
## 28004
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28005
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28006
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28007
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28008
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28009
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28010
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28011
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28012
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28013
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28014
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28015
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28016
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28017
                                                        0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28018
                                                        0.0196129297
## 28019
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28020
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28021
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28022
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28023
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28024
                                                        0.0196129297
## 28025
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28026
                                                        0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28027
                                                        0.0196129297
## 28028
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28029
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28030
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
## 28031
             0.0542492479 0.0000000 0.066666667
                                                        0.0196129297
```

```
## 28032
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28033
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28034
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28035
                                                         0.0196129297
## 28036
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28037
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28038
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28039
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28040
                                                         0.0196129297
## 28041
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28042
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28043
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
                                                         0.0196129297
## 28044
             0.0542492479 0.0000000 0.066666667
## 28045
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28046
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28047
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28048
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28049
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28050
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28051
                                                         0.0196129297
## 28052
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28053
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28054
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28055
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28056
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28057
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28058
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28059
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28060
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28061
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28062
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28063
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28064
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28065
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28066
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28067
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28068
                                                         0.0196129297
## 28069
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28070
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28071
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28072
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28073
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28074
                                                         0.0196129297
## 28075
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28076
                                                         0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28077
                                                         0.0196129297
## 28078
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28079
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28080
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28081
                                                         0.0196129297
```

```
## 28082
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28083
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28084
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28085
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28086
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28087
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28088
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
## 28089
             0.0542492479 0.0000000 0.066666667
                                                         0.0196129297
             0.0542492479 0.0000000 0.066666667
## 28090
                                                         0.0196129297
## 28091
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28092
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28093
                                                         0.0008123564
                                                         0.0008123564
## 28094
             0.0076513061 0.0000000 0.003115265
## 28095
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28096
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28097
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28098
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28099
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28100
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28101
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28102
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28103
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28104
                                                         0.0008123564
## 28105
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28106
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28107
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28108
                                                         0.0008123564
## 28109
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28110
                                                         0.0008123564
## 28111
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28112
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28113
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28114
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28115
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28116
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28117
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28118
                                                         0.0008123564
## 28119
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28120
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28121
                                                         0.0008123564
## 28122
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28123
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
## 28124
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28125
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28126
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28127
                                                         0.0008123564
## 28128
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28129
                                                         0.0008123564
## 28130
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28131
                                                         0.0008123564
```

```
## 28132
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28133
                                                         0.0008123564
## 28134
             0.0076513061 0.0000000 0.003115265
                                                         0.0008123564
             0.0076513061 0.0000000 0.003115265
## 28135
                                                         0.0008123564
## 28136
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
## 28137
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28138
                                                         0.0008844202
## 28139
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28140
                                                         0.0008844202
## 28141
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
## 28142
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28143
                                                         0.0008844202
                                                         0.0008844202
## 28144
             0.0034102576 0.0000000 0.003738318
## 28145
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28146
                                                         0.0008844202
## 28147
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
## 28148
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28149
                                                         0.0008844202
## 28150
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
## 28151
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
## 28152
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
## 28153
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28154
                                                         0.0008844202
## 28155
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
## 28156
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
## 28157
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28158
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28159
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28160
                                                         0.0008844202
## 28161
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28162
                                                         0.0008844202
## 28163
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
## 28164
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
             0.0034102576 0.0000000 0.003738318
## 28165
                                                         0.0008844202
## 28166
             0.0034102576 0.0000000 0.003738318
                                                         0.0008844202
## 28167
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
             0.0646737759 0.0000000 0.234890966
## 28168
                                                         0.1384963076
## 28169
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28170
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
             0.0646737759 0.0000000 0.234890966
## 28171
                                                         0.1384963076
## 28172
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28173
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28174
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28175
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
             0.0646737759 0.0000000 0.234890966
## 28176
                                                         0.1384963076
## 28177
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28178
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
             0.0646737759 0.0000000 0.234890966
## 28179
                                                         0.1384963076
## 28180
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
             0.0646737759 0.0000000 0.234890966
## 28181
                                                         0.1384963076
```

```
## 28182
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28183
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28184
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
             0.0646737759 0.0000000 0.234890966
## 28185
                                                         0.1384963076
## 28186
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28187
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28188
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28189
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28190
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28191
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28192
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28193
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
                                                         0.1384963076
## 28194
             0.0646737759 0.0000000 0.234890966
## 28195
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28196
## 28197
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28198
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28199
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
## 28200
             0.0646737759 0.0000000 0.234890966
                                                         0.1384963076
             0.0027392926 0.0000000 0.001246106
## 28201
                                                         0.0010154455
## 28202
             0.0027392926 0.0000000 0.001246106
                                                         0.0010154455
## 28203
             0.0027392926 0.0000000 0.001246106
                                                         0.0010154455
             0.0027392926 0.0000000 0.001246106
## 28204
                                                         0.0010154455
## 28205
             0.0027392926 0.0000000 0.001246106
                                                         0.0010154455
## 28206
             0.0027392926 0.0000000 0.001246106
                                                         0.0010154455
## 28207
             0.0027392926 0.0000000 0.001246106
                                                         0.0010154455
             0.0027392926 0.0000000 0.001246106
## 28208
                                                         0.0010154455
             0.0027392926 0.0000000 0.001246106
## 28209
                                                         0.0010154455
             0.0241260113 0.0000000 0.028660436
## 28210
                                                         0.0034402592
## 28211
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
## 28212
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
## 28213
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
## 28214
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28215
                                                         0.0034402592
## 28216
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
## 28217
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28218
                                                         0.0034402592
## 28219
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28220
                                                         0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28221
                                                         0.0034402592
## 28222
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
## 28223
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
## 28224
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
## 28225
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28226
                                                         0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28227
                                                         0.0034402592
## 28228
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28229
                                                         0.0034402592
## 28230
             0.0241260113 0.0000000 0.028660436
                                                         0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28231
                                                         0.0034402592
```

```
## 28232
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28233
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28234
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28235
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28236
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28237
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28238
                                                        0.0034402592
## 28239
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28240
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28241
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28242
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28243
                                                        0.0034402592
## 28244
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28245
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28246
## 28247
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28248
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28249
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28250
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28251
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28252
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28253
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28254
                                                        0.0034402592
## 28255
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28256
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28257
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28258
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28259
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28260
                                                        0.0034402592
## 28261
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28262
                                                        0.0034402592
## 28263
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28264
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28265
                                                        0.0034402592
## 28266
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28267
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28268
                                                        0.0034402592
## 28269
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28270
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28271
                                                        0.0034402592
## 28272
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28273
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28274
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28275
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28276
                                                        0.0034402592
## 28277
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28278
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28279
                                                        0.0034402592
## 28280
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28281
                                                        0.0034402592
```

```
## 28282
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28283
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28284
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28285
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28286
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28287
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
## 28288
                                                        0.0034402592
## 28289
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28290
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28291
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28292
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28293
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28294
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28295
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
             0.0241260113 0.0000000 0.028660436
                                                        0.0034402592
## 28296
## 28297
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28298
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28299
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28300
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28301
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28302
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28303
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28304
                                                        0.0254771434
## 28305
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28306
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28307
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28308
                                                        0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28309
                                                        0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28310
                                                        0.0254771434
## 28311
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28312
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28313
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28314
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28315
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28316
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28317
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28318
                                                        0.0254771434
## 28319
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28320
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28321
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28322
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28323
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
## 28324
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28325
                                                        0.0254771434
## 28326
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28327
                                                        0.0254771434
## 28328
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28329
                                                        0.0254771434
## 28330
             0.0220324626 0.0000000 0.065420561
                                                        0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28331
                                                        0.0254771434
```

```
## 28332
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
## 28333
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
## 28334
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28335
                                                         0.0254771434
## 28336
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
## 28337
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
## 28338
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
## 28339
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28340
                                                         0.0254771434
## 28341
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
## 28342
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28343
                                                         0.0254771434
## 28344
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
## 28345
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
             0.0220324626 0.0000000 0.065420561
## 28346
                                                         0.0254771434
## 28347
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
## 28348
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
## 28349
             0.0220324626 0.0000000 0.065420561
                                                         0.0254771434
## 28350
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28351
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28352
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28353
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28354
                                                         0.0049649425
## 28355
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28356
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28357
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28358
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28359
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28360
                                                         0.0049649425
## 28361
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28362
                                                         0.0049649425
## 28363
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28364
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28365
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28366
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28367
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28368
## 28369
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28370
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28371
                                                         0.0049649425
## 28372
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28373
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28374
                                                         0.0049649425
## 28375
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28376
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28377
                                                         0.0049649425
## 28378
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28379
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28380
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28381
                                                         0.0049649425
```

```
## 28382
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28383
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28384
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28385
                                                         0.0049649425
## 28386
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28387
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28388
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28389
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28390
                                                         0.0049649425
## 28391
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28392
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28393
                                                         0.0049649425
## 28394
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28395
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28396
                                                         0.0049649425
## 28397
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28398
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28399
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
## 28400
             0.0053052790 0.0000000 0.008722741
                                                         0.0049649425
             0.0053052790 0.0000000 0.008722741
## 28401
                                                         0.0049649425
## 28402
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28403
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28404
                                                         0.0002343336
## 28405
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28406
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28407
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28408
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28409
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28410
                                                         0.0002343336
## 28411
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28412
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28413
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28414
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28415
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28416
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28417
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28418
                                                         0.0002343336
## 28419
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28420
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28421
                                                         0.0002343336
## 28422
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28423
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28424
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28425
                                                         0.0002343336
## 28426
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28427
                                                         0.0002343336
## 28428
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28429
                                                         0.0002343336
## 28430
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28431
                                                         0.0002343336
```

```
## 28432
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28433
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28434
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
             0.0008062917 0.0000000 0.000623053
## 28435
                                                         0.0002343336
## 28436
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28437
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28438
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28439
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28440
             0.0008062917 0.0000000 0.000623053
                                                         0.0002343336
## 28441
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28442
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28443
                                                         0.0735000499
## 28444
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28445
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28446
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28447
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28448
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28449
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28450
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28451
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28452
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28453
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28454
                                                         0.0735000499
## 28455
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28456
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28457
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28458
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28459
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28460
                                                         0.0735000499
## 28461
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28462
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28463
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28464
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28465
                                                         0.0735000499
## 28466
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28467
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28468
                                                         0.0735000499
## 28469
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28470
                                                         0.0735000499
## 28471
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28472
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28473
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28474
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28475
                                                         0.0735000499
## 28476
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28477
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28478
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28479
                                                         0.0735000499
## 28480
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28481
                                                         0.0735000499
```

```
## 28482
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28483
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28484
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28485
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28486
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28487
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28488
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28489
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
             0.4087726885 0.0000000 0.514641745
## 28490
                                                         0.0735000499
## 28491
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28492
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28493
             0.4087726885 0.0000000 0.514641745
                                                         0.0735000499
## 28494
             0.8971704560 0.0000000 0.582554517
                                                         0.9813011063
## 28495
             0.8971704560 0.0000000 0.582554517
                                                         0.9813011063
## 28496
             0.8971704560 0.0000000 0.582554517
                                                         0.9813011063
## 28497
             0.8971704560 0.0000000 0.582554517
                                                         0.9813011063
## 28498
             0.8971704560 0.0000000 0.582554517
                                                         0.9813011063
## 28499
             0.8971704560 0.0000000 0.582554517
                                                         0.9813011063
## 28500
             0.0799975263 0.0000000 0.047975078
                                                         0.0523735524
## 28501
             0.0799975263 0.0000000 0.047975078
                                                         0.0523735524
## 28502
             0.0799975263 0.0000000 0.047975078
                                                         0.0523735524
## 28503
             0.0799975263 0.0000000 0.047975078
                                                         0.0523735524
             0.0799975263 0.0000000 0.047975078
## 28504
                                                         0.0523735524
## 28505
             0.0799975263 0.0000000 0.047975078
                                                         0.0523735524
## 28506
             0.0799975263 0.0000000 0.047975078
                                                         0.0523735524
## 28507
             0.0799975263 0.0000000 0.047975078
                                                         0.0523735524
## 28508
             0.0799975263 0.0000000 0.047975078
                                                         0.0523735524
             0.0799975263 0.0000000 0.047975078
## 28509
                                                         0.0523735524
             0.0799975263 0.0000000 0.047975078
## 28510
                                                         0.0523735524
## 28511
             0.0799975263 0.0000000 0.047975078
                                                         0.0523735524
## 28512
             0.0799975263 0.0000000 0.047975078
                                                         0.0523735524
## 28513
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28514
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28515
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28516
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28517
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28518
                                                         0.0166962667
## 28519
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28520
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28521
                                                         0.0166962667
## 28522
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28523
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28524
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28525
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28526
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28527
                                                         0.0166962667
## 28528
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28529
                                                         0.0166962667
## 28530
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28531
                                                         0.0166962667
```

```
## 28532
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28533
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28534
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28535
                                                         0.0166962667
                                                         0.0166962667
## 28536
             0.0365401576 0.0000000 0.082242991
## 28537
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28538
                                                         0.0166962667
## 28539
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28540
                                                         0.0166962667
## 28541
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28542
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28543
                                                         0.0166962667
## 28544
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28545
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28546
                                                         0.0166962667
## 28547
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28548
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28549
                                                         0.0166962667
## 28550
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28551
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28552
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28553
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28554
                                                         0.0166962667
## 28555
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28556
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28557
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28558
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28559
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28560
                                                         0.0166962667
## 28561
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28562
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28563
                                                         0.0166962667
## 28564
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28565
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28566
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28567
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28568
                                                         0.0166962667
## 28569
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28570
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28571
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28572
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28573
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28574
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28575
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28576
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28577
                                                         0.0166962667
## 28578
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28579
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28580
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28581
                                                         0.0166962667
```

```
## 28582
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28583
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28584
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28585
                                                         0.0166962667
## 28586
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28587
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28588
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28589
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28590
                                                         0.0166962667
## 28591
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28592
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28593
                                                         0.0166962667
## 28594
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28595
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28596
                                                         0.0166962667
## 28597
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28598
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28599
                                                         0.0166962667
## 28600
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28601
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28602
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28603
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28604
                                                         0.0166962667
## 28605
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28606
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28607
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28608
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28609
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28610
                                                         0.0166962667
## 28611
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28612
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28613
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28614
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28615
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28616
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28617
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28618
                                                         0.0166962667
## 28619
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28620
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28621
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28622
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28623
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28624
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28625
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28626
                                                         0.0166962667
## 28627
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28628
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28629
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28630
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28631
                                                         0.0166962667
```

```
## 28632
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28633
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28634
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28635
                                                         0.0166962667
## 28636
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28637
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28638
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28639
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28640
                                                         0.0166962667
## 28641
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28642
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28643
                                                         0.0166962667
## 28644
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28645
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28646
                                                         0.0166962667
## 28647
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28648
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28649
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28650
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28651
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28652
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28653
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28654
                                                         0.0166962667
## 28655
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28656
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28657
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28658
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28659
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
## 28660
                                                         0.0166962667
## 28661
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28662
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28663
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28664
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28665
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28666
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28667
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
             0.0365401576 0.0000000 0.082242991
                                                         0.0166962667
## 28668
## 28669
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28670
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28671
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28672
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28673
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28674
                                                         0.0003442777
## 28675
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28676
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28677
                                                         0.0003442777
## 28678
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28679
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28680
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28681
                                                         0.0003442777
```

```
## 28682
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28683
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28684
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28685
                                                         0.0003442777
## 28686
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28687
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28688
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28689
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28690
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28691
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28692
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28693
                                                         0.0003442777
                                                         0.0003442777
## 28694
             0.0011857979 0.0000000 0.001246106
## 28695
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28696
                                                         0.0003442777
## 28697
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28698
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28699
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28700
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28701
                                                         0.0003442777
## 28702
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28703
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28704
                                                         0.0003442777
## 28705
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28706
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28707
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28708
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28709
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28710
                                                         0.0003442777
## 28711
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28712
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28713
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28714
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28715
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28716
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28717
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28718
                                                         0.0003442777
## 28719
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28720
                                                         0.0003442777
## 28721
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28722
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28723
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28724
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28725
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28726
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28727
                                                         0.0003442777
## 28728
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28729
                                                         0.0003442777
## 28730
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28731
                                                         0.0003442777
```

```
## 28732
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28733
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28734
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28735
                                                         0.0003442777
## 28736
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28737
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
                                                         0.0003442777
## 28738
             0.0011857979 0.0000000 0.001246106
## 28739
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
             0.0011857979 0.0000000 0.001246106
## 28740
                                                         0.0003442777
## 28741
             0.0011857979 0.0000000 0.001246106
                                                         0.0003442777
## 28742
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
             0.1563296742 0.0000000 0.138317757
## 28743
                                                         0.0997065897
## 28744
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28745
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28746
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28747
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28748
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28749
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28750
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28751
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28752
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28753
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
             0.1563296742 0.0000000 0.138317757
## 28754
                                                         0.0997065897
## 28755
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28756
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28757
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
             0.1563296742 0.0000000 0.138317757
## 28758
                                                         0.0997065897
             0.1563296742 0.0000000 0.138317757
## 28759
                                                         0.0997065897
             0.1563296742 0.0000000 0.138317757
## 28760
                                                         0.0997065897
## 28761
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28762
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28763
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28764
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28765
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28766
             0.1563296742 0.0000000 0.138317757
                                                         0.0997065897
## 28767
             0.0000000000 0.0000000 0.000000000
                                                         0.000000000
             0.000000000 0.0000000 0.000000000
                                                         0.0000000000
## 28768
## 28769
             0.000000000 0.0000000 0.000000000
                                                         0.0000000000
## 28770
             0.000000000 0.0000000 0.000000000
                                                         0.0000000000
## 28771
             0.000000000 0.0000000 0.000000000
                                                         0.0000000000
## 28772
             0.0000000000 0.0000000 0.000000000
                                                         0.0000000000
## 28773
             0.000000000 0.0000000 0.000000000
                                                         0.0000000000
## 28774
             0.0000000000 0.0000000 0.000000000
                                                         0.0000000000
## 28775
             0.0000000000 0.0000000 0.000000000
                                                         0.0000000000
             0.0000000000 0.0000000 0.000000000
## 28776
                                                         0.000000000
## 28777
             0.000000000 0.0000000 0.000000000
                                                         0.000000000
## 28778
             0.000000000 0.0000000 0.000000000
                                                         0.0000000000
## 28779
             0.000000000 0.0000000 0.000000000
                                                         0.0000000000
## 28780
             0.0000000000 0.0000000 0.000000000
                                                         0.0000000000
             0.2123755782 0.0000000 0.240498442
## 28781
                                                         0.2185746352
```

```
## 28782
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
             0.2123755782 0.0000000 0.240498442
## 28783
                                                         0.2185746352
## 28784
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
             0.2123755782 0.0000000 0.240498442
## 28785
                                                         0.2185746352
## 28786
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
## 28787
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
## 28788
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
## 28789
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
             0.2123755782 0.0000000 0.240498442
## 28790
                                                         0.2185746352
## 28791
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
## 28792
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
             0.2123755782 0.0000000 0.240498442
## 28793
                                                         0.2185746352
                                                         0.2185746352
## 28794
             0.2123755782 0.0000000 0.240498442
## 28795
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
## 28796
## 28797
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
## 28798
             0.2123755782 0.0000000 0.240498442
                                                         0.2185746352
## 28799
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28800
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28801
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28802
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28803
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
             0.2147763026 0.0000000 0.271651090
## 28804
                                                         0.1512090603
## 28805
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28806
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28807
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
             0.2147763026 0.0000000 0.271651090
## 28808
                                                         0.1512090603
             0.2147763026 0.0000000 0.271651090
## 28809
                                                         0.1512090603
             0.2147763026 0.0000000 0.271651090
## 28810
                                                         0.1512090603
## 28811
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28812
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28813
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28814
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28815
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28816
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28817
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
             0.2147763026 0.0000000 0.271651090
## 28818
                                                         0.1512090603
## 28819
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
## 28820
             0.2147763026 0.0000000 0.271651090
                                                         0.1512090603
             0.0213357300 0.0000000 0.145794393
## 28821
                                                         0.1647877585
## 28822
             0.0213357300 0.0000000 0.145794393
                                                         0.1647877585
## 28823
             0.0213357300 0.0000000 0.145794393
                                                         0.1647877585
## 28824
             0.0213357300 0.0000000 0.145794393
                                                         0.1647877585
             0.0213357300 0.0000000 0.145794393
## 28825
                                                         0.1647877585
## 28826
             0.0213357300 0.0000000 0.145794393
                                                         0.1647877585
## 28827
             0.0213357300 0.0000000 0.145794393
                                                         0.1647877585
## 28828
             0.0213357300 0.0000000 0.145794393
                                                         0.1647877585
             0.0225884011 0.0000000 0.064174455
## 28829
                                                         0.0676286676
## 28830
             0.0225884011 0.0000000 0.064174455
                                                         0.0676286676
             0.0225884011 0.0000000 0.064174455
## 28831
                                                         0.0676286676
```

```
## 28832
             0.0225884011 0.0000000 0.064174455
                                                         0.0676286676
## 28833
             0.0225884011 0.0000000 0.064174455
                                                         0.0676286676
## 28834
             0.0225884011 0.0000000 0.064174455
                                                         0.0676286676
             0.0225884011 0.0000000 0.064174455
## 28835
                                                         0.0676286676
## 28836
             0.0225884011 0.0000000 0.064174455
                                                         0.0676286676
## 28837
             0.0225884011 0.0000000 0.064174455
                                                         0.0676286676
## 28838
             0.0225884011 0.0000000 0.064174455
                                                         0.0676286676
## 28839
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28840
                                                         0.0053310887
## 28841
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28842
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28843
                                                         0.0053310887
## 28844
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28845
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28846
                                                         0.0053310887
## 28847
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28848
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28849
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28850
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28851
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28852
                                                         0.0053310887
## 28853
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28854
                                                         0.0053310887
## 28855
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28856
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28857
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28858
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28859
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28860
                                                         0.0053310887
## 28861
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28862
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28863
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28864
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28865
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28866
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28867
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28868
                                                         0.0053310887
## 28869
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28870
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28871
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28872
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28873
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
## 28874
             0.0098626266 0.0000000 0.014330218
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28875
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28876
                                                         0.0053310887
             0.0098626266 0.0000000 0.014330218
## 28877
                                                         0.0053310887
## 28878
             0.0072223321 0.0000000 0.120872274
                                                         0.1387987013
             0.0072223321 0.0000000 0.120872274
## 28879
                                                         0.1387987013
## 28880
             0.0072223321 0.0000000 0.120872274
                                                         0.1387987013
             0.0072223321 0.0000000 0.120872274
## 28881
                                                         0.1387987013
```

```
## 28882
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28883
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28884
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28885
                                                        0.0252525253
## 28886
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28887
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28888
                                                        0.0252525253
## 28889
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28890
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28891
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28892
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28893
                                                        0.0252525253
## 28894
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28895
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28896
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28897
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28898
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28899
                                                        0.0252525253
## 28900
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28901
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28902
                                                        0.0252525253
## 28903
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28904
                                                        0.0252525253
## 28905
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28906
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28907
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28908
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28909
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28910
                                                        0.0252525253
## 28911
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28912
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28913
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28914
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28915
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28916
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28917
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28918
                                                        0.0252525253
## 28919
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28920
                                                        0.0252525253
## 28921
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28922
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28923
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28924
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28925
                                                        0.0252525253
## 28926
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28927
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
## 28928
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28929
                                                        0.0252525253
## 28930
             0.1695586486 0.0000000 0.387538941
                                                        0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28931
                                                        0.0252525253
```

```
## 28932
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28933
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28934
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28935
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28936
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28937
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28938
                                                         0.0252525253
## 28939
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28940
                                                         0.0252525253
## 28941
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28942
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28943
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28944
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28945
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28946
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28947
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28948
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28949
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28950
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28951
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28952
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28953
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
             0.1695586486 0.0000000 0.387538941
## 28954
                                                         0.0252525253
## 28955
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28956
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
## 28957
             0.1695586486 0.0000000 0.387538941
                                                         0.0252525253
             0.0743866641 0.0000000 0.149532710
## 28958
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 28959
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 28960
                                                         0.0499744230
## 28961
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28962
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28963
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28964
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28965
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28966
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28967
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 28968
                                                         0.0499744230
## 28969
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 28970
                                                         0.0499744230
## 28971
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28972
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28973
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28974
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 28975
                                                         0.0499744230
## 28976
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 28977
                                                         0.0499744230
## 28978
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 28979
                                                         0.0499744230
## 28980
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 28981
                                                         0.0499744230
```

```
## 28982
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28983
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28984
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28985
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28986
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28987
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28988
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28989
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 28990
                                                         0.0499744230
## 28991
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28992
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28993
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
                                                         0.0499744230
## 28994
             0.0743866641 0.0000000 0.149532710
## 28995
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28996
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28997
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28998
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 28999
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29000
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29001
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29002
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29003
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29004
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29005
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29006
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29007
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29008
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 29009
                                                         0.0499744230
## 29010
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29011
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29012
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29013
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29014
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29015
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29016
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29017
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
             0.0743866641 0.0000000 0.149532710
## 29018
                                                         0.0499744230
## 29019
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29020
             0.0743866641 0.0000000 0.149532710
                                                         0.0499744230
## 29021
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29022
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29023
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29024
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29025
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
             0.3871454112 0.0000000 0.261682243
## 29026
                                                         0.0862493987
             0.3871454112 0.0000000 0.261682243
## 29027
                                                         0.0862493987
## 29028
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
             0.3871454112 0.0000000 0.261682243
## 29029
                                                         0.0862493987
## 29030
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
             0.3871454112 0.0000000 0.261682243
## 29031
                                                         0.0862493987
```

```
## 29032
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
             0.3871454112 0.0000000 0.261682243
## 29033
                                                         0.0862493987
## 29034
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29035
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29036
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29037
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29038
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29039
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29040
             0.3871454112 0.0000000 0.261682243
                                                         0.0862493987
## 29041
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29042
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29043
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29044
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29045
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29046
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29047
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29048
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29049
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29050
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29051
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29052
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29053
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29054
                                                         0.0063187680
## 29055
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29056
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29057
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29058
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29059
                                                         0.0063187680
## 29060
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29061
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29062
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29063
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29064
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29065
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29066
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29067
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29068
                                                         0.0063187680
## 29069
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29070
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29071
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29072
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29073
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29074
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29075
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29076
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29077
                                                         0.0063187680
## 29078
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29079
                                                         0.0063187680
## 29080
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29081
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
```

```
## 29082
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29083
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29084
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29085
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29086
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29087
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29088
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29089
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29090
                                                         0.0063187680
## 29091
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29092
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29093
                                                         0.0063187680
## 29094
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29095
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29096
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29097
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29098
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29099
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29100
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29101
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29102
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29103
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29104
                                                         0.0063187680
## 29105
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29106
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29107
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29108
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29109
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29110
## 29111
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29112
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29113
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29114
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29115
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29116
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29117
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29118
## 29119
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29120
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29121
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29122
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29123
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29124
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29125
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29126
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29127
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29128
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29129
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29130
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29131
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
```

```
## 29132
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29133
                                                         0.0063187680
## 29134
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29135
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29136
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29137
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29138
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29139
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29140
                                                         0.0063187680
## 29141
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29142
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29143
                                                         0.0063187680
## 29144
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29145
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29146
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29147
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29148
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29149
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29150
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29151
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29152
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29153
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29154
                                                         0.0063187680
## 29155
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29156
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29157
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29158
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29159
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29160
                                                         0.0063187680
## 29161
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29162
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29163
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29164
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29165
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29166
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
## 29167
             0.0092575463 0.0000000 0.026791277
                                                         0.0063187680
             0.0092575463 0.0000000 0.026791277
## 29168
                                                         0.0063187680
## 29169
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29170
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29171
                                                         0.0280039363
## 29172
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29173
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29174
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29175
                                                         0.0280039363
## 29176
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29177
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29178
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29179
                                                         0.0280039363
## 29180
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29181
                                                         0.0280039363
```

```
## 29182
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29183
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29184
                                                         0.0280039363
## 29185
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29186
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29187
                                                         0.0280039363
                                                         0.0280039363
## 29188
             0.0556118552 0.0000000 0.213707165
## 29189
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29190
                                                         0.0280039363
## 29191
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29192
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29193
                                                         0.0280039363
## 29194
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29195
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29196
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29197
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29198
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29199
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29200
                                                         0.0280039363
## 29201
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29202
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29203
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29204
                                                         0.0280039363
## 29205
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29206
                                                         0.0280039363
## 29207
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29208
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29209
                                                         0.0280039363
## 29210
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29211
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29212
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29213
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29214
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29215
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29216
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29217
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29218
                                                         0.0280039363
## 29219
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29220
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29221
                                                         0.0280039363
## 29222
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29223
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29224
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29225
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29226
                                                         0.0280039363
## 29227
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29228
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29229
                                                         0.0280039363
## 29230
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29231
                                                         0.0280039363
```

```
## 29232
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29233
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29234
                                                         0.0280039363
## 29235
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29236
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29237
                                                         0.0280039363
                                                         0.0280039363
## 29238
             0.0556118552 0.0000000 0.213707165
## 29239
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29240
                                                         0.0280039363
## 29241
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29242
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29243
                                                         0.0280039363
## 29244
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29245
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29246
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29247
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29248
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29249
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29250
                                                         0.0280039363
## 29251
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29252
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29253
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29254
                                                         0.0280039363
## 29255
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29256
                                                         0.0280039363
## 29257
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29258
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29259
                                                         0.0280039363
## 29260
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29261
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29262
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29263
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29264
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29265
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29266
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29267
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29268
                                                         0.0280039363
## 29269
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29270
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29271
                                                         0.0280039363
## 29272
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29273
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29274
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29275
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29276
                                                         0.0280039363
## 29277
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29278
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29279
                                                         0.0280039363
## 29280
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29281
                                                         0.0280039363
```

```
## 29282
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29283
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29284
                                                         0.0280039363
## 29285
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29286
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29287
                                                         0.0280039363
## 29288
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29289
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29290
                                                         0.0280039363
## 29291
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29292
                                                         0.0280039363
## 29293
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29294
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29295
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29296
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29297
                                                         0.0280039363
## 29298
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29299
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29300
                                                         0.0280039363
## 29301
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29302
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29303
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29304
                                                         0.0280039363
## 29305
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29306
                                                         0.0280039363
## 29307
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29308
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29309
                                                         0.0280039363
## 29310
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29311
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29312
                                                         0.0280039363
## 29313
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29314
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29315
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29316
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29317
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29318
                                                         0.0280039363
## 29319
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29320
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29321
                                                         0.0280039363
## 29322
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29323
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29324
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29325
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29326
                                                         0.0280039363
## 29327
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29328
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29329
                                                         0.0280039363
## 29330
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29331
                                                         0.0280039363
```

```
## 29332
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29333
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29334
                                                         0.0280039363
## 29335
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29336
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29337
                                                         0.0280039363
                                                         0.0280039363
## 29338
             0.0556118552 0.0000000 0.213707165
## 29339
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29340
                                                         0.0280039363
## 29341
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29342
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29343
                                                         0.0280039363
## 29344
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29345
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29346
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29347
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29348
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29349
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29350
                                                         0.0280039363
## 29351
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29352
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29353
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29354
                                                         0.0280039363
## 29355
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29356
                                                         0.0280039363
## 29357
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29358
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29359
                                                         0.0280039363
## 29360
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29361
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29362
                                                         0.0280039363
## 29363
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29364
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29365
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29366
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29367
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29368
                                                         0.0280039363
## 29369
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29370
                                                         0.0280039363
## 29371
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29372
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29373
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29374
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29375
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29376
                                                         0.0280039363
## 29377
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29378
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29379
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29380
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.0556118552 0.0000000 0.213707165
## 29381
                                                         0.0280039363
```

```
## 29382
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29383
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29384
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29385
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
## 29386
             0.0556118552 0.0000000 0.213707165
                                                         0.0280039363
             0.6081583237 0.0000000 0.750155763
## 29387
                                                         0.5501683502
## 29388
             0.6081583237 0.0000000 0.750155763
                                                         0.5501683502
## 29389
             0.6081583237 0.0000000 0.750155763
                                                         0.5501683502
             0.6081583237 0.0000000 0.750155763
## 29390
                                                         0.5501683502
## 29391
             0.6081583237 0.0000000 0.750155763
                                                         0.5501683502
## 29392
             0.2068708030 0.0000000 0.449221184
                                                         0.2122281011
## 29393
             0.2068708030 0.0000000 0.449221184
                                                         0.2122281011
## 29394
             0.2068708030 0.0000000 0.449221184
                                                         0.2122281011
## 29395
             0.2068708030 0.0000000 0.449221184
                                                         0.2122281011
## 29396
             0.2068708030 0.0000000 0.449221184
                                                         0.2122281011
## 29397
             0.2068708030 0.0000000 0.449221184
                                                         0.2122281011
## 29398
             0.2068708030 0.0000000 0.449221184
                                                         0.2122281011
## 29399
             0.2068708030 0.0000000 0.449221184
                                                         0.2122281011
## 29400
             0.2068708030 0.0000000 0.449221184
                                                         0.2122281011
             0.1373890125 0.0000000 0.069158879
## 29401
                                                         0.0261435589
## 29402
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29403
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29404
                                                         0.0261435589
## 29405
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29406
                                                         0.0261435589
## 29407
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29408
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29409
                                                         0.0261435589
## 29410
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29411
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29412
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29413
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29414
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29415
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29416
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29417
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29418
                                                         0.0261435589
## 29419
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29420
                                                         0.0261435589
## 29421
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29422
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29423
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29424
                                                         0.0261435589
## 29425
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29426
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29427
                                                         0.0261435589
## 29428
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29429
                                                         0.0261435589
## 29430
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29431
                                                         0.0261435589
```

```
## 29432
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29433
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29434
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29435
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29436
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29437
                                                         0.0261435589
                                                         0.0261435589
## 29438
             0.1373890125 0.0000000 0.069158879
## 29439
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29440
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29441
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29442
                                                         0.0261435589
## 29443
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29444
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29445
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29446
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29447
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29448
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29449
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29450
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29451
                                                         0.0261435589
## 29452
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29453
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29454
                                                         0.0261435589
## 29455
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29456
                                                         0.0261435589
## 29457
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29458
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
             0.1373890125 0.0000000 0.069158879
## 29459
                                                         0.0261435589
## 29460
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29461
             0.1373890125 0.0000000 0.069158879
                                                         0.0261435589
## 29462
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29463
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29464
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
             0.0014807480 0.0000000 0.001869159
## 29465
                                                         0.0004283911
## 29466
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29467
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
             0.0014807480 0.0000000 0.001869159
## 29468
                                                         0.0004283911
## 29469
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
             0.0014807480 0.0000000 0.001869159
## 29470
                                                         0.0004283911
## 29471
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29472
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29473
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
                                                         0.0004283911
## 29474
             0.0014807480 0.0000000 0.001869159
## 29475
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29476
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29477
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29478
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
             0.0014807480 0.0000000 0.001869159
## 29479
                                                         0.0004283911
## 29480
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
             0.0014807480 0.0000000 0.001869159
## 29481
                                                         0.0004283911
```

```
## 29482
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29483
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29484
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29485
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29486
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29487
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29488
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29489
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29490
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29491
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29492
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29493
             0.0014807480 0.0000000 0.001869159
                                                         0.0004283911
## 29494
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29495
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29496
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29497
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29498
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29499
                                                         0.1286828004
## 29500
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29501
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29502
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29503
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29504
                                                         0.1286828004
## 29505
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29506
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29507
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29508
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29509
                                                         0.1286828004
## 29510
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29511
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29512
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29513
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29514
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29515
                                                         0.1286828004
## 29516
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29517
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29518
                                                         0.1286828004
## 29519
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29520
                                                         0.1286828004
## 29521
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29522
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29523
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29524
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29525
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29526
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29527
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29528
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29529
                                                         0.1286828004
## 29530
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29531
                                                         0.1286828004
```

```
0.2561459876 0.0000000 0.768847352
## 29532
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29533
                                                        0.1286828004
## 29534
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29535
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29536
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29537
                                                        0.1286828004
## 29538
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29539
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29540
                                                        0.1286828004
## 29541
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29542
                                                        0.1286828004
## 29543
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
                                                        0.1286828004
## 29544
             0.2561459876 0.0000000 0.768847352
## 29545
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29546
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29547
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29548
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29549
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29550
                                                        0.1286828004
## 29551
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29552
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29553
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29554
                                                        0.1286828004
## 29555
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29556
                                                        0.1286828004
## 29557
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29558
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29559
                                                        0.1286828004
## 29560
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29561
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29562
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29563
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29564
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29565
                                                        0.1286828004
## 29566
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29567
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29568
                                                        0.1286828004
## 29569
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29570
                                                        0.1286828004
## 29571
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29572
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29573
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29574
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29575
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29576
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29577
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29578
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29579
                                                        0.1286828004
## 29580
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29581
                                                        0.1286828004
```

```
0.2561459876 0.0000000 0.768847352
## 29582
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29583
                                                        0.1286828004
## 29584
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29585
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29586
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29587
                                                        0.1286828004
## 29588
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29589
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29590
                                                        0.1286828004
## 29591
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29592
                                                        0.1286828004
## 29593
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29594
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29595
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29596
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29597
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29598
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29599
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29600
                                                        0.1286828004
## 29601
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29602
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29603
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29604
                                                        0.1286828004
## 29605
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29606
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29607
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29608
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29609
                                                        0.1286828004
## 29610
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29611
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29612
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29613
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29614
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29615
                                                        0.1286828004
## 29616
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29617
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29618
                                                        0.1286828004
## 29619
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29620
                                                        0.1286828004
## 29621
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29622
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29623
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29624
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29625
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29626
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29627
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29628
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29629
                                                        0.1286828004
## 29630
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29631
                                                        0.1286828004
```

```
0.2561459876 0.0000000 0.768847352
## 29632
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29633
                                                        0.1286828004
## 29634
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29635
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29636
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29637
                                                        0.1286828004
## 29638
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29639
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29640
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29641
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29642
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29643
                                                        0.1286828004
## 29644
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29645
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29646
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29647
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29648
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29649
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29650
                                                        0.1286828004
## 29651
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29652
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29653
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29654
                                                        0.1286828004
## 29655
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29656
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29657
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29658
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29659
                                                        0.1286828004
## 29660
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29661
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29662
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29663
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29664
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29665
                                                        0.1286828004
## 29666
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29667
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29668
                                                        0.1286828004
## 29669
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29670
                                                        0.1286828004
## 29671
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29672
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29673
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29674
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29675
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29676
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29677
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
## 29678
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29679
                                                        0.1286828004
## 29680
             0.2561459876 0.0000000 0.768847352
                                                        0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29681
                                                        0.1286828004
```

```
0.2561459876 0.0000000 0.768847352
## 29682
                                                         0.1286828004
## 29683
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29684
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29685
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29686
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29687
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29688
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29689
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29690
                                                         0.1286828004
## 29691
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29692
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29693
                                                         0.1286828004
                                                         0.1286828004
## 29694
             0.2561459876 0.0000000 0.768847352
## 29695
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29696
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29697
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29698
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29699
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29700
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29701
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29702
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29703
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.2561459876 0.0000000 0.768847352
## 29704
                                                         0.1286828004
## 29705
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29706
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
## 29707
             0.2561459876 0.0000000 0.768847352
                                                         0.1286828004
             0.0674071676 0.0000000 0.109034268
## 29708
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29709
                                                         0.0310660562
## 29710
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29711
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29712
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29713
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29714
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29715
                                                         0.0310660562
## 29716
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29717
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29718
                                                         0.0310660562
## 29719
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29720
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29721
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29722
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29723
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29724
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29725
                                                         0.0310660562
## 29726
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29727
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29728
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29729
                                                         0.0310660562
## 29730
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29731
                                                         0.0310660562
```

```
## 29732
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29733
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29734
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29735
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29736
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29737
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29738
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29739
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29740
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29741
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29742
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29743
                                                         0.0310660562
## 29744
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29745
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29746
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29747
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29748
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29749
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29750
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29751
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29752
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29753
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29754
                                                         0.0310660562
## 29755
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29756
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29757
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29758
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29759
                                                         0.0310660562
## 29760
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29761
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29762
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29763
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29764
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29765
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29766
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29767
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29768
## 29769
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29770
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29771
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29772
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29773
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29774
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29775
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29776
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29777
                                                         0.0310660562
## 29778
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29779
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
## 29780
             0.0674071676 0.0000000 0.109034268
                                                         0.0310660562
             0.0674071676 0.0000000 0.109034268
## 29781
                                                         0.0310660562
```

```
## 29782
             0.0674071676 0.0000000 0.109034268
                                                        0.0310660562
## 29783
             0.0674071676 0.0000000 0.109034268
                                                        0.0310660562
## 29784
             0.0674071676 0.0000000 0.109034268
                                                        0.0310660562
## 29785
             0.0674071676 0.0000000 0.109034268
                                                        0.0310660562
## 29786
             0.0674071676 0.0000000 0.109034268
                                                        0.0310660562
## 29787
             0.0674071676 0.0000000 0.109034268
                                                        0.0310660562
## 29788
             0.0674071676 0.0000000 0.109034268
                                                        0.0310660562
##
              X0.0.4 X8.50550186882253
                                              X0.0.5
                                                         X806.0.2
## 28004 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28005 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28006 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28007 0.002309469
## 28008 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28009 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28010 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28011 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28012 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28013 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28014 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28015 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28016 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28017 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28018 0.002309469
## 28019 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28020 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28021 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28022 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28023 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28024 0.002309469
## 28025 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28026 0.002309469
## 28027 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28028 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28029 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28030 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28031 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28032 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28033 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28034 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28035 0.002309469
## 28036 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28037 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28038 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28039 0.002309469
## 28040 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28041 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28042 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28043 0.002309469
## 28044 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28045 0.002309469
```

```
## 28046 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28047 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28048 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28049 0.002309469
## 28050 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28051 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28052 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28053 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28054 0.002309469
## 28055 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28056 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28057 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28058 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28059 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28060 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28061 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28062 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28063 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28064 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28065 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28066 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28067 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28068 0.002309469
## 28069 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28070 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28071 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28072 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28073 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28074 0.002309469
## 28075 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28076 0.002309469
## 28077 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28078 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28079 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28080 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28081 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28082 0.002309469
## 28083 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28084 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28085 0.002309469
## 28086 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28087 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28088 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
                          0.0317964051 0.0000000000 0.0718864469
## 28089 0.002309469
## 28090 0.002309469
                          0.0317964051 0.0000000000 0.0718864469
## 28091 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28092 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
                          0.0019814289 0.0000000000 0.0068681319
## 28093 0.000000000
## 28094 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
                          0.0019814289 0.0000000000 0.0068681319
## 28095 0.000000000
```

```
## 28096 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
                          0.0019814289 0.0000000000 0.0068681319
## 28097 0.000000000
## 28098 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
                          0.0019814289 0.0000000000 0.0068681319
## 28099 0.000000000
## 28100 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28101 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28102 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28103 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
                          0.0019814289 0.0000000000 0.0068681319
## 28104 0.000000000
## 28105 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
                          0.0019814289 0.0000000000 0.0068681319
## 28106 0.000000000
## 28107 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28108 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28109 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28110 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28111 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28112 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28113 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28114 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28115 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28116 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28117 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28118 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28119 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28120 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28121 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
                          0.0019814289 0.0000000000 0.0068681319
## 28122 0.000000000
## 28123 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28124 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28125 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
                          0.0019814289 0.0000000000 0.0068681319
## 28126 0.000000000
## 28127 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28128 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
                          0.0019814289 0.0000000000 0.0068681319
## 28129 0.000000000
## 28130 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28131 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28132 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28133 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
## 28134 0.000000000
                          0.0019814289 0.0000000000 0.0068681319
                          0.0019814289 0.0000000000 0.0068681319
## 28135 0.000000000
## 28136 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28137 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28138 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28139 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28140 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28141 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28142 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
                          0.0021643880 0.0000000000 0.0036630037
## 28143 0.000000000
## 28144 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28145 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
```

```
## 28146 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28147 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28148 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
                          0.0021643880 0.0000000000 0.0036630037
## 28149 0.000000000
## 28150 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28151 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28152 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28153 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28154 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28155 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28156 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28157 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28158 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28159 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28160 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28161 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28162 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28163 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28164 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28165 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28166 0.000000000
                          0.0021643880 0.0000000000 0.0036630037
## 28167 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
                          0.1539065346 0.0000000000 0.1762820513
## 28168 0.063510393
## 28169 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28170 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28171 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
                          0.1539065346 0.0000000000 0.1762820513
## 28172 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28173 0.063510393
## 28174 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28175 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
                          0.1539065346 0.0000000000 0.1762820513
## 28176 0.063510393
## 28177 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28178 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28179 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28180 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28181 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28182 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28183 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28184 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
                          0.1539065346 0.0000000000 0.1762820513
## 28185 0.063510393
## 28186 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28187 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28188 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28189 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28190 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28191 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28192 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
                          0.1539065346 0.0000000000 0.1762820513
## 28193 0.063510393
## 28194 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
                          0.1539065346 0.0000000000 0.1762820513
## 28195 0.063510393
```

```
## 28196 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
                          0.1539065346 0.0000000000 0.1762820513
## 28197 0.063510393
## 28198 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28199 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
## 28200 0.063510393
                          0.1539065346 0.0000000000 0.1762820513
                          0.0015581322 0.0000000000 0.0018315018
## 28201 0.000000000
## 28202 0.000000000
                          0.0015581322 0.0000000000 0.0018315018
## 28203 0.000000000
                          0.0015581322 0.0000000000 0.0018315018
## 28204 0.000000000
                          0.0015581322 0.0000000000 0.0018315018
## 28205 0.000000000
                          0.0015581322 0.0000000000 0.0018315018
                          0.0015581322 0.0000000000 0.0018315018
## 28206 0.000000000
## 28207 0.000000000
                          0.0015581322 0.0000000000 0.0018315018
## 28208 0.000000000
                          0.0015581322 0.0000000000 0.0018315018
## 28209 0.000000000
                          0.0015581322 0.0000000000 0.0018315018
## 28210 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28211 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28212 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28213 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
                          0.0100728871 0.0000000000 0.0480769231
## 28214 0.000000000
## 28215 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28216 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28217 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28218 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28219 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28220 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28221 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
                          0.0100728871 0.0000000000 0.0480769231
## 28222 0.0000000000
## 28223 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28224 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28225 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28226 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28227 0.0000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28228 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28229 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28230 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28231 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28232 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28233 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
                          0.0100728871 0.0000000000 0.0480769231
## 28234 0.000000000
## 28235 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28236 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28237 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28238 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28239 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28240 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28241 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28242 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28243 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28244 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
                          0.0100728871 0.0000000000 0.0480769231
## 28245 0.000000000
```

```
## 28246 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28247 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28248 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28249 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28250 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
                          0.0100728871 0.0000000000 0.0480769231
## 28251 0.000000000
## 28252 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28253 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28254 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28255 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28256 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28257 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28258 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28259 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28260 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28261 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28262 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28263 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28264 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28265 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28266 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28267 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28268 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28269 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28270 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28271 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
                          0.0100728871 0.0000000000 0.0480769231
## 28272 0.000000000
## 28273 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28274 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28275 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28276 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28277 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28278 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
                          0.0100728871 0.0000000000 0.0480769231
## 28279 0.000000000
## 28280 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28281 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28282 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28283 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
                          0.0100728871 0.0000000000 0.0480769231
## 28284 0.000000000
## 28285 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28286 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28287 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28288 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28289 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28290 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28291 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28292 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28293 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28294 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
                          0.0100728871 0.0000000000 0.0480769231
## 28295 0.000000000
```

```
## 28296 0.000000000
                          0.0100728871 0.0000000000 0.0480769231
## 28297 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28298 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28299 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28300 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28301 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28302 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28303 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
                          0.0409351214 0.0000000000 0.1277472527
## 28304 0.000000000
## 28305 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28306 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28307 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28308 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28309 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28310 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28311 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28312 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28313 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28314 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28315 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28316 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28317 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28318 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28319 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28320 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28321 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28322 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28323 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28324 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28325 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28326 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28327 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28328 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28329 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28330 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28331 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28332 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28333 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28334 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28335 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28336 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28337 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28338 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28339 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28340 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28341 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28342 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
                          0.0409351214 0.0000000000 0.1277472527
## 28343 0.000000000
## 28344 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
## 28345 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
```

```
## 28346 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
                          0.0409351214 0.0000000000 0.1277472527
## 28347 0.000000000
## 28348 0.000000000
                          0.0409351214 0.0000000000 0.1277472527
                          0.0409351214 0.0000000000 0.1277472527
## 28349 0.000000000
## 28350 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28351 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28352 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28353 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28354 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28355 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28356 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28357 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28358 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28359 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28360 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28361 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28362 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28363 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28364 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28365 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28366 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
                          0.0063836491 0.0000000000 0.0123626374
## 28367 0.001154734
## 28368 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28369 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28370 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28371 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
                          0.0063836491 0.0000000000 0.0123626374
## 28372 0.001154734
## 28373 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28374 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28375 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28376 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28377 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28378 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28379 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28380 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28381 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28382 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28383 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28384 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28385 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28386 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28387 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28388 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28389 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28390 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28391 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28392 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28393 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28394 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
                          0.0063836491 0.0000000000 0.0123626374
## 28395 0.001154734
```

```
## 28396 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
                          0.0063836491 0.0000000000 0.0123626374
## 28397 0.001154734
## 28398 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28399 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28400 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28401 0.001154734
                          0.0063836491 0.0000000000 0.0123626374
## 28402 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28403 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28404 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28405 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28406 0.0000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28407 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28408 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28409 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28410 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28411 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28412 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28413 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28414 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28415 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28416 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28417 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28418 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28419 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28420 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28421 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
                          0.0005685285 0.0000000000 0.0013736264
## 28422 0.000000000
## 28423 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28424 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28425 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28426 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28427 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28428 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
                          0.0005685285 0.0000000000 0.0013736264
## 28429 0.000000000
## 28430 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28431 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28432 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28433 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28434 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28435 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28436 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28437 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28438 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28439 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28440 0.000000000
                          0.0005685285 0.0000000000 0.0013736264
## 28441 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28442 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28443 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28444 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
                          0.2144940142 0.0062402496 0.5206043956
## 28445 0.000000000
```

```
## 28446 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28447 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28448 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
                          0.2144940142 0.0062402496 0.5206043956
## 28449 0.000000000
## 28450 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28451 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28452 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28453 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
                          0.2144940142 0.0062402496 0.5206043956
## 28454 0.000000000
## 28455 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28456 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28457 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28458 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28459 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28460 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28461 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28462 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28463 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28464 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28465 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28466 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28467 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
                          0.2144940142 0.0062402496 0.5206043956
## 28468 0.000000000
## 28469 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28470 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28471 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28472 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
                          0.2144940142 0.0062402496 0.5206043956
## 28473 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28474 0.000000000
## 28475 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28476 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28477 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28478 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28479 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28480 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28481 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
                          0.2144940142 0.0062402496 0.5206043956
## 28482 0.000000000
## 28483 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28484 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28485 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28486 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28487 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28488 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28489 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28490 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28491 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28492 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28493 0.000000000
                          0.2144940142 0.0062402496 0.5206043956
## 28494 1.000000000
                          0.7013595846 0.1154446178 0.7793040293
## 28495 1.000000000
                          0.7013595846 0.1154446178 0.7793040293
```

```
## 28496 1.000000000
                          0.7013595846 0.1154446178 0.7793040293
## 28497 1.000000000
                          0.7013595846 0.1154446178 0.7793040293
## 28498 1.000000000
                          0.7013595846 0.1154446178 0.7793040293
## 28499 1.000000000
                          0.7013595846 0.1154446178 0.7793040293
## 28500 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28501 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28502 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28503 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28504 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28505 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28506 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28507 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28508 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28509 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28510 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28511 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28512 0.000000000
                          0.0588584075 0.0104004160 0.0686813187
## 28513 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28514 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28515 0.002309469
## 28516 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28517 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28518 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28519 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28520 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28521 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28522 0.002309469
## 28523 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28524 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28525 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28526 0.002309469
## 28527 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28528 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28529 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28530 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28531 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28532 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28533 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28534 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28535 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28536 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28537 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28538 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28539 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28540 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28541 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28542 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28543 0.002309469
## 28544 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28545 0.002309469
```

```
## 28546 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28547 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28548 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28549 0.002309469
## 28550 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28551 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28552 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28553 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28554 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28555 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28556 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28557 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28558 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28559 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28560 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28561 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28562 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28563 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28564 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28565 0.002309469
## 28566 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28567 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28568 0.002309469
## 28569 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28570 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28571 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28572 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28573 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28574 0.002309469
## 28575 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28576 0.002309469
## 28577 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28578 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28579 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28580 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28581 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28582 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28583 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28584 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28585 0.002309469
## 28586 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28587 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28588 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28589 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28590 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28591 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28592 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28593 0.002309469
## 28594 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28595 0.002309469
```

```
## 28596 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28597 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28598 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28599 0.002309469
## 28600 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28601 0.002309469
## 28602 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28603 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28604 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28605 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28606 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28607 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28608 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28609 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28610 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28611 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28612 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28613 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28614 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28615 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28616 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28617 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28618 0.002309469
## 28619 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28620 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28621 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28622 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28623 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28624 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28625 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28626 0.002309469
## 28627 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28628 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28629 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28630 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28631 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28632 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28633 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28634 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28635 0.002309469
## 28636 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28637 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28638 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28639 0.002309469
## 28640 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28641 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28642 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28643 0.002309469
## 28644 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28645 0.002309469
```

```
## 28646 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28647 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28648 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28649 0.002309469
## 28650 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28651 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28652 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28653 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28654 0.002309469
## 28655 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28656 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28657 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28658 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28659 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28660 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28661 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28662 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28663 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28664 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28665 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28666 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
## 28667 0.002309469
                          0.0319517474 0.0000000000 0.0691391941
                          0.0319517474 0.0000000000 0.0691391941
## 28668 0.002309469
## 28669 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28670 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28671 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28672 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28673 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28674 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28675 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28676 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28677 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28678 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28679 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28680 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28681 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28682 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28683 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28684 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
                          0.0008590906 0.0000000000 0.0018315018
## 28685 0.000000000
## 28686 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28687 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28688 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
                          0.0008590906 0.0000000000 0.0018315018
## 28689 0.000000000
## 28690 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28691 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28692 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
                          0.0008590906 0.0000000000 0.0018315018
## 28693 0.000000000
## 28694 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28695 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
```

```
## 28696 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28697 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28698 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
                          0.0008590906 0.0000000000 0.0018315018
## 28699 0.000000000
## 28700 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28701 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28702 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28703 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28704 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28705 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28706 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28707 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28708 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28709 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28710 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28711 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28712 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28713 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28714 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28715 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28716 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28717 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28718 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28719 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28720 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28721 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28722 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
                          0.0008590906 0.0000000000 0.0018315018
## 28723 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28724 0.000000000
## 28725 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28726 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28727 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28728 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28729 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28730 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28731 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28732 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28733 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28734 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
                          0.0008590906 0.0000000000 0.0018315018
## 28735 0.000000000
## 28736 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28737 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28738 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
                          0.0008590906 0.0000000000 0.0018315018
## 28739 0.000000000
## 28740 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28741 0.000000000
                          0.0008590906 0.0000000000 0.0018315018
## 28742 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
                          0.1189976522 0.0031201248 0.3099816850
## 28743 0.013856813
## 28744 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
                          0.1189976522 0.0031201248 0.3099816850
## 28745 0.013856813
```

```
## 28746 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
                          0.1189976522 0.0031201248 0.3099816850
## 28747 0.013856813
## 28748 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
                          0.1189976522 0.0031201248 0.3099816850
## 28749 0.013856813
## 28750 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28751 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28752 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28753 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
                          0.1189976522 0.0031201248 0.3099816850
## 28754 0.013856813
## 28755 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
                          0.1189976522 0.0031201248 0.3099816850
## 28756 0.013856813
## 28757 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28758 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28759 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28760 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28761 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28762 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28763 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28764 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28765 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28766 0.013856813
                          0.1189976522 0.0031201248 0.3099816850
## 28767 0.000000000
                          0.000000000 0.000000000 0.0004578755
                          0.000000000 0.000000000 0.0004578755
## 28768 0.000000000
## 28769 0.000000000
                          0.000000000 0.000000000 0.0004578755
## 28770 0.000000000
                          0.0000000000 0.0000000000 0.0004578755
## 28771 0.000000000
                          0.000000000 0.000000000 0.0004578755
## 28772 0.000000000
                          0.000000000 0.000000000 0.0004578755
                          0.000000000 0.000000000 0.0004578755
## 28773 0.000000000
                          0.000000000 0.000000000 0.0004578755
## 28774 0.000000000
## 28775 0.000000000
                          0.000000000 0.000000000 0.0004578755
                          0.000000000 0.000000000 0.0004578755
## 28776 0.000000000
## 28777 0.000000000
                          0.000000000 0.000000000 0.0004578755
## 28778 0.000000000
                          0.000000000 0.000000000 0.0004578755
## 28779 0.000000000
                          0.0000000000 0.0000000000 0.0004578755
## 28780 0.000000000
                          0.000000000 0.000000000 0.0004578755
## 28781 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
## 28782 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
## 28783 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
## 28784 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
                          0.2256083922 0.0005200208 0.3415750916
## 28785 0.079676674
## 28786 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
## 28787 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
## 28788 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
                          0.2256083922 0.0005200208 0.3415750916
## 28789 0.079676674
## 28790 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
## 28791 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
## 28792 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
                          0.2256083922 0.0005200208 0.3415750916
## 28793 0.079676674
## 28794 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
                          0.2256083922 0.0005200208 0.3415750916
## 28795 0.079676674
```

```
## 28796 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
                          0.2256083922 0.0005200208 0.3415750916
## 28797 0.079676674
                          0.2256083922 0.0005200208 0.3415750916
## 28798 0.079676674
## 28799 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28800 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28801 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28802 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28803 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28804 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28805 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28806 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28807 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28808 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28809 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28810 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28811 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28812 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28813 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28814 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28815 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28816 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28817 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28818 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28819 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28820 0.006928406
                          0.2282324856 0.0015600624 0.2197802198
## 28821 0.083140878
                          0.1415697316 0.0062402496 0.1094322344
                          0.1415697316 0.0062402496 0.1094322344
## 28822 0.083140878
## 28823 0.083140878
                          0.1415697316 0.0062402496 0.1094322344
## 28824 0.083140878
                          0.1415697316 0.0062402496 0.1094322344
## 28825 0.083140878
                          0.1415697316 0.0062402496 0.1094322344
## 28826 0.083140878
                          0.1415697316 0.0062402496 0.1094322344
## 28827 0.083140878
                          0.1415697316 0.0062402496 0.1094322344
## 28828 0.083140878
                          0.1415697316 0.0062402496 0.1094322344
## 28829 0.066974596
                          0.0570560938 0.0098803952 0.0476190476
                          0.0570560938 0.0098803952 0.0476190476
## 28830 0.066974596
## 28831 0.066974596
                          0.0570560938 0.0098803952 0.0476190476
## 28832 0.066974596
                          0.0570560938 0.0098803952 0.0476190476
## 28833 0.066974596
                          0.0570560938 0.0098803952 0.0476190476
                          0.0570560938 0.0098803952 0.0476190476
## 28834 0.066974596
## 28835 0.066974596
                          0.0570560938 0.0098803952 0.0476190476
## 28836 0.066974596
                          0.0570560938 0.0098803952 0.0476190476
## 28837 0.066974596
                          0.0570560938 0.0098803952 0.0476190476
## 28838 0.066974596
                          0.0570560938 0.0098803952 0.0476190476
## 28839 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28840 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28841 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28842 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
                          0.0096334004 0.0000000000 0.0119047619
## 28843 0.000000000
## 28844 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
                          0.0096334004 0.0000000000 0.0119047619
## 28845 0.000000000
```

```
## 28846 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28847 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28848 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
                          0.0096334004 0.0000000000 0.0119047619
## 28849 0.000000000
## 28850 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28851 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28852 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28853 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28854 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28855 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28856 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28857 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28858 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28859 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28860 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28861 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28862 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28863 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28864 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28865 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28866 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28867 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28868 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28869 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28870 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28871 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28872 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28873 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
                          0.0096334004 0.0000000000 0.0119047619
## 28874 0.000000000
## 28875 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28876 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28877 0.000000000
                          0.0096334004 0.0000000000 0.0119047619
## 28878 0.056581986
                          0.1468218059 0.0000000000 0.0897435897
## 28879 0.056581986
                          0.1468218059 0.0000000000 0.0897435897
## 28880 0.056581986
                          0.1468218059 0.0000000000 0.0897435897
## 28881 0.056581986
                          0.1468218059 0.0000000000 0.0897435897
## 28882 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28883 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28884 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
                          0.1330984723 0.0000000000 0.3095238095
## 28885 0.000000000
## 28886 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28887 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28888 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
                          0.1330984723 0.0000000000 0.3095238095
## 28889 0.000000000
## 28890 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28891 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28892 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
                          0.1330984723 0.0000000000 0.3095238095
## 28893 0.000000000
## 28894 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28895 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
```

```
## 28896 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28897 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28898 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
                          0.1330984723 0.0000000000 0.3095238095
## 28899 0.000000000
## 28900 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28901 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28902 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28903 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
                          0.1330984723 0.0000000000 0.3095238095
## 28904 0.000000000
## 28905 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28906 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28907 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28908 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28909 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28910 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28911 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28912 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28913 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28914 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28915 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28916 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28917 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28918 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28919 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28920 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28921 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28922 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28923 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28924 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28925 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28926 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28927 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28928 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28929 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28930 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28931 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28932 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28933 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28934 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
                          0.1330984723 0.0000000000 0.3095238095
## 28935 0.000000000
## 28936 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28937 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28938 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
                          0.1330984723 0.0000000000 0.3095238095
## 28939 0.000000000
## 28940 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28941 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28942 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
                          0.1330984723 0.0000000000 0.3095238095
## 28943 0.000000000
## 28944 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28945 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
```

```
## 28946 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28947 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28948 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
                          0.1330984723 0.0000000000 0.3095238095
## 28949 0.000000000
## 28950 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28951 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28952 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28953 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28954 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28955 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
                          0.1330984723 0.0000000000 0.3095238095
## 28956 0.000000000
## 28957 0.000000000
                          0.1330984723 0.0000000000 0.3095238095
## 28958 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28959 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28960 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28961 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28962 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28963 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28964 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28965 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28966 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28967 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
                          0.0733237826 0.0010400416 0.1332417582
## 28968 0.013856813
## 28969 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28970 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28971 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28972 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
                          0.0733237826 0.0010400416 0.1332417582
## 28973 0.013856813
## 28974 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28975 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
                          0.0733237826 0.0010400416 0.1332417582
## 28976 0.013856813
## 28977 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28978 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28979 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28980 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28981 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28982 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28983 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28984 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
                          0.0733237826 0.0010400416 0.1332417582
## 28985 0.013856813
## 28986 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28987 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28988 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28989 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28990 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28991 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28992 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
                          0.0733237826 0.0010400416 0.1332417582
## 28993 0.013856813
## 28994 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
                          0.0733237826 0.0010400416 0.1332417582
## 28995 0.013856813
```

```
## 28996 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28997 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28998 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 28999 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29000 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29001 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29002 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29003 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29004 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29005 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29006 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29007 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29008 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29009 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29010 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29011 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29012 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29013 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
                          0.0733237826 0.0010400416 0.1332417582
## 29014 0.013856813
## 29015 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29016 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29017 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29018 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29019 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29020 0.013856813
                          0.0733237826 0.0010400416 0.1332417582
## 29021 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29022 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29023 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29024 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29025 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29026 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29027 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29028 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29029 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29030 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29031 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29032 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29033 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
                          0.1726861361 0.0057202288 0.3809523810
## 29034 0.021939954
## 29035 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29036 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29037 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29038 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29039 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29040 0.021939954
                          0.1726861361 0.0057202288 0.3809523810
## 29041 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29042 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29043 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29044 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29045 0.000000000
```

```
## 29046 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29047 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29048 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29049 0.000000000
## 29050 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29051 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29052 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29053 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29054 0.000000000
## 29055 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29056 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29057 0.000000000
## 29058 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29059 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29060 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29061 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29062 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29063 0.000000000
## 29064 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29065 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29066 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29067 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29068 0.000000000
## 29069 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29070 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29071 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29072 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29073 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29074 0.000000000
## 29075 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29076 0.000000000
## 29077 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29078 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29079 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29080 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29081 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29082 0.000000000
## 29083 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29084 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29085 0.000000000
## 29086 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29087 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29088 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29089 0.000000000
## 29090 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29091 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29092 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29093 0.000000000
## 29094 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29095 0.000000000
```

```
## 29096 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29097 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29098 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29099 0.000000000
## 29100 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29101 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29102 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29103 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29104 0.000000000
## 29105 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29106 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29107 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29108 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29109 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29110 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29111 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29112 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29113 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29114 0.000000000
## 29115 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29116 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29117 0.000000000
## 29118 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29119 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29120 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29121 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29122 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29123 0.000000000
## 29124 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29125 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29126 0.000000000
## 29127 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29128 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29129 0.000000000
## 29130 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29131 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29132 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29133 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29134 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29135 0.000000000
## 29136 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29137 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29138 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29139 0.000000000
## 29140 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29141 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29142 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29143 0.000000000
## 29144 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29145 0.000000000
```

```
## 29146 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29147 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29148 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29149 0.000000000
## 29150 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29151 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29152 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29153 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29154 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29155 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29156 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29157 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29158 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29159 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29160 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29161 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29162 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29163 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29164 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29165 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29166 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
## 29167 0.000000000
                          0.0115765382 0.0000000000 0.0210622711
                          0.0115765382 0.0000000000 0.0210622711
## 29168 0.000000000
## 29169 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29170 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29171 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29172 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29173 0.004618938
## 29174 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29175 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29176 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29177 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29178 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29179 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29180 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29181 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29182 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29183 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29184 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29185 0.004618938
## 29186 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29187 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29188 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29189 0.004618938
## 29190 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29191 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29192 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29193 0.004618938
## 29194 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29195 0.004618938
```

```
0.0574400177 0.0000000000 0.1588827839
## 29196 0.004618938
## 29197 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29198 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29199 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29200 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29201 0.004618938
## 29202 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29203 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29204 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29205 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29206 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29207 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29208 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29209 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29210 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29211 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29212 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29213 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29214 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29215 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29216 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29217 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29218 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29219 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29220 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29221 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29222 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29223 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29224 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29225 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29226 0.004618938
## 29227 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29228 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29229 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29230 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29231 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29232 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29233 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29234 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29235 0.004618938
## 29236 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29237 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29238 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29239 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29240 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29241 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29242 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29243 0.004618938
## 29244 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29245 0.004618938
```

```
0.0574400177 0.0000000000 0.1588827839
## 29246 0.004618938
## 29247 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29248 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29249 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29250 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29251 0.004618938
## 29252 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29253 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29254 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29255 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29256 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29257 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29258 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29259 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29260 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29261 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29262 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29263 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29264 0.004618938
## 29265 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29266 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29267 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29268 0.004618938
## 29269 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29270 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29271 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29272 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29273 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29274 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29275 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29276 0.004618938
## 29277 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29278 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29279 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29280 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29281 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29282 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29283 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29284 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29285 0.004618938
## 29286 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29287 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29288 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29289 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29290 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29291 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29292 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29293 0.004618938
## 29294 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29295 0.004618938
```

```
0.0574400177 0.0000000000 0.1588827839
## 29296 0.004618938
## 29297 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29298 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29299 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29300 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29301 0.004618938
## 29302 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29303 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29304 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29305 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29306 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29307 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29308 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29309 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29310 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29311 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29312 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29313 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29314 0.004618938
## 29315 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29316 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29317 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29318 0.004618938
## 29319 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29320 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29321 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29322 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29323 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29324 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29325 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29326 0.004618938
## 29327 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29328 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29329 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29330 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29331 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29332 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29333 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29334 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29335 0.004618938
## 29336 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29337 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29338 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29339 0.004618938
## 29340 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29341 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29342 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29343 0.004618938
## 29344 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29345 0.004618938
```

```
0.0574400177 0.0000000000 0.1588827839
## 29346 0.004618938
## 29347 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29348 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29349 0.004618938
## 29350 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29351 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29352 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29353 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29354 0.004618938
## 29355 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29356 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29357 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29358 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29359 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29360 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29361 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29362 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29363 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29364 0.004618938
## 29365 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29366 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29367 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29368 0.004618938
## 29369 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29370 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29371 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29372 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29373 0.004618938
## 29374 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29375 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29376 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29377 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29378 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29379 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29380 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29381 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29382 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29383 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29384 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
                          0.0574400177 0.0000000000 0.1588827839
## 29385 0.004618938
## 29386 0.004618938
                          0.0574400177 0.0000000000 0.1588827839
## 29387 0.000000000
                          0.9024835140 0.0005200208 0.6309523810
## 29388 0.000000000
                          0.9024835140 0.0005200208 0.6309523810
                          0.9024835140 0.0005200208 0.6309523810
## 29389 0.000000000
## 29390 0.000000000
                          0.9024835140 0.0005200208 0.6309523810
## 29391 0.000000000
                          0.9024835140 0.0005200208 0.6309523810
## 29392 0.000000000
                          0.4185025125 0.0234009360 0.3301282051
                          0.4185025125 0.0234009360 0.3301282051
## 29393 0.000000000
## 29394 0.000000000
                          0.4185025125 0.0234009360 0.3301282051
                          0.4185025125 0.0234009360 0.3301282051
## 29395 0.000000000
```

```
## 29396 0.000000000
                          0.4185025125 0.0234009360 0.3301282051
## 29397 0.000000000
                          0.4185025125 0.0234009360 0.3301282051
## 29398 0.000000000
                          0.4185025125 0.0234009360 0.3301282051
## 29399 0.000000000
                          0.4185025125 0.0234009360 0.3301282051
## 29400 0.000000000
                          0.4185025125 0.0234009360 0.3301282051
## 29401 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29402 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29403 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29404 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29405 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29406 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29407 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29408 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29409 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29410 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29411 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29412 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29413 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29414 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29415 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29416 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29417 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29418 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29419 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29420 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29421 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29422 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29423 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29424 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29425 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29426 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29427 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29428 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29429 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29430 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29431 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
                          0.0454941700 0.0000000000 0.1684981685
## 29432 0.002309469
## 29433 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29434 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29435 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29436 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29437 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29438 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29439 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29440 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29441 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29442 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
                          0.0454941700 0.0000000000 0.1684981685
## 29443 0.002309469
## 29444 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29445 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
```

```
## 29446 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29447 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29448 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29449 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29450 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29451 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29452 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29453 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29454 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29455 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29456 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29457 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29458 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29459 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29460 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29461 0.002309469
                          0.0454941700 0.0000000000 0.1684981685
## 29462 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29463 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29464 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29465 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29466 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29467 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29468 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29469 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29470 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29471 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29472 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29473 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29474 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29475 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29476 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29477 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29478 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29479 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29480 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29481 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
                          0.0011886430 0.0000000000 0.0013736264
## 29482 0.000000000
## 29483 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29484 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29485 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29486 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29487 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29488 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29489 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29490 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29491 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29492 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29493 0.000000000
                          0.0011886430 0.0000000000 0.0013736264
## 29494 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29495 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
```

```
## 29496 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29497 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29498 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29499 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29500 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29501 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
                          0.2199988016 0.0000000000 0.6021062271
## 29502 0.019630485
## 29503 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29504 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29505 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29506 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29507 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29508 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29509 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29510 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29511 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29512 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
                          0.2199988016 0.0000000000 0.6021062271
## 29513 0.019630485
## 29514 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29515 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29516 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29517 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29518 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29519 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29520 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29521 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29522 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29523 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29524 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29525 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29526 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29527 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29528 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29529 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29530 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29531 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29532 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29533 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29534 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29535 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29536 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29537 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29538 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29539 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29540 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29541 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29542 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29543 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29544 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29545 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
```

```
## 29546 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29547 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29548 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29549 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29550 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29551 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29552 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29553 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29554 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29555 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29556 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29557 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29558 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29559 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29560 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29561 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29562 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29563 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29564 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29565 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29566 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29567 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29568 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29569 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29570 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29571 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29572 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29573 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29574 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29575 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29576 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29577 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29578 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29579 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29580 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29581 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
                          0.2199988016 0.0000000000 0.6021062271
## 29582 0.019630485
## 29583 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29584 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29585 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29586 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29587 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29588 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29589 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29590 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29591 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29592 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29593 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29594 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29595 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
```

```
## 29596 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29597 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29598 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29599 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29600 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29601 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
                          0.2199988016 0.0000000000 0.6021062271
## 29602 0.019630485
## 29603 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29604 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29605 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29606 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29607 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29608 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29609 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29610 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29611 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29612 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29613 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29614 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29615 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29616 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29617 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29618 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29619 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29620 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29621 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29622 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29623 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29624 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29625 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29626 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29627 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29628 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29629 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29630 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29631 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29632 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29633 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29634 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29635 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29636 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29637 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29638 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29639 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29640 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29641 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29642 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29643 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29644 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29645 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
```

```
## 29646 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29647 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29648 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29649 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29650 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29651 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29652 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29653 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29654 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29655 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29656 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29657 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29658 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29659 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29660 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29661 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29662 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29663 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29664 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29665 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29666 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29667 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29668 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29669 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29670 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29671 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29672 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29673 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29674 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29675 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29676 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29677 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29678 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29679 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29680 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29681 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
                          0.2199988016 0.0000000000 0.6021062271
## 29682 0.019630485
## 29683 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29684 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29685 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29686 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29687 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29688 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29689 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29690 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29691 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29692 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29693 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29694 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29695 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
```

```
## 29696 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29697 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29698 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
                          0.2199988016 0.0000000000 0.6021062271
## 29699 0.019630485
## 29700 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29701 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29702 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29703 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29704 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29705 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29706 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29707 0.019630485
                          0.2199988016 0.0000000000 0.6021062271
## 29708 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29709 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29710 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29711 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29712 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29713 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29714 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29715 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29716 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29717 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29718 0.006928406
## 29719 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29720 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29721 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29722 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29723 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29724 0.006928406
## 29725 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29726 0.006928406
## 29727 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29728 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29729 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29730 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29731 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29732 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29733 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29734 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29735 0.006928406
## 29736 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29737 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29738 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29739 0.006928406
## 29740 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29741 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29742 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29743 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29744 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29745 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
```

```
## 29746 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29747 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29748 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29749 0.006928406
## 29750 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29751 0.006928406
## 29752 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29753 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29754 0.006928406
## 29755 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29756 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29757 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29758 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29759 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29760 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29761 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29762 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29763 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29764 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29765 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29766 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29767 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29768 0.006928406
## 29769 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29770 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29771 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29772 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29773 0.006928406
## 29774 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29775 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29776 0.006928406
## 29777 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29778 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29779 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29780 0.006928406
## 29781 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29782 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29783 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29784 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
                          0.0473444937 0.0000000000 0.1382783883
## 29785 0.006928406
## 29786 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29787 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
## 29788 0.006928406
                          0.0473444937 0.0000000000 0.1382783883
##
         X10.649253731343284
                                   X1.0.1 X70.25478763764251
                                                                  X.69.0
## 28004
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28005
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28006
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28007
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28008
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28009
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
```

```
## 28010
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28011
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28012
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
                                                 0.0463753089 0.39525692
                1.307648e-02 0.0083203328
## 28013
## 28014
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28015
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28016
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28017
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28018
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28019
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28020
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
                1.307648e-02 0.0083203328
## 28021
                                                 0.0463753089 0.39525692
## 28022
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28023
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28024
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28025
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28026
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28027
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28028
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28029
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28030
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28031
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28032
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28033
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28034
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28035
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28036
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
                1.307648e-02 0.0083203328
## 28037
                                                 0.0463753089 0.39525692
                1.307648e-02 0.0083203328
## 28038
                                                 0.0463753089 0.39525692
## 28039
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28040
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28041
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28042
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28043
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28044
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28045
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28046
## 28047
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28048
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28049
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28050
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28051
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28052
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
                1.307648e-02 0.0083203328
## 28053
                                                 0.0463753089 0.39525692
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28054
                                                 0.0463753089 0.39525692
## 28055
                1.307648e-02 0.0083203328
## 28056
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28057
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28058
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28059
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
```

```
## 28060
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28061
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28062
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28063
## 28064
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28065
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
                1.307648e-02 0.0083203328
## 28066
                                                 0.0463753089 0.39525692
## 28067
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28068
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28069
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28070
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
                1.307648e-02 0.0083203328
## 28071
                                                 0.0463753089 0.39525692
## 28072
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28073
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28074
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28075
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28076
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
                                                  0.0463753089 0.39525692
## 28077
                1.307648e-02 0.0083203328
## 28078
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28079
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28080
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28081
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28082
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28083
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28084
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28085
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28086
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
                1.307648e-02 0.0083203328
## 28087
                                                  0.0463753089 0.39525692
## 28088
                1.307648e-02 0.0083203328
                                                  0.0463753089 0.39525692
## 28089
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28090
                1.307648e-02 0.0083203328
                                                 0.0463753089 0.39525692
## 28091
                9.822615e-04 0.00000000000
                                                 0.0052036483 0.41410763
## 28092
                9.822615e-04 0.0000000000
                                                 0.0052036483 0.41410763
## 28093
                9.822615e-04 0.00000000000
                                                 0.0052036483 0.41410763
## 28094
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
## 28095
                9.822615e-04 0.00000000000
                                                 0.0052036483 0.41410763
                9.822615e-04 0.0000000000
                                                 0.0052036483 0.41410763
## 28096
## 28097
                9.822615e-04 0.0000000000
                                                 0.0052036483 0.41410763
## 28098
                9.822615e-04 0.00000000000
                                                 0.0052036483 0.41410763
## 28099
                9.822615e-04 0.0000000000
                                                 0.0052036483 0.41410763
## 28100
                9.822615e-04 0.00000000000
                                                 0.0052036483 0.41410763
## 28101
                9.822615e-04 0.00000000000
                                                 0.0052036483 0.41410763
## 28102
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
                9.822615e-04 0.0000000000
## 28103
                                                  0.0052036483 0.41410763
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
## 28104
                                                  0.0052036483 0.41410763
## 28105
                9.822615e-04 0.0000000000
## 28106
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28107
                9.822615e-04 0.00000000000
                                                 0.0052036483 0.41410763
## 28108
                9.822615e-04 0.00000000000
                                                 0.0052036483 0.41410763
## 28109
                9.822615e-04 0.0000000000
                                                 0.0052036483 0.41410763
```

```
## 28110
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28111
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
## 28112
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
                9.822615e-04 0.00000000000
## 28113
                                                  0.0052036483 0.41410763
## 28114
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28115
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28116
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
## 28117
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
## 28118
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28119
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
## 28120
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
                9.822615e-04 0.0000000000
## 28121
                                                  0.0052036483 0.41410763
## 28122
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28123
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
## 28124
## 28125
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
## 28126
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28127
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28128
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28129
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28130
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28131
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
                9.822615e-04 0.0000000000
## 28132
                                                  0.0052036483 0.41410763
## 28133
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28134
                9.822615e-04 0.00000000000
                                                  0.0052036483 0.41410763
## 28135
                9.822615e-04 0.0000000000
                                                  0.0052036483 0.41410763
## 28136
                6.877694e-04 0.0000000000
                                                  0.0029432807 0.41380359
                                                  0.0029432807 0.41380359
## 28137
                6.877694e-04 0.0000000000
## 28138
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28139
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28140
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
                6.877694e-04 0.0000000000
## 28141
                                                  0.0029432807 0.41380359
## 28142
                6.877694e-04 0.0000000000
                                                  0.0029432807 0.41380359
## 28143
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28144
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28145
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
                6.877694e-04 0.0000000000
                                                  0.0029432807 0.41380359
## 28146
## 28147
                6.877694e-04 0.0000000000
                                                  0.0029432807 0.41380359
## 28148
                6.877694e-04 0.0000000000
                                                  0.0029432807 0.41380359
## 28149
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28150
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28151
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
                                                  0.0029432807 0.41380359
## 28152
                6.877694e-04 0.00000000000
                6.877694e-04 0.0000000000
                                                  0.0029432807 0.41380359
## 28153
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28154
                6.877694e-04 0.0000000000
                                                  0.0029432807 0.41380359
## 28155
## 28156
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
                6.877694e-04 0.0000000000
## 28157
                                                  0.0029432807 0.41380359
## 28158
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28159
                6.877694e-04 0.0000000000
                                                  0.0029432807 0.41380359
```

```
## 28160
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28161
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28162
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28163
## 28164
                6.877694e-04 0.0000000000
                                                  0.0029432807 0.41380359
## 28165
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28166
                6.877694e-04 0.00000000000
                                                  0.0029432807 0.41380359
## 28167
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28168
## 28169
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28170
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28171
## 28172
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28173
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
                5.293506e-02 0.0384815393
                                                 0.1329095277 0.31255701
## 28174
## 28175
                5.293506e-02 0.0384815393
                                                 0.1329095277 0.31255701
## 28176
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28177
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
                                                  0.1329095277 0.31255701
## 28178
                5.293506e-02 0.0384815393
## 28179
                5.293506e-02 0.0384815393
                                                 0.1329095277 0.31255701
## 28180
                5.293506e-02 0.0384815393
                                                 0.1329095277 0.31255701
## 28181
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
                                                  0.1329095277 0.31255701
## 28182
                5.293506e-02 0.0384815393
## 28183
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28184
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28185
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
                                                  0.1329095277 0.31255701
## 28186
                5.293506e-02 0.0384815393
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28187
                                                  0.1329095277 0.31255701
## 28188
                5.293506e-02 0.0384815393
## 28189
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
                5.293506e-02 0.0384815393
                                                 0.1329095277 0.31255701
## 28190
## 28191
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28192
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28193
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28194
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28195
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
                5.293506e-02 0.0384815393
                                                  0.1329095277 0.31255701
## 28196
## 28197
                5.293506e-02 0.0384815393
                                                 0.1329095277 0.31255701
## 28198
                5.293506e-02 0.0384815393
                                                 0.1329095277 0.31255701
                5.293506e-02 0.0384815393
                                                 0.1329095277 0.31255701
## 28199
## 28200
                5.293506e-02 0.0384815393
                                                 0.1329095277 0.31255701
## 28201
                6.933611e-04 0.0005200208
                                                  0.0022235443 0.41471572
## 28202
                6.933611e-04 0.0005200208
                                                  0.0022235443 0.41471572
## 28203
                6.933611e-04 0.0005200208
                                                  0.0022235443 0.41471572
                6.933611e-04 0.0005200208
                                                  0.0022235443 0.41471572
## 28204
                                                  0.0022235443 0.41471572
## 28205
                6.933611e-04 0.0005200208
## 28206
                6.933611e-04 0.0005200208
                                                  0.0022235443 0.41471572
                6.933611e-04 0.0005200208
## 28207
                                                  0.0022235443 0.41471572
## 28208
                6.933611e-04 0.0005200208
                                                 0.0022235443 0.41471572
## 28209
                6.933611e-04 0.0005200208
                                                  0.0022235443 0.41471572
```

```
## 28210
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28211
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28212
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28213
## 28214
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28215
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28216
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28217
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
                                                  0.0184964441 0.40529036
## 28218
                2.103992e-03 0.0000000000
## 28219
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28220
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28221
## 28222
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28223
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28224
## 28225
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28226
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28227
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28228
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28229
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28230
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28231
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28232
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28233
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28234
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28235
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28236
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
                                                  0.0184964441 0.40529036
## 28237
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28238
                2.103992e-03 0.0000000000
## 28239
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28240
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28241
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28242
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28243
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28244
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28245
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28246
## 28247
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28248
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
                                                  0.0184964441 0.40529036
## 28249
                2.103992e-03 0.00000000000
## 28250
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28251
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28252
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28253
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28254
                                                  0.0184964441 0.40529036
## 28255
                2.103992e-03 0.00000000000
## 28256
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28257
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28258
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28259
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
```

```
## 28260
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28261
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28262
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28263
## 28264
                2.103992e-03 0.0000000000
                                                 0.0184964441 0.40529036
## 28265
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
                2.103992e-03 0.0000000000
## 28266
                                                  0.0184964441 0.40529036
## 28267
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
                                                 0.0184964441 0.40529036
## 28268
                2.103992e-03 0.0000000000
## 28269
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28270
                2.103992e-03 0.0000000000
                                                 0.0184964441 0.40529036
                                                 0.0184964441 0.40529036
## 28271
                2.103992e-03 0.0000000000
## 28272
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28273
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28274
## 28275
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28276
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28277
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28278
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28279
                2.103992e-03 0.0000000000
                                                 0.0184964441 0.40529036
## 28280
                2.103992e-03 0.0000000000
                                                  0.0184964441 0.40529036
## 28281
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28282
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28283
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28284
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28285
                2.103992e-03 0.0000000000
                                                 0.0184964441 0.40529036
## 28286
                2.103992e-03 0.0000000000
                                                 0.0184964441 0.40529036
                                                 0.0184964441 0.40529036
## 28287
                2.103992e-03 0.0000000000
                                                 0.0184964441 0.40529036
## 28288
                2.103992e-03 0.0000000000
## 28289
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28290
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28291
                2.103992e-03 0.0000000000
                                                 0.0184964441 0.40529036
## 28292
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28293
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
## 28294
                2.103992e-03 0.00000000000
                                                  0.0184964441 0.40529036
## 28295
                2.103992e-03 0.00000000000
                                                 0.0184964441 0.40529036
                2.103992e-03 0.0000000000
                                                 0.0184964441 0.40529036
## 28296
## 28297
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28298
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
                1.564968e-02 0.0072802912
## 28299
                                                 0.0696315394 0.38491943
## 28300
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28301
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
                1.564968e-02 0.0072802912
## 28302
                                                 0.0696315394 0.38491943
                1.564968e-02 0.0072802912
## 28303
                                                 0.0696315394 0.38491943
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28304
                                                  0.0696315394 0.38491943
## 28305
                1.564968e-02 0.0072802912
## 28306
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28307
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28308
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28309
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
```

```
## 28310
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28311
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28312
                1.564968e-02 0.0072802912
                                                  0.0696315394 0.38491943
                                                 0.0696315394 0.38491943
## 28313
                1.564968e-02 0.0072802912
## 28314
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28315
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28316
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28317
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28318
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28319
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28320
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
                1.564968e-02 0.0072802912
## 28321
                                                 0.0696315394 0.38491943
## 28322
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28323
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28324
## 28325
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28326
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
                                                 0.0696315394 0.38491943
## 28327
                1.564968e-02 0.0072802912
## 28328
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28329
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28330
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28331
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28332
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28333
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28334
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28335
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28336
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28337
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28338
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28339
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28340
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28341
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28342
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28343
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28344
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28345
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
                1.564968e-02 0.0072802912
## 28346
                                                 0.0696315394 0.38491943
## 28347
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28348
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
                1.564968e-02 0.0072802912
                                                 0.0696315394 0.38491943
## 28349
## 28350
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28351
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28352
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
                2.530101e-03 0.0015600624
## 28353
                                                 0.0079283434 0.41106719
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28354
## 28355
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28356
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28357
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28358
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28359
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
```

```
## 28360
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28361
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28362
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28363
## 28364
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28365
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28366
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28367
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28368
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28369
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28370
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
                2.530101e-03 0.0015600624
## 28371
                                                 0.0079283434 0.41106719
## 28372
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28373
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28374
## 28375
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28376
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28377
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28378
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28379
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28380
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28381
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28382
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28383
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28384
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28385
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28386
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28387
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28388
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28389
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28390
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
                2.530101e-03 0.0015600624
## 28391
                                                 0.0079283434 0.41106719
## 28392
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28393
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28394
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28395
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28396
## 28397
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28398
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
                                                 0.0079283434 0.41106719
## 28399
                2.530101e-03 0.0015600624
## 28400
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28401
                2.530101e-03 0.0015600624
                                                 0.0079283434 0.41106719
## 28402
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28403
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28404
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
                2.000080e-04 0.0000000000
## 28405
                                                 0.0010493159 0.41501976
## 28406
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28407
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28408
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28409
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
```

```
## 28410
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28411
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28412
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28413
                                                 0.0010493159 0.41501976
                2.000080e-04 0.0000000000
## 28414
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28415
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
                2.000080e-04 0.0000000000
## 28416
                                                 0.0010493159 0.41501976
## 28417
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28418
                                                 0.0010493159 0.41501976
                2.000080e-04 0.0000000000
## 28419
                2.000080e-04 0.00000000000
                                                 0.0010493159 0.41501976
## 28420
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28421
## 28422
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28423
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28424
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28425
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28426
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28427
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28428
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28429
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28430
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28431
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
                                                 0.0010493159 0.41501976
## 28432
                2.000080e-04 0.0000000000
## 28433
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28434
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28435
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28436
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
                                                 0.0010493159 0.41501976
## 28437
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28438
                2.000080e-04 0.0000000000
## 28439
                2.000080e-04 0.0000000000
                                                 0.0010493159 0.41501976
## 28440
                                                 0.0010493159 0.41501976
                2.000080e-04 0.0000000000
## 28441
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28442
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28443
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28444
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28445
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28446
## 28447
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
                6.315800e-02 0.0291211648
## 28448
                                                 0.3067358582 0.19245971
## 28449
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28450
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28451
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28452
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
                6.315800e-02 0.0291211648
## 28453
                                                 0.3067358582 0.19245971
## 28454
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28455
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28456
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
                6.315800e-02 0.0291211648
## 28457
                                                 0.3067358582 0.19245971
## 28458
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
## 28459
                6.315800e-02 0.0291211648
                                                 0.3067358582 0.19245971
```

```
## 28460
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28461
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28462
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28463
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28464
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28465
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28466
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28467
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28468
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28469
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28470
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
                                                  0.3067358582 0.19245971
                6.315800e-02 0.0291211648
## 28471
## 28472
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28473
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28474
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28475
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28476
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28477
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28478
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28479
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28480
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28481
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28482
## 28483
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28484
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28485
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28486
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28487
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28488
## 28489
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28490
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28491
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28492
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28493
                6.315800e-02 0.0291211648
                                                  0.3067358582 0.19245971
## 28494
                5.221876e-01 0.5655226209
                                                  0.6872004817 0.24384311
## 28495
                5.221876e-01 0.5655226209
                                                  0.6872004817 0.24384311
                5.221876e-01 0.5655226209
                                                  0.6872004817 0.24384311
## 28496
## 28497
                5.221876e-01 0.5655226209
                                                  0.6872004817 0.24384311
## 28498
                5.221876e-01 0.5655226209
                                                  0.6872004817 0.24384311
## 28499
                5.221876e-01 0.5655226209
                                                  0.6872004817 0.24384311
## 28500
                3.308132e-02 0.0275611024
                                                  0.0513580214 0.39495287
## 28501
                3.308132e-02 0.0275611024
                                                  0.0513580214 0.39495287
## 28502
                3.308132e-02 0.0275611024
                                                  0.0513580214 0.39495287
                3.308132e-02 0.0275611024
                                                  0.0513580214 0.39495287
## 28503
## 28504
                3.308132e-02 0.0275611024
                                                  0.0513580214 0.39495287
                3.308132e-02 0.0275611024
## 28505
                                                  0.0513580214 0.39495287
## 28506
                3.308132e-02 0.0275611024
                                                  0.0513580214 0.39495287
                3.308132e-02 0.0275611024
## 28507
                                                  0.0513580214 0.39495287
## 28508
                3.308132e-02 0.0275611024
                                                 0.0513580214 0.39495287
## 28509
                3.308132e-02 0.0275611024
                                                 0.0513580214 0.39495287
```

```
## 28510
                3.308132e-02 0.0275611024
                                                 0.0513580214 0.39495287
## 28511
                3.308132e-02 0.0275611024
                                                 0.0513580214 0.39495287
## 28512
                3.308132e-02 0.0275611024
                                                 0.0513580214 0.39495287
                8.286998e-03 0.0036401456
## 28513
                                                 0.0354803714 0.38248708
## 28514
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28515
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                                                 0.0354803714 0.38248708
## 28516
                8.286998e-03 0.0036401456
## 28517
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28518
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28519
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28520
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28521
                                                 0.0354803714 0.38248708
## 28522
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28523
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28524
## 28525
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28526
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28527
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28528
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28529
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28530
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28531
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28532
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28533
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28534
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28535
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28536
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28537
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28538
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28539
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28540
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28541
## 28542
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28543
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28544
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28545
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28546
                                                 0.0354803714 0.38248708
## 28547
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28548
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28549
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28550
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28551
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28552
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28553
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28554
## 28555
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28556
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28557
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28558
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28559
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
```

```
## 28560
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28561
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28562
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28563
                                                 0.0354803714 0.38248708
## 28564
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28565
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28566
                                                 0.0354803714 0.38248708
## 28567
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28568
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28569
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28570
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28571
                                                 0.0354803714 0.38248708
## 28572
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28573
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28574
## 28575
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28576
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28577
## 28578
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28579
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28580
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28581
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28582
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28583
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28584
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28585
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28586
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28587
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28588
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28589
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28590
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28591
## 28592
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28593
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28594
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28595
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28596
                                                 0.0354803714 0.38248708
## 28597
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28598
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28599
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28600
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28601
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28602
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28603
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28604
                8.286998e-03 0.0036401456
## 28605
                                                 0.0354803714 0.38248708
## 28606
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28607
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28608
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28609
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
```

```
## 28610
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28611
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28612
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28613
                                                 0.0354803714 0.38248708
## 28614
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28615
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28616
                                                 0.0354803714 0.38248708
## 28617
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28618
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28619
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28620
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28621
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28622
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28623
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28624
## 28625
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28626
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28627
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28628
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28629
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28630
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28631
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28632
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28633
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28634
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28635
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28636
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28637
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28638
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28639
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28640
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28641
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28642
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28643
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28644
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28645
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28646
                                                 0.0354803714 0.38248708
## 28647
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28648
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28649
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28650
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28651
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28652
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
## 28653
                                                 0.0354803714 0.38248708
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28654
                8.286998e-03 0.0036401456
## 28655
                                                 0.0354803714 0.38248708
## 28656
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28657
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28658
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
## 28659
                8.286998e-03 0.0036401456
                                                 0.0354803714 0.38248708
```

```
## 28660
                8.286998e-03 0.0036401456
                                                  0.0354803714 0.38248708
## 28661
                8.286998e-03 0.0036401456
                                                  0.0354803714 0.38248708
## 28662
                8.286998e-03 0.0036401456
                                                  0.0354803714 0.38248708
## 28663
                8.286998e-03 0.0036401456
                                                  0.0354803714 0.38248708
## 28664
                8.286998e-03 0.0036401456
                                                  0.0354803714 0.38248708
## 28665
                8.286998e-03 0.0036401456
                                                  0.0354803714 0.38248708
## 28666
                8.286998e-03 0.0036401456
                                                  0.0354803714 0.38248708
## 28667
                8.286998e-03 0.0036401456
                                                  0.0354803714 0.38248708
## 28668
                8.286998e-03 0.0036401456
                                                  0.0354803714 0.38248708
## 28669
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28670
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28671
                                                  0.0010494978 0.41471572
## 28672
                1.638422e-04 0.00000000000
## 28673
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28674
## 28675
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28676
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28677
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28678
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28679
                1.638422e-04 0.0000000000
                                                  0.0010494978 0.41471572
## 28680
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28681
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                                                  0.0010494978 0.41471572
## 28682
                1.638422e-04 0.00000000000
## 28683
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28684
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28685
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                                                  0.0010494978 0.41471572
## 28686
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28687
                1.638422e-04 0.00000000000
## 28688
                1.638422e-04 0.0000000000
                                                  0.0010494978 0.41471572
## 28689
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28690
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                1.638422e-04 0.00000000000
## 28691
                                                  0.0010494978 0.41471572
## 28692
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28693
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28694
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28695
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                                                  0.0010494978 0.41471572
## 28696
                1.638422e-04 0.00000000000
## 28697
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28698
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                                                  0.0010494978 0.41471572
## 28699
                1.638422e-04 0.00000000000
## 28700
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28701
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28702
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                                                  0.0010494978 0.41471572
## 28703
                1.638422e-04 0.00000000000
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28704
                1.638422e-04 0.00000000000
## 28705
                                                  0.0010494978 0.41471572
## 28706
                1.638422e-04 0.0000000000
                                                  0.0010494978 0.41471572
## 28707
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28708
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28709
                1.638422e-04 0.0000000000
                                                  0.0010494978 0.41471572
```

```
## 28710
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28711
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28712
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28713
## 28714
                1.638422e-04 0.0000000000
                                                  0.0010494978 0.41471572
## 28715
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28716
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28717
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                                                  0.0010494978 0.41471572
## 28718
                1.638422e-04 0.0000000000
## 28719
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28720
                1.638422e-04 0.0000000000
                                                  0.0010494978 0.41471572
                1.638422e-04 0.0000000000
                                                  0.0010494978 0.41471572
## 28721
## 28722
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28723
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28724
## 28725
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28726
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28727
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28728
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28729
                1.638422e-04 0.0000000000
                                                  0.0010494978 0.41471572
## 28730
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28731
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                                                  0.0010494978 0.41471572
## 28732
                1.638422e-04 0.00000000000
## 28733
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28734
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28735
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                                                  0.0010494978 0.41471572
## 28736
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28737
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28738
                1.638422e-04 0.00000000000
## 28739
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
## 28740
                1.638422e-04 0.00000000000
                                                  0.0010494978 0.41471572
                1.638422e-04 0.00000000000
## 28741
                                                  0.0010494978 0.41471572
## 28742
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28743
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28744
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28745
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28746
## 28747
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28748
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28749
## 28750
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28751
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28752
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28753
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28754
                8.432657e-02 0.0395215809
## 28755
                                                  0.2704814455 0.35877166
## 28756
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28757
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28758
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28759
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
```

```
## 28760
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28761
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28762
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28763
## 28764
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
## 28765
                8.432657e-02 0.0395215809
                                                  0.2704814455 0.35877166
                8.432657e-02 0.0395215809
## 28766
                                                 0.2704814455 0.35877166
## 28767
                3.714434e-05 0.00000000000
                                                  0.0003662683 0.41532381
## 28768
                3.714434e-05 0.0000000000
                                                  0.0003662683 0.41532381
## 28769
                3.714434e-05 0.00000000000
                                                  0.0003662683 0.41532381
## 28770
                3.714434e-05 0.0000000000
                                                  0.0003662683 0.41532381
                3.714434e-05 0.0000000000
## 28771
                                                  0.0003662683 0.41532381
## 28772
                3.714434e-05 0.0000000000
                                                 0.0003662683 0.41532381
## 28773
                3.714434e-05 0.0000000000
                                                 0.0003662683 0.41532381
                3.714434e-05 0.00000000000
                                                  0.0003662683 0.41532381
## 28774
## 28775
                3.714434e-05 0.00000000000
                                                 0.0003662683 0.41532381
## 28776
                3.714434e-05 0.0000000000
                                                  0.0003662683 0.41532381
## 28777
                3.714434e-05 0.0000000000
                                                  0.0003662683 0.41532381
## 28778
                3.714434e-05 0.0000000000
                                                  0.0003662683 0.41532381
## 28779
                3.714434e-05 0.00000000000
                                                  0.0003662683 0.41532381
## 28780
                3.714434e-05 0.0000000000
                                                 0.0003662683 0.41532381
## 28781
                1.002773e-01 0.0780031201
                                                  0.2763351055 0.30830040
## 28782
                1.002773e-01 0.0780031201
                                                  0.2763351055 0.30830040
## 28783
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28784
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28785
                1.002773e-01 0.0780031201
                                                  0.2763351055 0.30830040
## 28786
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28787
                1.002773e-01 0.0780031201
                                                  0.2763351055 0.30830040
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28788
## 28789
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28790
                                                 0.2763351055 0.30830040
                1.002773e-01 0.0780031201
## 28791
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28792
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28793
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28794
                1.002773e-01 0.0780031201
                                                  0.2763351055 0.30830040
## 28795
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28796
## 28797
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28798
                1.002773e-01 0.0780031201
                                                 0.2763351055 0.30830040
## 28799
                7.634851e-02 0.0400416017
                                                  0.2093570311 0.31894193
## 28800
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
## 28801
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
                7.634851e-02 0.0400416017
## 28802
                                                  0.2093570311 0.31894193
                7.634851e-02 0.0400416017
                                                  0.2093570311 0.31894193
## 28803
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
## 28804
                7.634851e-02 0.0400416017
## 28805
                                                  0.2093570311 0.31894193
## 28806
                7.634851e-02 0.0400416017
                                                  0.2093570311 0.31894193
                7.634851e-02 0.0400416017
## 28807
                                                 0.2093570311 0.31894193
## 28808
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
## 28809
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
```

```
## 28810
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
## 28811
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
## 28812
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
## 28813
## 28814
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
## 28815
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
## 28816
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
## 28817
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
                                                 0.2093570311 0.31894193
## 28818
                7.634851e-02 0.0400416017
## 28819
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
## 28820
                7.634851e-02 0.0400416017
                                                 0.2093570311 0.31894193
                4.602184e-02 0.0270410816
## 28821
                                                 0.1080555476 0.34721800
## 28822
                4.602184e-02 0.0270410816
                                                 0.1080555476 0.34721800
## 28823
                4.602184e-02 0.0270410816
                                                 0.1080555476 0.34721800
## 28824
                4.602184e-02 0.0270410816
                                                 0.1080555476 0.34721800
## 28825
                4.602184e-02 0.0270410816
                                                 0.1080555476 0.34721800
## 28826
                4.602184e-02 0.0270410816
                                                 0.1080555476 0.34721800
## 28827
                4.602184e-02 0.0270410816
                                                 0.1080555476 0.34721800
## 28828
                4.602184e-02 0.0270410816
                                                 0.1080555476 0.34721800
## 28829
                2.147686e-02 0.0179407176
                                                 0.0337752907 0.38643965
## 28830
                2.147686e-02 0.0179407176
                                                 0.0337752907 0.38643965
## 28831
                2.147686e-02 0.0179407176
                                                 0.0337752907 0.38643965
## 28832
                2.147686e-02 0.0179407176
                                                 0.0337752907 0.38643965
## 28833
                2.147686e-02 0.0179407176
                                                 0.0337752907 0.38643965
## 28834
                2.147686e-02 0.0179407176
                                                 0.0337752907 0.38643965
## 28835
                2.147686e-02 0.0179407176
                                                 0.0337752907 0.38643965
                                                 0.0337752907 0.38643965
## 28836
                2.147686e-02 0.0179407176
                2.147686e-02 0.0179407176
                                                 0.0337752907 0.38643965
## 28837
## 28838
                2.147686e-02 0.0179407176
                                                 0.0337752907 0.38643965
## 28839
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28840
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
                                                 0.0089319235 0.40833080
## 28841
                3.280131e-03 0.0020800832
## 28842
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28843
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28844
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28845
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28846
## 28847
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28848
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28849
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28850
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28851
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28852
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
                3.280131e-03 0.0020800832
## 28853
                                                 0.0089319235 0.40833080
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28854
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28855
## 28856
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28857
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28858
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28859
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
```

```
## 28860
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28861
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28862
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28863
## 28864
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28865
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28866
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28867
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
                                                 0.0089319235 0.40833080
## 28868
                3.280131e-03 0.0020800832
## 28869
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28870
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28871
## 28872
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28873
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28874
## 28875
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28876
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28877
                3.280131e-03 0.0020800832
                                                 0.0089319235 0.40833080
## 28878
                3.419137e-02 0.0174206968
                                                 0.1090378830 0.35846762
## 28879
                3.419137e-02 0.0174206968
                                                 0.1090378830 0.35846762
## 28880
                3.419137e-02 0.0174206968
                                                 0.1090378830 0.35846762
## 28881
                3.419137e-02 0.0174206968
                                                 0.1090378830 0.35846762
## 28882
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28883
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28884
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28885
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28886
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                                                 0.1854496299 0.25934935
## 28887
                1.809125e-02 0.0010400416
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28888
## 28889
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28890
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                1.809125e-02 0.0010400416
## 28891
                                                 0.1854496299 0.25934935
## 28892
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28893
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28894
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28895
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28896
## 28897
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28898
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28899
## 28900
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28901
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28902
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28903
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28904
                1.809125e-02 0.0010400416
## 28905
                                                 0.1854496299 0.25934935
## 28906
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28907
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28908
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28909
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
```

```
## 28910
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28911
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28912
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28913
## 28914
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28915
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28916
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28917
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                                                 0.1854496299 0.25934935
## 28918
                1.809125e-02 0.0010400416
## 28919
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28920
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28921
## 28922
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28923
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28924
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28925
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28926
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28927
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28928
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28929
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28930
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28931
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28932
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28933
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28934
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28935
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28936
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                                                 0.1854496299 0.25934935
## 28937
                1.809125e-02 0.0010400416
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28938
## 28939
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28940
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                1.809125e-02 0.0010400416
## 28941
                                                 0.1854496299 0.25934935
## 28942
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28943
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28944
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28945
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28946
## 28947
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28948
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28949
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28950
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28951
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28952
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28953
## 28954
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
                                                 0.1854496299 0.25934935
## 28955
                1.809125e-02 0.0010400416
## 28956
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28957
                1.809125e-02 0.0010400416
                                                 0.1854496299 0.25934935
## 28958
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28959
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
```

```
## 28960
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28961
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28962
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28963
## 28964
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28965
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28966
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28967
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                                                 0.0739392107 0.38339921
## 28968
                2.769317e-02 0.0182007280
## 28969
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28970
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28971
## 28972
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28973
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28974
## 28975
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28976
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28977
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                                                 0.0739392107 0.38339921
## 28978
                2.769317e-02 0.0182007280
## 28979
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28980
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28981
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                                                 0.0739392107 0.38339921
## 28982
                2.769317e-02 0.0182007280
## 28983
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28984
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28985
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                                                 0.0739392107 0.38339921
## 28986
                2.769317e-02 0.0182007280
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28987
                                                 0.0739392107 0.38339921
## 28988
                2.769317e-02 0.0182007280
## 28989
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28990
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                                                 0.0739392107 0.38339921
## 28991
                2.769317e-02 0.0182007280
## 28992
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28993
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28994
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28995
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28996
## 28997
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28998
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 28999
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29000
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29001
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29002
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29003
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29004
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29005
## 29006
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29007
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29008
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29009
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
```

```
## 29010
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29011
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29012
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29013
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29014
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29015
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                                                 0.0739392107 0.38339921
## 29016
                2.769317e-02 0.0182007280
## 29017
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                                                 0.0739392107 0.38339921
## 29018
                2.769317e-02 0.0182007280
## 29019
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
## 29020
                2.769317e-02 0.0182007280
                                                 0.0739392107 0.38339921
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29021
## 29022
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29023
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29024
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29025
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29026
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29027
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29028
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29029
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29030
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29031
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29032
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29033
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29034
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29035
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29036
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
                                                 0.2889723539 0.31742171
## 29037
                9.305772e-02 0.0473218929
## 29038
                                                 0.2889723539 0.31742171
                9.305772e-02 0.0473218929
## 29039
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
## 29040
                9.305772e-02 0.0473218929
                                                 0.2889723539 0.31742171
                2.843864e-03 0.0010400416
## 29041
                                                 0.0114479955 0.40346610
## 29042
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29043
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29044
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29045
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29046
## 29047
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29048
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29049
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29050
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29051
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29052
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29053
## 29054
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29055
                                                 0.0114479955 0.40346610
## 29056
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29057
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29058
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29059
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
```

```
## 29060
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29061
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29062
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29063
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29064
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29065
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29066
                                                 0.0114479955 0.40346610
## 29067
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29068
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29069
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29070
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29071
## 29072
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29073
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29074
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29075
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29076
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29077
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29078
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29079
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29080
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29081
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29082
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29083
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29084
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29085
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29086
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
                2.843864e-03 0.0010400416
## 29087
                                                 0.0114479955 0.40346610
## 29088
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29089
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29090
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29091
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29092
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29093
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29094
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29095
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29096
## 29097
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29098
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29099
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29100
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29101
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29102
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29103
## 29104
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29105
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29106
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29107
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29108
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29109
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
```

```
## 29110
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29111
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29112
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29113
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29114
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29115
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29116
                                                 0.0114479955 0.40346610
## 29117
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                                                 0.0114479955 0.40346610
## 29118
                2.843864e-03 0.0010400416
## 29119
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29120
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29121
## 29122
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29123
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29124
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29125
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29126
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29127
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29128
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29129
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29130
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29131
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                                                 0.0114479955 0.40346610
## 29132
                2.843864e-03 0.0010400416
## 29133
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29134
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29135
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                                                 0.0114479955 0.40346610
## 29136
                2.843864e-03 0.0010400416
                2.843864e-03 0.0010400416
## 29137
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29138
## 29139
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29140
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29141
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29142
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29143
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29144
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29145
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29146
## 29147
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29148
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                                                 0.0114479955 0.40346610
## 29149
                2.843864e-03 0.0010400416
## 29150
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29151
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29152
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29153
## 29154
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                2.843864e-03 0.0010400416
## 29155
                                                 0.0114479955 0.40346610
## 29156
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29157
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29158
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29159
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
```

```
## 29160
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29161
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29162
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29163
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
## 29164
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                                                 0.0114479955 0.40346610
## 29165
                2.843864e-03 0.0010400416
                2.843864e-03 0.0010400416
## 29166
                                                 0.0114479955 0.40346610
## 29167
                2.843864e-03 0.0010400416
                                                 0.0114479955 0.40346610
                                                 0.0114479955 0.40346610
## 29168
                2.843864e-03 0.0010400416
## 29169
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29170
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29171
## 29172
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29173
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29174
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29175
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29176
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29177
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29178
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29179
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29180
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29181
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29182
                1.628762e-02 0.0091003640
## 29183
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29184
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29185
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29186
                1.628762e-02 0.0091003640
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29187
                                                 0.0658992957 0.31650958
## 29188
                1.628762e-02 0.0091003640
## 29189
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29190
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29191
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29192
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29193
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29194
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29195
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29196
## 29197
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29198
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29199
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29200
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29201
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29202
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29203
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29204
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29205
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29206
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29207
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29208
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29209
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
```

```
## 29210
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29211
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29212
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29213
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29214
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29215
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
## 29216
                                                 0.0658992957 0.31650958
## 29217
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29218
                1.628762e-02 0.0091003640
## 29219
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29220
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29221
## 29222
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29223
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29224
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29225
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29226
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29227
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29228
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29229
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29230
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29231
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29232
                1.628762e-02 0.0091003640
## 29233
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29234
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29235
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29236
                1.628762e-02 0.0091003640
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29237
                                                 0.0658992957 0.31650958
## 29238
                1.628762e-02 0.0091003640
## 29239
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29240
                1.628762e-02 0.0091003640
## 29241
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29242
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29243
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29244
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29245
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29246
## 29247
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29248
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29249
## 29250
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29251
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29252
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29253
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29254
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29255
## 29256
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29257
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29258
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29259
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
```

```
## 29260
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29261
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29262
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29263
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29264
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29265
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
## 29266
                                                 0.0658992957 0.31650958
## 29267
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29268
                1.628762e-02 0.0091003640
## 29269
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29270
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29271
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29272
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29273
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29274
## 29275
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29276
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29277
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29278
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29279
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29280
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29281
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29282
                1.628762e-02 0.0091003640
## 29283
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29284
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29285
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29286
                1.628762e-02 0.0091003640
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29287
                                                 0.0658992957 0.31650958
## 29288
                1.628762e-02 0.0091003640
## 29289
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29290
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
## 29291
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29292
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29293
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29294
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29295
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29296
## 29297
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29298
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29299
## 29300
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29301
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29302
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29303
## 29304
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29305
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29306
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29307
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29308
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29309
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
```

```
## 29310
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29311
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29312
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29313
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29314
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29315
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
## 29316
                                                 0.0658992957 0.31650958
## 29317
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29318
                1.628762e-02 0.0091003640
## 29319
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29320
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29321
## 29322
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29323
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29324
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29325
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29326
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29327
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29328
                1.628762e-02 0.0091003640
## 29329
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29330
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29331
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29332
                1.628762e-02 0.0091003640
## 29333
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29334
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29335
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29336
                1.628762e-02 0.0091003640
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29337
                                                 0.0658992957 0.31650958
## 29338
                1.628762e-02 0.0091003640
## 29339
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29340
                1.628762e-02 0.0091003640
## 29341
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29342
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29343
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29344
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29345
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29346
## 29347
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29348
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29349
## 29350
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29351
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29352
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29353
## 29354
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
## 29355
                                                 0.0658992957 0.31650958
## 29356
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29357
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29358
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29359
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
```

```
## 29360
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29361
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29362
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29363
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29364
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29365
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
## 29366
                                                 0.0658992957 0.31650958
## 29367
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29368
                1.628762e-02 0.0091003640
## 29369
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29370
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29371
## 29372
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29373
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29374
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29375
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29376
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29377
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29378
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29379
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29380
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29381
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29382
                1.628762e-02 0.0091003640
## 29383
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29384
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
## 29385
                1.628762e-02 0.0091003640
                                                 0.0658992957 0.31650958
                                                 0.0658992957 0.31650958
## 29386
                1.628762e-02 0.0091003640
                                                 0.7392731340 0.15415020
## 29387
                2.642746e-01 0.2038481539
## 29388
                2.642746e-01 0.2038481539
                                                 0.7392731340 0.15415020
## 29389
                2.642746e-01 0.2038481539
                                                 0.7392731340 0.15415020
## 29390
                2.642746e-01 0.2038481539
                                                 0.7392731340 0.15415020
## 29391
                2.642746e-01 0.2038481539
                                                 0.7392731340 0.15415020
## 29392
                1.235338e-01 0.0837233489
                                                 0.2770344317 0.22408027
## 29393
                1.235338e-01 0.0837233489
                                                 0.2770344317 0.22408027
## 29394
                1.235338e-01 0.0837233489
                                                 0.2770344317 0.22408027
## 29395
                1.235338e-01 0.0837233489
                                                 0.2770344317 0.22408027
                1.235338e-01 0.0837233489
                                                 0.2770344317 0.22408027
## 29396
## 29397
                1.235338e-01 0.0837233489
                                                 0.2770344317 0.22408027
## 29398
                1.235338e-01 0.0837233489
                                                 0.2770344317 0.22408027
                1.235338e-01 0.0837233489
## 29399
                                                 0.2770344317 0.22408027
## 29400
                1.235338e-01 0.0837233489
                                                 0.2770344317 0.22408027
## 29401
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                                                 0.1057340068 0.38735178
## 29402
                2.519970e-02 0.0062402496
## 29403
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29404
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
## 29405
                                                 0.1057340068 0.38735178
## 29406
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
## 29407
                                                 0.1057340068 0.38735178
## 29408
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29409
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
```

```
## 29410
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29411
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29412
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29413
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29414
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29415
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29416
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29417
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29418
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29419
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29420
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29421
## 29422
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29423
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29424
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29425
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29426
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                                                 0.1057340068 0.38735178
## 29427
                2.519970e-02 0.0062402496
## 29428
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29429
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29430
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29431
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
## 29432
                                                 0.1057340068 0.38735178
## 29433
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29434
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29435
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
## 29436
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29437
## 29438
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29439
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29440
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29441
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29442
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29443
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29444
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29445
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29446
## 29447
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
## 29448
                                                 0.1057340068 0.38735178
## 29449
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29450
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29451
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29452
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
## 29453
                                                 0.1057340068 0.38735178
## 29454
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
## 29455
                                                 0.1057340068 0.38735178
## 29456
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
                2.519970e-02 0.0062402496
## 29457
                                                 0.1057340068 0.38735178
## 29458
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
## 29459
                2.519970e-02 0.0062402496
                                                 0.1057340068 0.38735178
```

```
## 29460
                2.519970e-02 0.0062402496
                                                  0.1057340068 0.38735178
## 29461
                2.519970e-02 0.0062402496
                                                  0.1057340068 0.38735178
## 29462
                1.787572e-04 0.0000000000
                                                  0.0011021565 0.41441168
## 29463
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29464
                1.787572e-04 0.0000000000
                                                  0.0011021565 0.41441168
## 29465
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
                1.787572e-04 0.0000000000
## 29466
                                                  0.0011021565 0.41441168
## 29467
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29468
                                                  0.0011021565 0.41441168
                1.787572e-04 0.0000000000
## 29469
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29470
                1.787572e-04 0.0000000000
                                                  0.0011021565 0.41441168
                1.787572e-04 0.0000000000
## 29471
                                                  0.0011021565 0.41441168
## 29472
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29473
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29474
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29475
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29476
                1.787572e-04 0.0000000000
                                                  0.0011021565 0.41441168
## 29477
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29478
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29479
                1.787572e-04 0.0000000000
                                                  0.0011021565 0.41441168
## 29480
                1.787572e-04 0.0000000000
                                                  0.0011021565 0.41441168
## 29481
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29482
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29483
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29484
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29485
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29486
                                                  0.0011021565 0.41441168
                1.787572e-04 0.0000000000
                                                  0.0011021565 0.41441168
## 29487
                1.787572e-04 0.0000000000
## 29488
                                                  0.0011021565 0.41441168
                1.787572e-04 0.00000000000
## 29489
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29490
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29491
                1.787572e-04 0.0000000000
                                                  0.0011021565 0.41441168
## 29492
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29493
                1.787572e-04 0.00000000000
                                                  0.0011021565 0.41441168
## 29494
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
## 29495
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
## 29496
## 29497
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
## 29498
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
## 29499
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
## 29500
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
## 29501
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
## 29502
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
## 29503
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
## 29504
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29505
                                                  0.2572771438 0.08148373
## 29506
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29507
                                                  0.2572771438 0.08148373
## 29508
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
## 29509
                8.136868e-02 0.0574622985
                                                  0.2572771438 0.08148373
```

```
## 29510
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29511
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29512
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29513
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29514
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29515
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                                                 0.2572771438 0.08148373
## 29516
                8.136868e-02 0.0574622985
## 29517
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29518
                                                 0.2572771438 0.08148373
## 29519
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29520
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29521
## 29522
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29523
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29524
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29525
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29526
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29527
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29528
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29529
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29530
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29531
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29532
                                                 0.2572771438 0.08148373
## 29533
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29534
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29535
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29536
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29537
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29538
## 29539
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29540
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29541
                                                 0.2572771438 0.08148373
## 29542
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29543
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29544
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29545
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29546
## 29547
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29548
                                                 0.2572771438 0.08148373
## 29549
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29550
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29551
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29552
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29553
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29554
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29555
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29556
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29557
                                                 0.2572771438 0.08148373
## 29558
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29559
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
```

```
## 29560
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29561
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29562
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29563
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29564
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29565
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                                                 0.2572771438 0.08148373
## 29566
                8.136868e-02 0.0574622985
## 29567
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29568
                                                 0.2572771438 0.08148373
## 29569
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29570
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29571
## 29572
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29573
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29574
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29575
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29576
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29577
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29578
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29579
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29580
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29581
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29582
                                                 0.2572771438 0.08148373
## 29583
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29584
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29585
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29586
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29587
## 29588
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29589
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29590
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29591
                                                 0.2572771438 0.08148373
## 29592
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29593
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29594
                                                 0.2572771438 0.08148373
## 29595
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29596
## 29597
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29598
                                                 0.2572771438 0.08148373
## 29599
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29600
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29601
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29602
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29603
                                                 0.2572771438 0.08148373
## 29604
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29605
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29606
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29607
                                                 0.2572771438 0.08148373
## 29608
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29609
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
```

```
## 29610
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29611
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29612
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29613
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29614
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29615
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29616
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29617
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29618
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29619
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29620
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29621
## 29622
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29623
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29624
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29625
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29626
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29627
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29628
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29629
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29630
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29631
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29632
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29633
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29634
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29635
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29636
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29637
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29638
## 29639
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29640
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29641
                                                 0.2572771438 0.08148373
## 29642
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29643
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29644
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29645
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29646
## 29647
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29648
                                                 0.2572771438 0.08148373
## 29649
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29650
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29651
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29652
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29653
                                                 0.2572771438 0.08148373
## 29654
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29655
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29656
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29657
                                                 0.2572771438 0.08148373
## 29658
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29659
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
```

```
## 29660
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29661
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29662
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29663
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29664
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29665
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29666
## 29667
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29668
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29669
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29670
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29671
## 29672
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29673
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29674
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29675
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29676
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29677
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29678
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29679
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29680
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29681
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29682
                                                 0.2572771438 0.08148373
## 29683
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29684
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29685
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29686
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29687
## 29688
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29689
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29690
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29691
                                                 0.2572771438 0.08148373
## 29692
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29693
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29694
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29695
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29696
## 29697
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29698
                                                 0.2572771438 0.08148373
## 29699
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29700
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29701
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29702
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29703
                                                 0.2572771438 0.08148373
## 29704
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29705
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
## 29706
                8.136868e-02 0.0574622985
                                                 0.2572771438 0.08148373
                8.136868e-02 0.0574622985
## 29707
                                                 0.2572771438 0.08148373
## 29708
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29709
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
```

```
## 29710
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29711
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29712
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29713
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29714
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29715
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29716
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29717
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29718
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29719
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29720
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
                2.206534e-02 0.0145605824
## 29721
                                                 0.0663662689 0.36515658
## 29722
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29723
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29724
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29725
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29726
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
                                                 0.0663662689 0.36515658
## 29727
                2.206534e-02 0.0145605824
## 29728
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29729
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29730
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29731
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
                2.206534e-02 0.0145605824
## 29732
                                                 0.0663662689 0.36515658
## 29733
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29734
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29735
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
                2.206534e-02 0.0145605824
## 29736
                                                 0.0663662689 0.36515658
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29737
## 29738
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29739
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29740
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29741
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29742
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29743
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29744
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29745
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29746
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29747
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29748
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29749
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29750
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29751
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29752
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29753
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29754
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29755
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29756
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
                2.206534e-02 0.0145605824
## 29757
                                                 0.0663662689 0.36515658
## 29758
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
## 29759
                2.206534e-02 0.0145605824
                                                 0.0663662689 0.36515658
```

```
## 29760
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29761
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29762
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29763
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29764
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29765
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
                2.206534e-02 0.0145605824
## 29766
                                                  0.0663662689 0.36515658
## 29767
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29768
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29769
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29770
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
                2.206534e-02 0.0145605824
## 29771
                                                  0.0663662689 0.36515658
## 29772
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29773
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29774
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29775
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29776
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
                                                  0.0663662689 0.36515658
## 29777
                2.206534e-02 0.0145605824
## 29778
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29779
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
                                                  0.0663662689 0.36515658
## 29780
                2.206534e-02 0.0145605824
## 29781
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29782
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29783
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29784
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29785
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29786
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29787
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
## 29788
                2.206534e-02 0.0145605824
                                                  0.0663662689 0.36515658
##
           X806.0.3 X4.970149253731344
                                            X0.0.6 X69.85058043098057
## 28004 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28005 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28006 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28007 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28008 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28009 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28010 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28011 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28012 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
                             0.09940147 0.12980552
## 28013 0.15812527
                                                          0.0407422066
## 28014 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28015 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28016 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28017 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
                             0.09940147 0.12980552
## 28018 0.15812527
                                                          0.0407422066
                             0.09940147 0.12980552
## 28019 0.15812527
                                                          0.0407422066
## 28020 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28021 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28022 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
## 28023 0.15812527
                             0.09940147 0.12980552
                                                          0.0407422066
```

## 28024 0.15812527	0.09940147 0.12980552	0.0407422066
## 28025 0.15812527	0.09940147 0.12980552	0.0407422066
## 28026 0.15812527	0.09940147 0.12980552	0.0407422066
## 28027 0.15812527	0.09940147 0.12980552	0.0407422066
## 28028 0.15812527	0.09940147 0.12980552	0.0407422066
## 28029 0.15812527	0.09940147 0.12980552	0.0407422066
## 28030 0.15812527	0.09940147 0.12980552	0.0407422066
## 28031 0.15812527	0.09940147 0.12980552	0.0407422066
## 28032 0.15812527	0.09940147 0.12980552	0.0407422066
## 28033 0.15812527	0.09940147 0.12980552	0.0407422066
## 28034 0.15812527	0.09940147 0.12980552	0.0407422066
## 28035 0.15812527	0.09940147 0.12980552	0.0407422066
## 28036 0.15812527	0.09940147 0.12980552	0.0407422066
## 28037 0.15812527	0.09940147 0.12980552	0.0407422066
## 28038 0.15812527	0.09940147 0.12980552	0.0407422066
## 28039 0.15812527	0.09940147 0.12980552	0.0407422066
## 28040 0.15812527	0.09940147 0.12980552	0.0407422066
## 28041 0.15812527	0.09940147 0.12980552	0.0407422066
## 28042 0.15812527	0.09940147 0.12980552	0.0407422066
## 28043 0.15812527	0.09940147 0.12980552	0.0407422066
## 28044 0.15812527	0.09940147 0.12980552	0.0407422066
## 28045 0.15812527	0.09940147 0.12980552	0.0407422066
## 28046 0.15812527	0.09940147 0.12980552	0.0407422066
## 28047 0.15812527	0.09940147 0.12980552	0.0407422066
## 28048 0.15812527	0.09940147 0.12980552	0.0407422066
## 28049 0.15812527	0.09940147 0.12980552	0.0407422066
## 28050 0.15812527	0.09940147 0.12980552	0.0407422066
## 28051 0.15812527	0.09940147 0.12980552	0.0407422066
## 28052 0.15812527	0.09940147 0.12980552	0.0407422066
## 28053 0.15812527	0.09940147 0.12980552	0.0407422066
## 28054 0.15812527	0.09940147 0.12980552	0.0407422066
## 28055 0.15812527	0.09940147 0.12980552	0.0407422066
## 28056 0.15812527	0.09940147 0.12980552	0.0407422066
## 28057 0.15812527	0.09940147 0.12980552	0.0407422066
## 28058 0.15812527	0.09940147 0.12980552	0.0407422066
## 28059 0.15812527	0.09940147 0.12980552	0.0407422066
## 28060 0.15812527	0.09940147 0.12980552	0.0407422066
## 28061 0.15812527	0.09940147 0.12980552	0.0407422066
## 28062 0.15812527	0.09940147 0.12980552	0.0407422066
## 28063 0.15812527	0.09940147 0.12980552	0.0407422066
## 28064 0.15812527	0.09940147 0.12980552	0.0407422066
## 28065 0.15812527	0.09940147 0.12980552	0.0407422066
## 28066 0.15812527	0.09940147 0.12980552	0.0407422066
## 28067 0.15812527	0.09940147 0.12980552	0.0407422066
## 28068 0.15812527	0.09940147 0.12980552	0.0407422066
## 28069 0.15812527	0.09940147 0.12980552	0.0407422066
## 28070 0.15812527	0.09940147 0.12980552	0.0407422066
## 28071 0.15812527	0.09940147 0.12980552	0.0407422066
## 28072 0.15812527	0.09940147 0.12980552	0.0407422066
## 28073 0.15812527	0.09940147 0.12980552	0.0407422066

##	28074	0.15812527	0.09940147	0.12980552	0.0407422066
		0.15812527	0.09940147		0.0407422066
##	28076	0.15812527	0.09940147		0.0407422066
##	28077	0.15812527	0.09940147	0.12980552	0.0407422066
##	28078	0.15812527	0.09940147	0.12980552	0.0407422066
##	28079	0.15812527	0.09940147	0.12980552	0.0407422066
##	28080	0.15812527	0.09940147	0.12980552	0.0407422066
##	28081	0.15812527	0.09940147	0.12980552	0.0407422066
##	28082	0.15812527	0.09940147	0.12980552	0.0407422066
##	28083	0.15812527	0.09940147	0.12980552	0.0407422066
##	28084	0.15812527	0.09940147	0.12980552	0.0407422066
##	28085	0.15812527	0.09940147	0.12980552	0.0407422066
##	28086	0.15812527	0.09940147	0.12980552	0.0407422066
##	28087	0.15812527	0.09940147	0.12980552	0.0407422066
##	28088	0.15812527	0.09940147	0.12980552	0.0407422066
##	28089	0.15812527	0.09940147	0.12980552	0.0407422066
##	28090	0.15812527	0.09940147	0.12980552	0.0407422066
##	28091	0.09592641	0.09915371	0.13025780	0.0050534392
##	28092	0.09592641	0.09915371	0.13025780	0.0050534392
##	28093	0.09592641	0.09915371	0.13025780	0.0050534392
##	28094	0.09592641	0.09915371	0.13025780	0.0050534392
##	28095	0.09592641	0.09915371	0.13025780	0.0050534392
##	28096	0.09592641	0.09915371	0.13025780	0.0050534392
##	28097	0.09592641	0.09915371	0.13025780	0.0050534392
##	28098	0.09592641	0.09915371	0.13025780	0.0050534392
##	28099	0.09592641	0.09915371	0.13025780	0.0050534392
##	28100	0.09592641	0.09915371	0.13025780	0.0050534392
##	28101	0.09592641	0.09915371	0.13025780	0.0050534392
##	28102	0.09592641	0.09915371	0.13025780	0.0050534392
##	28103	0.09592641	0.09915371	0.13025780	0.0050534392
##	28104	0.09592641	0.09915371	0.13025780	0.0050534392
##	28105	0.09592641	0.09915371		0.0050534392
##	28106	0.09592641	0.09915371	0.13025780	0.0050534392
##	28107	0.09592641	0.09915371	0.13025780	0.0050534392
##	28108	0.09592641	0.09915371	0.13025780	0.0050534392
##	28109	0.09592641	0.09915371	0.13025780	0.0050534392
		0.09592641	0.09915371		0.0050534392
##	28111	0.09592641	0.09915371	0.13025780	0.0050534392
##	28112	0.09592641	0.09915371	0.13025780	0.0050534392
		0.09592641	0.09915371	0.13025780	0.0050534392
##	28114	0.09592641	0.09915371	0.13025780	0.0050534392
##	28115	0.09592641	0.09915371	0.13025780	0.0050534392
##	28116	0.09592641	0.09915371	0.13025780	0.0050534392
##	28117	0.09592641	0.09915371	0.13025780	0.0050534392
##	28118	0.09592641	0.09915371	0.13025780	0.0050534392
##	28119	0.09592641	0.09915371	0.13025780	0.0050534392
##	28120	0.09592641	0.09915371	0.13025780	0.0050534392
##	28121	0.09592641	0.09915371	0.13025780	0.0050534392
		0.09592641	0.09915371		0.0050534392
##	28123	0.09592641	0.09915371	0.13025780	0.0050534392

##	28124	0.09592641	0.09915371	0.13025780	0.0050534392
##	28125	0.09592641	0.09915371	0.13025780	0.0050534392
##	28126	0.09592641	0.09915371	0.13025780	0.0050534392
##	28127	0.09592641	0.09915371	0.13025780	0.0050534392
##	28128	0.09592641	0.09915371	0.13025780	0.0050534392
##	28129	0.09592641	0.09915371	0.13025780	0.0050534392
##	28130	0.09592641	0.09915371	0.13025780	0.0050534392
##	28131	0.09592641	0.09915371	0.13025780	0.0050534392
##	28132	0.09592641	0.09915371	0.13025780	0.0050534392
##	28133	0.09592641	0.09915371	0.13025780	0.0050534392
##	28134	0.09592641	0.09915371	0.13025780	0.0050534392
##	28135	0.09592641	0.09915371		0.0050534392
##	28136	0.09198423	0.09889096	0.13025780	0.0026432983
##	28137	0.09198423	0.09889096	0.13025780	0.0026432983
##	28138	0.09198423	0.09889096	0.13025780	0.0026432983
##	28139	0.09198423	0.09889096	0.13025780	0.0026432983
##	28140	0.09198423	0.09889096	0.13025780	0.0026432983
##	28141	0.09198423	0.09889096	0.13025780	0.0026432983
##	28142	0.09198423	0.09889096	0.13025780	0.0026432983
##	28143	0.09198423	0.09889096	0.13025780	0.0026432983
##	28144	0.09198423	0.09889096	0.13025780	0.0026432983
##	28145	0.09198423		0.13025780	0.0026432983
##	28146	0.09198423	0.09889096	0.13025780	0.0026432983
##	28147	0.09198423	0.09889096	0.13025780	0.0026432983
##	28148	0.09198423	0.09889096	0.13025780	0.0026432983
##	28149	0.09198423	0.09889096	0.13025780	0.0026432983
##	28150	0.09198423	0.09889096	0.13025780	0.0026432983
##	28151	0.09198423	0.09889096	0.13025780	0.0026432983
		0.09198423	0.09889096	0.13025780	0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.09198423	0.09889096	0.13025780	0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.09198423		0.13025780	0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.09198423		0.13025780	0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.09198423	0.09889096		0.0026432983
		0.14848883	0.08282441		0.1102153405
		0.14848883	0.08282441		0.1102153405
		0.14848883	0.08282441		0.1102153405
		0.14848883	0.08282441		0.1102153405
		0.14848883		0.12234283	0.1102153405
		0.14848883	0.08282441		0.1102153405
##	28173	0.14848883	0.08282441	0.12234283	0.1102153405

##	28174 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28175 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28176 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28177 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28178 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28179 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28180 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28181 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28182 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28183 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28184 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28185 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28186 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28187 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28188 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28189 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28190 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28191 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28192 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28193 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28194 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28195 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28196 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28197 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28198 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28199 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28200 0.	14848883	0.08282441	0.12234283	0.1102153405
##	28201 0.	.09110819	0.09887248	0.13025780	0.0019994020
##	28202 0.	.09110819	0.09887248	0.13025780	0.0019994020
##	28203 0.	09110819	0.09887248	0.13025780	0.0019994020
##	28204 0.	09110819	0.09887248	0.13025780	0.0019994020
##	28205 0.	09110819	0.09887248	0.13025780	0.0019994020
			0.09887248	0.13025780	0.0019994020
##	28207 0.	09110819	0.09887248	0.13025780	0.0019994020
##	28208 0.	09110819	0.09887248	0.13025780	0.0019994020
##	28209 0.		0.09887248		0.0019994020
##	28210 0.	13534823	0.09896048	0.13025780	0.0161981166
##	28211 0.	13534823	0.09896048	0.13025780	0.0161981166
			0.09896048	0.13025780	0.0161981166
##	28213 0.	13534823	0.09896048	0.13025780	0.0161981166
##	28214 0.	13534823	0.09896048	0.13025780	0.0161981166
##	28215 0.		0.09896048		0.0161981166
			0.09896048		0.0161981166
			0.09896048		0.0161981166
			0.09896048		0.0161981166
			0.09896048		0.0161981166
			0.09896048		0.0161981166
			0.09896048		0.0161981166
			0.09896048		0.0161981166
##	28223 0.	13534823	0.09896048	0.13025780	0.0161981166

## 28224 0.13534823	0.09896048 0.13025780	0.0161981166
## 28225 0.13534823	0.09896048 0.13025780	0.0161981166
## 28226 0.13534823	0.09896048 0.13025780	0.0161981166
## 28227 0.13534823	0.09896048 0.13025780	0.0161981166
## 28228 0.13534823	0.09896048 0.13025780	0.0161981166
## 28229 0.13534823	0.09896048 0.13025780	0.0161981166
## 28230 0.13534823	0.09896048 0.13025780	0.0161981166
## 28231 0.13534823	0.09896048 0.13025780	0.0161981166
## 28232 0.13534823	0.09896048 0.13025780	0.0161981166
## 28233 0.13534823	0.09896048 0.13025780	0.0161981166
## 28234 0.13534823	0.09896048 0.13025780	0.0161981166
## 28235 0.13534823	0.09896048 0.13025780	0.0161981166
## 28236 0.13534823	0.09896048 0.13025780	0.0161981166
## 28237 0.13534823	0.09896048 0.13025780	0.0161981166
## 28238 0.13534823	0.09896048 0.13025780	0.0161981166
## 28239 0.13534823	0.09896048 0.13025780	0.0161981166
## 28240 0.13534823	0.09896048 0.13025780	0.0161981166
## 28241 0.13534823	0.09896048 0.13025780	0.0161981166
## 28242 0.13534823	0.09896048 0.13025780	0.0161981166
## 28243 0.13534823	0.09896048 0.13025780	0.0161981166
## 28244 0.13534823	0.09896048 0.13025780	0.0161981166
## 28245 0.13534823	0.09896048 0.13025780	0.0161981166
## 28246 0.13534823	0.09896048 0.13025780	0.0161981166
## 28247 0.13534823	0.09896048 0.13025780	0.0161981166
## 28248 0.13534823	0.09896048 0.13025780	0.0161981166
## 28249 0.13534823	0.09896048 0.13025780	0.0161981166
## 28250 0.13534823	0.09896048 0.13025780	0.0161981166
## 28251 0.13534823	0.09896048 0.13025780	0.0161981166
## 28252 0.13534823	0.09896048 0.13025780	0.0161981166
## 28253 0.13534823	0.09896048 0.13025780	0.0161981166
## 28254 0.13534823	0.09896048 0.13025780	0.0161981166
## 28255 0.13534823	0.09896048 0.13025780	0.0161981166
## 28256 0.13534823	0.09896048 0.13025780	0.0161981166
## 28257 0.13534823	0.09896048 0.13025780	0.0161981166
## 28258 0.13534823	0.09896048 0.13025780	0.0161981166
## 28259 0.13534823	0.09896048 0.13025780	0.0161981166
## 28260 0.13534823	0.09896048 0.13025780	0.0161981166
## 28261 0.13534823	0.09896048 0.13025780	0.0161981166
## 28262 0.13534823	0.09896048 0.13025780	0.0161981166
## 28263 0.13534823	0.09896048 0.13025780	0.0161981166
## 28264 0.13534823	0.09896048 0.13025780	0.0161981166
## 28265 0.13534823	0.09896048 0.13025780	0.0161981166
## 28266 0.13534823	0.09896048 0.13025780	0.0161981166
## 28267 0.13534823	0.09896048 0.13025780	0.0161981166
## 28268 0.13534823	0.09896048 0.13025780	0.0161981166
## 28269 0.13534823	0.09896048 0.13025780	0.0161981166
## 28270 0.13534823	0.09896048 0.13025780	0.0161981166
## 28271 0.13534823	0.09896048 0.13025780	0.0161981166
## 28272 0.13534823	0.09896048 0.13025780	0.0161981166
## 28273 0.13534823	0.09896048 0.13025780	0.0161981166

## 28274 0.13534823	0.09896048 0.13025780	0.0161981166
## 28275 0.13534823	0.09896048 0.13025780	0.0161981166
## 28276 0.13534823	0.09896048 0.13025780	0.0161981166
## 28277 0.13534823	0.09896048 0.13025780	0.0161981166
## 28278 0.13534823	0.09896048 0.13025780	0.0161981166
## 28279 0.13534823	0.09896048 0.13025780	0.0161981166
## 28280 0.13534823	0.09896048 0.13025780	0.0161981166
## 28281 0.13534823	0.09896048 0.13025780	0.0161981166
## 28282 0.13534823	0.09896048 0.13025780	0.0161981166
## 28283 0.13534823	0.09896048 0.13025780	0.0161981166
## 28284 0.13534823	0.09896048 0.13025780	0.0161981166
## 28285 0.1 3534823	0.09896048 0.13025780	0.0161981166
## 28286 0.13534823	0.09896048 0.13025780	0.0161981166
## 28287 0.13534823	0.09896048 0.13025780	0.0161981166
## 28288 0.13534823	0.09896048 0.13025780	0.0161981166
## 28289 0.13534823	0.09896048 0.13025780	0.0161981166
## 28290 0.13534823	0.09896048 0.13025780	0.0161981166
## 28291 0.13534823	0.09896048 0.13025780	0.0161981166
## 28292 0.13534823	0.09896048 0.13025780	0.0161981166
## 28293 0.13534823	0.09896048 0.13025780	0.0161981166
## 28294 0.13534823	0.09896048 0.13025780	0.0161981166
## 28295 0.13534823	0.09896048 0.13025780	0.0161981166
## 28296 0.13534823	0.09896048 0.13025780	0.0161981166
## 28297 0.11081910	0.09709884 0.13025780	0.0327053174
## 28298 0.11081910	0.09709884 0.13025780	0.0327053174
## 28299 0.11081910	0.09709884 0.13025780	0.0327053174
## 28300 0.11081910	0.09709884 0.13025780	0.0327053174
## 28301 0.11081910	0.09709884 0.13025780	0.0327053174
## 28302 0.11081910	0.09709884 0.13025780	0.0327053174
## 28303 0.11081910	0.09709884 0.13025780	0.0327053174
## 28304 0.11081910	0.09709884 0.13025780	0.0327053174
## 28305 0.11081910	0.09709884 0.13025780	0.0327053174
## 28306 0.11081910	0.09709884 0.13025780	0.0327053174
## 28307 0.11081910	0.09709884 0.13025780	0.0327053174
## 28308 0.11081910	0.09709884 0.13025780	0.0327053174
## 28309 0.11081910	0.09709884 0.13025780	0.0327053174
## 28310 0.11081910	0.09709884 0.13025780	0.0327053174
## 28311 0.11081910	0.09709884 0.13025780	0.0327053174
## 28312 0.11081910	0.09709884 0.13025780	0.0327053174
## 28313 0.11081910	0.09709884 0.13025780	0.0327053174
## 28314 0.11081910	0.09709884 0.13025780	0.0327053174
## 28315 0.11081910	0.09709884 0.13025780	0.0327053174
## 28316 0.11081910	0.09709884 0.13025780	0.0327053174
## 28317 0.11081910	0.09709884 0.13025780	0.0327053174
## 28318 0.11081910	0.09709884 0.13025780	0.0327053174
## 28319 0.11081910	0.09709884 0.13025780	0.0327053174
## 28320 0.11081910	0.09709884 0.13025780	0.0327053174
## 28321 0.11081910	0.09709884 0.13025780	0.0327053174
## 28322 0.11081910	0.09709884 0.13025780	0.0327053174
## 28323 0.11081910	0.09709884 0.13025780	0.0327053174

##	28324 0.11081910	0.09709884 0.13025780	0.0327053174
	28325 0.11081910	0.09709884 0.13025780	0.0327053174
	28326 0.11081910	0.09709884 0.13025780	0.0327053174
	28327 0.11081910	0.09709884 0.13025780	0.0327053174
##	28328 0.11081910	0.09709884 0.13025780	0.0327053174
	28329 0.11081910	0.09709884 0.13025780	0.0327053174
	28330 0.11081910	0.09709884 0.13025780	0.0327053174
##	28331 0.11081910	0.09709884 0.13025780	0.0327053174
	28332 0.11081910	0.09709884 0.13025780	0.0327053174
	28333 0.11081910	0.09709884 0.13025780	0.0327053174
	28334 0.11081910	0.09709884 0.13025780	0.0327053174
	28335 0.11081910	0.09709884 0.13025780	0.0327053174
	28336 0.11081910	0.09709884 0.13025780	0.0327053174
	28337 0.11081910	0.09709884 0.13025780	0.0327053174
##	28338 0.11081910	0.09709884 0.13025780	0.0327053174
##	28339 0.11081910	0.09709884 0.13025780	0.0327053174
##	28340 0.11081910	0.09709884 0.13025780	0.0327053174
##	28341 0.11081910	0.09709884 0.13025780	0.0327053174
	28342 0.11081910	0.09709884 0.13025780	0.0327053174
	28343 0.11081910	0.09709884 0.13025780	0.0327053174
	28344 0.11081910	0.09709884 0.13025780	0.0327053174
##	28345 0.11081910	0.09709884 0.13025780	0.0327053174
##	28346 0.11081910	0.09709884 0.13025780	0.0327053174
	28347 0.11081910	0.09709884 0.13025780	0.0327053174
##	28348 0.11081910	0.09709884 0.13025780	0.0327053174
##	28349 0.11081910	0.09709884 0.13025780	0.0327053174
##	28350 0.09592641	0.09821348 0.13025780	0.0058197721
##	28351 0.09592641	0.09821348 0.13025780	0.0058197721
	28352 0.09592641	0.09821348 0.13025780	0.0058197721
	28353 0.09592641	0.09821348 0.13025780	0.0058197721
	28354 0.09592641	0.09821348 0.13025780	0.0058197721
	28355 0.09592641	0.09821348 0.13025780	0.0058197721
	28356 0.09592641	0.09821348 0.13025780	0.0058197721
	28357 0.09592641	0.09821348 0.13025780	0.0058197721
	28358 0.09592641	0.09821348 0.13025780	0.0058197721
	28359 0.09592641	0.09821348 0.13025780	0.0058197721
	28360 0.09592641	0.09821348 0.13025780	0.0058197721
	28361 0.09592641	0.09821348 0.13025780	0.0058197721
	28362 0.09592641	0.09821348 0.13025780	0.0058197721
	28363 0.09592641	0.09821348 0.13025780	0.0058197721
	28364 0.09592641	0.09821348 0.13025780	0.0058197721
	28365 0.09592641	0.09821348 0.13025780	0.0058197721
	28366 0.09592641	0.09821348 0.13025780	0.0058197721
	28367 0.09592641	0.09821348 0.13025780	0.0058197721
	28368 0.09592641	0.09821348 0.13025780	0.0058197721
	28369 0.09592641	0.09821348 0.13025780	0.0058197721
	28370 0.09592641	0.09821348 0.13025780	0.0058197721
	28371 0.09592641	0.09821348 0.13025780	0.0058197721
	28372 0.09592641	0.09821348 0.13025780	0.0058197721
##	28373 0.09592641	0.09821348 0.13025780	0.0058197721

## 283	74 0.09592641	0.09821348	0.13025780	0.0058197721
	75 0.09592641		0.13025780	0.0058197721
## 283	76 0.09592641	0.09821348	0.13025780	0.0058197721
	77 0.09592641		0.13025780	0.0058197721
## 283	78 0.09592641	0.09821348	0.13025780	0.0058197721
	79 0.09592641		0.13025780	0.0058197721
## 283	80 0.09592641	0.09821348	0.13025780	0.0058197721
	81 0.09592641	0.09821348	0.13025780	0.0058197721
	82 0.09592641		0.13025780	0.0058197721
	83 0.09592641		0.13025780	0.0058197721
	84 0.09592641		0.13025780	0.0058197721
	85 0.09592641		0.13025780	0.0058197721
	86 0.09592641		0.13025780	0.0058197721
	87 0.09592641		0.13025780	0.0058197721
	88 0.09592641		0.13025780	0.0058197721
	89 0.09592641		0.13025780	0.0058197721
	90 0.09592641		0.13025780	0.0058197721
	91 0.09592641		0.13025780	0.0058197721
	92 0.09592641		0.13025780	0.0058197721
	93 0.09592641		0.13025780	0.0058197721
	94 0.09592641		0.13025780	0.0058197721
	95 0.09592641		0.13025780	0.0058197721
	96 0.09592641		0.13025780	0.0058197721
	97 0.09592641		0.13025780	0.0058197721
	98 0.09592641		0.13025780	0.0058197721
	99 0.09592641		0.13025780	0.0058197721
	00 0.09592641		0.13025780	0.0058197721
	01 0.09592641		0.13025780	0.0058197721
	02 0.09023215		0.13025780	0.0006754211
	03 0.09023215		0.13025780	0.0006754211
	04 0.09023215		0.13025780	0.0006754211
	05 0.09023215		0.13025780	0.0006754211
	06 0.09023215		0.13025780	0.0006754211
	07 0.09023215		0.13025780	0.0006754211
	08 0.09023215		0.13025780	0.0006754211
	09 0.09023215		0.13025780	0.0006754211
	10 0.09023215		0.13025780	0.0006754211
	11 0.09023215		0.13025780	0.0006754211
	12 0.09023215		0.13025780	0.0006754211
	13 0.09023215		0.13025780	0.0006754211
	14 0.09023215		0.13025780	0.0006754211
	15 0.09023215		0.13025780	0.0006754211
	16 0.09023215		0.13025780	0.0006754211
	17 0.09023215		0.13025780	0.0006754211
	18 0.09023215		0.13025780	0.0006754211
	19 0.09023215		0.13025780	0.0006754211
	20 0.09023215		0.13025780	0.0006754211
	21 0.09023215		0.13025780	0.0006754211
	22 0.09023215		0.13025780	0.0006754211
## 284	23 0.09023215	0.0986641/	0.13025780	0.0006754211

```
## 28424 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28425 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28426 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28427 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28428 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28429 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
                             0.09866417 0.13025780
## 28430 0.09023215
                                                          0.0006754211
## 28431 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28432 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28433 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28434 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
                             0.09866417 0.13025780
## 28435 0.09023215
                                                          0.0006754211
                                                          0.0006754211
## 28436 0.09023215
                             0.09866417 0.13025780
## 28437 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28438 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28439 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28440 0.09023215
                             0.09866417 0.13025780
                                                          0.0006754211
## 28441 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28442 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28443 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28444 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28445 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
                             0.12588492 0.14427861
## 28446 0.58738502
                                                          0.3057413100
## 28447 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28448 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28449 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28450 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28451 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28452 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28453 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
                             0.12588492 0.14427861
## 28454 0.58738502
                                                          0.3057413100
## 28455 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28456 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28457 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28458 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28459 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28460 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28461 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28462 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28463 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28464 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28465 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28466 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28467 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28468 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28469 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28470 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28471 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28472 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28473 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
```

```
## 28474 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28475 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28476 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
                             0.12588492 0.14427861
## 28477 0.58738502
                                                          0.3057413100
## 28478 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28479 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28480 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28481 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28482 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28483 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28484 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
                             0.12588492 0.14427861
## 28485 0.58738502
                                                          0.3057413100
## 28486 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28487 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28488 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28489 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28490 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28491 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28492 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28493 0.58738502
                             0.12588492 0.14427861
                                                          0.3057413100
## 28494 0.67586509
                             0.11842825 0.000000000
                                                          0.9304398062
## 28495 0.67586509
                             0.11842825 0.000000000
                                                          0.9304398062
## 28496 0.67586509
                             0.11842825 0.000000000
                                                          0.9304398062
## 28497 0.67586509
                             0.11842825 0.000000000
                                                          0.9304398062
## 28498 0.67586509
                             0.11842825 0.00000000
                                                          0.9304398062
## 28499 0.67586509
                             0.11842825 0.000000000
                                                          0.9304398062
## 28500 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
## 28501 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
                             0.10425267 0.13930348
## 28502 0.15505913
                                                          0.0773694117
## 28503 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
## 28504 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
## 28505 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
## 28506 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
## 28507 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
## 28508 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
## 28509 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
## 28510 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
## 28511 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
## 28512 0.15505913
                             0.10425267 0.13930348
                                                          0.0773694117
                             0.09873327 0.13025780
## 28513 0.15549715
                                                          0.0297203722
## 28514 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28515 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28516 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28517 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
                             0.09873327 0.13025780
                                                          0.0297203722
## 28518 0.15549715
## 28519 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28520 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28521 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28522 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28523 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
```

## 28524 0.15549715	0.09873327 0.13025780	0.0297203722
## 28525 0.15549715	0.09873327 0.13025780	0.0297203722
## 28526 0.15549715	0.09873327 0.13025780	0.0297203722
## 28527 0.15549715	0.09873327 0.13025780	0.0297203722
## 28528 0.15549715	0.09873327 0.13025780	0.0297203722
## 28529 0.15549715	0.09873327 0.13025780	0.0297203722
## 28530 0.15549715	0.09873327 0.13025780	0.0297203722
## 28531 0.15549715	0.09873327 0.13025780	0.0297203722
## 28532 0.15549715	0.09873327 0.13025780	0.0297203722
## 28533 0.15549715	0.09873327 0.13025780	0.0297203722
## 28534 0.15549715	0.09873327 0.13025780	0.0297203722
## 28535 0.15549715	0.09873327 0.13025780	0.0297203722
## 28536 0.15549715	0.09873327 0.13025780	0.0297203722
## 28537 0.15549715	0.09873327 0.13025780	0.0297203722
## 28538 0.15549715	0.09873327 0.13025780	0.0297203722
## 28539 0.15549715	0.09873327 0.13025780	0.0297203722
## 28540 0.15549715	0.09873327 0.13025780	0.0297203722
## 28541 0.15549715	0.09873327 0.13025780	0.0297203722
## 28542 0.15549715	0.09873327 0.13025780	0.0297203722
## 28543 0.15549715	0.09873327 0.13025780	0.0297203722
## 28544 0.15549715	0.09873327 0.13025780	0.0297203722
## 28545 0.15549715	0.09873327 0.13025780	0.0297203722
## 28546 0.15549715	0.09873327 0.13025780	0.0297203722
## 28547 0.15549715	0.09873327 0.13025780	0.0297203722
## 28548 0.15549715	0.09873327 0.13025780	0.0297203722
## 28549 0.15549715	0.09873327 0.13025780	0.0297203722
## 28550 0.15549715	0.09873327 0.13025780	0.0297203722
## 28551 0.15549715	0.09873327 0.13025780	0.0297203722
## 28552 0.15549715	0.09873327 0.13025780	0.0297203722
## 28553 0.15549715	0.09873327 0.13025780	0.0297203722
## 28554 0.15549715	0.09873327 0.13025780	0.0297203722
## 28555 0.15549715	0.09873327 0.13025780	0.0297203722
## 28556 0.15549715	0.09873327 0.13025780	0.0297203722
## 28557 0.15549715	0.09873327 0.13025780	0.0297203722
## 28558 0.15549715	0.09873327 0.13025780	0.0297203722
## 28559 0.15549715	0.09873327 0.13025780	0.0297203722
## 28560 0.15549715	0.09873327 0.13025780	0.0297203722
## 28561 0.15549715	0.09873327 0.13025780	0.0297203722
## 28562 0.15549715	0.09873327 0.13025780	0.0297203722
## 28563 0.15549715	0.09873327 0.13025780	0.0297203722
## 28564 0.15549715	0.09873327 0.13025780	0.0297203722
## 28565 0.15549715	0.09873327 0.13025780	0.0297203722
## 28566 0.15549715	0.09873327 0.13025780	0.0297203722
## 28567 0.15549715	0.09873327 0.13025780	0.0297203722
## 28568 0.15549715	0.09873327 0.13025780	0.0297203722
## 28569 0.15549715	0.09873327 0.13025780	0.0297203722
## 28570 0.15549715	0.09873327 0.13025780	0.0297203722
## 28571 0.15549715	0.09873327 0.13025780	0.0297203722
## 28572 0.15549715	0.09873327 0.13025780	0.0297203722
## 28573 0.15549715	0.09873327 0.13025780	0.0297203722

##	28574 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28575 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28576 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28577 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28578 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28579 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28580 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28581 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28582 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28583 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28584 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28585 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28586 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28587 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28588 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28589 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28590 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28591 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28592 0	.15549715	0.09873327	0.13025780	0.0297203722
##	28593 0	.15549715	0.09873327	0.13025780	0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
##	28597 0	.15549715	0.09873327	0.13025780	0.0297203722
			0.09873327		0.0297203722
##			0.09873327		0.0297203722
##			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
			0.09873327		0.0297203722
##	28623 0	.15549715	0.09873327	0.13025/80	0.0297203722

```
## 28624 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28625 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28626 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28627 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28628 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28629 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
                             0.09873327 0.13025780
                                                          0.0297203722
## 28630 0.15549715
## 28631 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28632 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28633 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28634 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
                             0.09873327 0.13025780
## 28635 0.15549715
                                                          0.0297203722
## 28636 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28637 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28638 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28639 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28640 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28641 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
                             0.09873327 0.13025780
## 28642 0.15549715
                                                          0.0297203722
## 28643 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28644 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28645 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
                             0.09873327 0.13025780
## 28646 0.15549715
                                                          0.0297203722
## 28647 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28648 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28649 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28650 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28651 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
                             0.09873327 0.13025780
## 28652 0.15549715
                                                          0.0297203722
## 28653 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
                             0.09873327 0.13025780
## 28654 0.15549715
                                                          0.0297203722
## 28655 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28656 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28657 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28658 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28659 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28660 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28661 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28662 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
                             0.09873327 0.13025780
## 28663 0.15549715
                                                          0.0297203722
## 28664 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28665 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
## 28666 0.15549715
                             0.09873327 0.13025780
                                                          0.0297203722
                             0.09873327 0.13025780
## 28667 0.15549715
                                                          0.0297203722
                             0.09873327 0.13025780
## 28668 0.15549715
                                                          0.0297203722
## 28669 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28670 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28671 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28672 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28673 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
```

```
## 28674 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28675 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28676 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
                             0.09865775 0.13025780
## 28677 0.09110819
                                                          0.0008405081
## 28678 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28679 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
                             0.09865775 0.13025780
## 28680 0.09110819
                                                          0.0008405081
## 28681 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28682 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28683 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28684 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28685 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28686 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28687 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28688 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28689 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28690 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28691 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28692 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28693 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28694 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28695 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28696 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28697 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28698 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28699 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28700 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28701 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28702 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28703 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28704 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28705 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28706 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28707 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28708 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28709 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28710 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28711 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28712 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28713 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28714 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28715 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28716 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28717 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
                             0.09865775 0.13025780
## 28718 0.09110819
                                                          0.0008405081
## 28719 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28720 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28721 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28722 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
## 28723 0.09110819
                             0.09865775 0.13025780
                                                          0.0008405081
```

##	28724 0.09110819	0.09865775	0.13025780	0.0008405081
##	28725 0.09110819	0.09865775	0.13025780	0.0008405081
##	28726 0.09110819	0.09865775	0.13025780	0.0008405081
##	28727 0.09110819	0.09865775	0.13025780	0.0008405081
##	28728 0.09110819	0.09865775	0.13025780	0.0008405081
##	28729 0.09110819	0.09865775	0.13025780	0.0008405081
##	28730 0.09110819	0.09865775	0.13025780	0.0008405081
##	28731 0.09110819	0.09865775	0.13025780	0.0008405081
##	28732 0.09110819	0.09865775	0.13025780	0.0008405081
##	28733 0.09110819	0.09865775	0.13025780	0.0008405081
##	28734 0.09110819	0.09865775	0.13025780	0.0008405081
##	28735 0.09110819	0.09865775	0.13025780	0.0008405081
##	28736 0.09110819	0.09865775	0.13025780	0.0008405081
##	28737 0.09110819	0.09865775	0.13025780	0.0008405081
##	28738 0.09110819	0.09865775	0.13025780	0.0008405081
##	28739 0.09110819	0.09865775	0.13025780	0.0008405081
##	28740 0.09110819	0.09865775	0.13025780	0.0008405081
##	28741 0.09110819	0.09865775	0.13025780	0.0008405081
##	28742 0.19929917	0.10196391	0.12844867	0.1400084794
##	28743 0.19929917	0.10196391	0.12844867	0.1400084794
##	28744 0.19929917	0.10196391	0.12844867	0.1400084794
##	28745 0.19929917	0.10196391	0.12844867	0.1400084794
##	28746 0.19929917	0.10196391	0.12844867	0.1400084794
##	28747 0.19929917	0.10196391	0.12844867	0.1400084794
##	28748 0.19929917	0.10196391	0.12844867	0.1400084794
##	28749 0.19929917	0.10196391	0.12844867	0.1400084794
##	28750 0.19929917	0.10196391	0.12844867	0.1400084794
##	28751 0.19929917	0.10196391	0.12844867	0.1400084794
##	28752 0.19929917	0.10196391	0.12844867	0.1400084794
##	28753 0.19929917	0.10196391	0.12844867	0.1400084794
##	28754 0.19929917	0.10196391		0.1400084794
##	28755 0.19929917	0.10196391	0.12844867	0.1400084794
##		0.10196391		0.1400084794
##	28757 0.19929917	0.10196391	0.12844867	0.1400084794
##	28758 0.19929917	0.10196391	0.12844867	0.1400084794
	28759 0.19929917	0.10196391		0.1400084794
	28760 0.19929917	0.10196391		0.1400084794
##	28761 0.19929917	0.10196391	0.12844867	0.1400084794
	28762 0.19929917	0.10196391		0.1400084794
	28763 0.19929917	0.10196391		0.1400084794
##	28764 0.19929917	0.10196391		0.1400084794
##	28765 0.19929917	0.10196391	0.12844867	0.1400084794
	28766 0.19929917	0.10196391		0.1400084794
##	28767 0.08935611	0.09866417		0.000000000
##		0.09866417		0.000000000
##		0.09866417		0.000000000
##		0.09866417		0.000000000
##		0.09866417		0.0000000000
	28772 0.08935611	0.09866417		0.0000000000
##	28773 0.08935611	0.09866417	0.13025780	0.0000000000

##	28774	0.08935611	0.09866417	0.13025780	0.000000000
##	28775	0.08935611	0.09866417	0.13025780	0.0000000000
##	28776	0.08935611	0.09866417	0.13025780	0.0000000000
##	28777	0.08935611	0.09866417	0.13025780	0.0000000000
##	28778	0.08935611	0.09866417		0.0000000000
##	28779	0.08935611	0.09866417	0.13025780	0.0000000000
##	28780	0.08935611	0.09866417	0.13025780	0.0000000000
##	28781	0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
##		0.28427508	0.07098404		0.2246512972
##		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
		0.28427508	0.07098404		0.2246512972
##		0.27463863	0.10335130		0.2098869503
##		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.27463863	0.10335130		0.2098869503
		0.09680245	0.07335364		0.0998651840
		0.09680245	0.07335364		0.0998651840
##	28823	0.09680245	0.07335364	0.11849842	0.0998651840

		0.09680245		0.11849842	0.0998651840
		0.09680245		0.11849842	0.0998651840
##	28826	0.09680245	0.07335364	0.11849842	0.0998651840
##	28827	0.09680245	0.07335364	0.11849842	0.0998651840
##	28828	0.09680245	0.07335364	0.11849842	0.0998651840
##	28829	0.10556286	0.08943051	0.11917684	0.0462445937
##	28830	0.10556286	0.08943051	0.11917684	0.0462445937
##	28831	0.10556286	0.08943051	0.11917684	0.0462445937
##	28832	0.10556286	0.08943051	0.11917684	0.0462445937
##	28833	0.10556286	0.08943051	0.11917684	0.0462445937
##	28834	0.10556286	0.08943051	0.11917684	0.0462445937
##	28835	0.10556286	0.08943051	0.11917684	0.0462445937
##	28836	0.10556286	0.08943051	0.11917684	0.0462445937
##	28837	0.10556286	0.08943051	0.11917684	0.0462445937
##	28838	0.10556286	0.08943051	0.11917684	0.0462445937
##	28839	0.10074463	0.09856802	0.13025780	0.0100643614
##	28840	0.10074463	0.09856802	0.13025780	0.0100643614
##	28841	0.10074463	0.09856802	0.13025780	0.0100643614
##	28842	0.10074463	0.09856802	0.13025780	0.0100643614
##	28843	0.10074463	0.09856802	0.13025780	0.0100643614
##	28844	0.10074463	0.09856802	0.13025780	0.0100643614
##	28845	0.10074463	0.09856802	0.13025780	0.0100643614
##	28846	0.10074463	0.09856802	0.13025780	0.0100643614
##	28847	0.10074463	0.09856802	0.13025780	0.0100643614
		0.10074463	0.09856802	0.13025780	0.0100643614
##	28849	0.10074463	0.09856802	0.13025780	0.0100643614
##	28850	0.10074463	0.09856802	0.13025780	0.0100643614
##	28851	0.10074463	0.09856802	0.13025780	0.0100643614
##	28852	0.10074463	0.09856802	0.13025780	0.0100643614
##	28853	0.10074463	0.09856802	0.13025780	0.0100643614
##	28854	0.10074463	0.09856802	0.13025780	0.0100643614
##	28855	0.10074463	0.09856802	0.13025780	0.0100643614
##	28856	0.10074463	0.09856802	0.13025780	0.0100643614
##	28857	0.10074463	0.09856802	0.13025780	0.0100643614
##	28858	0.10074463	0.09856802	0.13025780	0.0100643614
##	28859	0.10074463	0.09856802	0.13025780	0.0100643614
##	28860	0.10074463	0.09856802	0.13025780	0.0100643614
##	28861	0.10074463	0.09856802	0.13025780	0.0100643614
##	28862	0.10074463	0.09856802	0.13025780	0.0100643614
##	28863	0.10074463	0.09856802	0.13025780	0.0100643614
##	28864	0.10074463	0.09856802	0.13025780	0.0100643614
##	28865	0.10074463	0.09856802	0.13025780	0.0100643614
##	28866	0.10074463	0.09856802	0.13025780	0.0100643614
##	28867	0.10074463	0.09856802	0.13025780	0.0100643614
		0.10074463	0.09856802		0.0100643614
		0.10074463	0.09856802		0.0100643614
		0.10074463	0.09856802		0.0100643614
		0.10074463	0.09856802		0.0100643614
		0.10074463	0.09856802		0.0100643614
		0.10074463	0.09856802		0.0100643614

## 28874 0.10074463	0.09856802 0.13025780	0.0100643614
## 28875 0.10074463	0.09856802 0.13025780	0.0100643614
## 28876 0.10074463	0.09856802 0.13025780	0.0100643614
## 28877 0.10074463	0.09856802 0.13025780	0.0100643614
## 28878 0.08935611	0.07253340 0.12211669	0.1022871266
## 28879 0.08935611	0.07253340 0.12211669	0.1022871266
## 28880 0.08935611	0.07253340 0.12211669	0.1022871266
## 28881 0.08935611	0.07253340 0.12211669	0.1022871266
## 28882 0.36224266	0.10103857 0.13025780	0.1327614106
## 28883 0.36224266	0.10103857 0.13025780	0.1327614106
## 28884 0.36224266	0.10103857 0.13025780	0.1327614106
## 28885 0.36224266	0.10103857 0.13025780	0.1327614106
## 28886 0.36224266	0.10103857 0.13025780	0.1327614106
## 28887 0.36224266	0.10103857 0.13025780	0.1327614106
## 28888 0.36224266	0.10103857 0.13025780	0.1327614106
## 28889 0.36224266	0.10103857 0.13025780	0.1327614106
## 28890 0.36224266	0.10103857 0.13025780	0.1327614106
## 28891 0.36224266	0.10103857 0.13025780	0.1327614106
## 28892 0.36224266	0.10103857 0.13025780	0.1327614106
## 28893 0.36224266	0.10103857 0.13025780	0.1327614106
## 28894 0.36224266	0.10103857 0.13025780	0.1327614106
## 28895 0.36224266	0.10103857 0.13025780	0.1327614106
## 28896 0.36224266	0.10103857 0.13025780	0.1327614106
## 28897 0.36224266	0.10103857 0.13025780	0.1327614106
## 28898 0.36224266	0.10103857 0.13025780	0.1327614106
## 28899 0.36224266	0.10103857 0.13025780	0.1327614106
## 28900 0.36224266	0.10103857 0.13025780	0.1327614106
## 28901 0.36224266	0.10103857 0.13025780	0.1327614106
## 28902 0.36224266	0.10103857 0.13025780	0.1327614106
## 28903 0.36224266	0.10103857 0.13025780	0.1327614106
## 28904 0.36224266	0.10103857 0.13025780	0.1327614106
## 28905 0.36224266	0.10103857 0.13025780	0.1327614106
## 28906 0.36224266	0.10103857 0.13025780	0.1327614106
## 28907 0.36224266	0.10103857 0.13025780	0.1327614106
## 28908 0.36224266	0.10103857 0.13025780	0.1327614106
## 28909 0.36224266	0.10103857 0.13025780	0.1327614106
## 28910 0.36224266	0.10103857 0.13025780	0.1327614106
## 28911 0.36224266	0.10103857 0.13025780	0.1327614106
## 28912 0.36224266	0.10103857 0.13025780	0.1327614106
## 28913 0.36224266	0.10103857 0.13025780	0.1327614106
## 28914 0.36224266	0.10103857 0.13025780	0.1327614106
## 28915 0.36224266	0.10103857 0.13025780	0.1327614106
## 28916 0.36224266	0.10103857 0.13025780	0.1327614106
## 28917 0.36224266	0.10103857 0.13025780	0.1327614106
## 28918 0.36224266	0.10103857 0.13025780	0.1327614106
## 28919 0.36224266	0.10103857 0.13025780	0.1327614106
## 28920 0.36224266	0.10103857 0.13025780	0.1327614106
## 28921 0.36224266	0.10103857 0.13025780	0.1327614106
## 28922 0.36224266	0.10103857 0.13025780	0.1327614106
## 28923 0.36224266	0.10103857 0.13025780	0.1327614106

## 28924 0.36224266	0.10103857 0.13025780	0.1327614106
## 28925 0.36224266	0.10103857 0.13025780	0.1327614106
## 28926 0.36224266	0.10103857 0.13025780	0.1327614106
## 28927 0.36224266	0.10103857 0.13025780	0.1327614106
## 28928 0.36224266	0.10103857 0.13025780	0.1327614106
## 28929 0.36224266	0.10103857 0.13025780	0.1327614106
## 28930 0.36224266	0.10103857 0.13025780	0.1327614106
## 28931 0.36224266	0.10103857 0.13025780	0.1327614106
## 28932 0.36224266	0.10103857 0.13025780	0.1327614106
## 28933 0.36224266	0.10103857 0.13025780	0.1327614106
## 28934 0.36224266	0.10103857 0.13025780	0.1327614106
## 28935 0.36224266	0.10103857 0.13025780	0.1327614106
## 28936 0.36224266	0.10103857 0.13025780	0.1327614106
## 28937 0.36224266	0.10103857 0.13025780	0.1327614106
## 28938 0.36224266	0.10103857 0.13025780	0.1327614106
## 28939 0.36224266	0.10103857 0.13025780	0.1327614106
## 28940 0.36224266	0.10103857 0.13025780	0.1327614106
## 28941 0.36224266	0.10103857 0.13025780	0.1327614106
## 28942 0.36224266	0.10103857 0.13025780	0.1327614106
## 28943 0.36224266	0.10103857 0.13025780	0.1327614106
## 28944 0.36224266	0.10103857 0.13025780	0.1327614106
## 28945 0.36224266	0.10103857 0.13025780	0.1327614106
## 28946 0.36224266	0.10103857 0.13025780	0.1327614106
## 28947 0.36224266	0.10103857 0.13025780	0.1327614106
## 28948 0.36224266	0.10103857 0.13025780	0.1327614106
## 28949 0.36224266	0.10103857 0.13025780	0.1327614106
## 28950 0.36224266	0.10103857 0.13025780	0.1327614106
## 28951 0.36224266	0.10103857 0.13025780	0.1327614106
## 28952 0.36224266	0.10103857 0.13025780	0.1327614106
## 28953 0.36224266	0.10103857 0.13025780	0.1327614106
## 28954 0.36224266	0.10103857 0.13025780	0.1327614106
## 28955 0.36224266	0.10103857 0.13025780	0.1327614106
## 28956 0.36224266	0.10103857 0.13025780	0.1327614106
## 28957 0.36224266	0.10103857 0.13025780	0.1327614106
## 28958 0.15681121	0.09993639 0.12799638	0.0623367372
## 28959 0.15681121	0.09993639 0.12799638	0.0623367372
## 28960 0.15681121	0.09993639 0.12799638	0.0623367372
## 28961 0.15681121	0.09993639 0.12799638	0.0623367372
## 28962 0.15681121	0.09993639 0.12799638	0.0623367372
## 28963 0.15681121	0.09993639 0.12799638	0.0623367372
## 28964 0.15681121	0.09993639 0.12799638	0.0623367372
## 28965 0.15681121	0.09993639 0.12799638	0.0623367372
## 28966 0.15681121	0.09993639 0.12799638	0.0623367372
## 28967 0.15681121	0.09993639 0.12799638	0.0623367372
## 28968 0.15681121	0.09993639 0.12799638	0.0623367372
## 28969 0.15681121	0.09993639 0.12799638	0.0623367372
## 28970 0.15681121	0.09993639 0.12799638	0.0623367372
## 28971 0.15681121	0.09993639 0.12799638	0.0623367372
## 28972 0.15681121	0.09993639 0.12799638	0.0623367372
## 28973 0.15681121	0.09993639 0.12799638	0.0623367372

```
## 28974 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28975 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28976 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28977 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28978 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28979 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28980 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28981 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28982 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28983 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28984 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28985 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
                                                          0.0623367372
## 28986 0.15681121
                             0.09993639 0.12799638
## 28987 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28988 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28989 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28990 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28991 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28992 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28993 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28994 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28995 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28996 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28997 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28998 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 28999 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29000 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29001 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29002 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29003 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29004 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
                             0.09993639 0.12799638
## 29005 0.15681121
                                                          0.0623367372
## 29006 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29007 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29008 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29009 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29010 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29011 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29012 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29013 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29014 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29015 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29016 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29017 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29018 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29019 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29020 0.15681121
                             0.09993639 0.12799638
                                                          0.0623367372
## 29021 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29022 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29023 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
```

```
## 29024 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29025 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29026 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29027 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29028 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29029 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29030 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29031 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29032 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29033 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29034 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29035 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29036 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29037 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29038 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29039 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29040 0.45378887
                             0.11982658 0.12686567
                                                          0.2772339586
## 29041 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29042 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29043 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29044 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29045 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29046 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29047 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29048 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29049 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29050 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29051 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29052 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29053 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29054 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29055 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29056 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29057 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29058 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29059 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
                             0.09842615 0.13025780
## 29060 0.10512484
                                                          0.0097291579
## 29061 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29062 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29063 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29064 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29065 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29066 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29067 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29068 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29069 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29070 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29071 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29072 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
## 29073 0.10512484
                             0.09842615 0.13025780
                                                          0.0097291579
```

## 29074 0.10512484	0.09842615 0.13025780	0.0097291579
## 29075 0.10512484	0.09842615 0.13025780	0.0097291579
## 29076 0.10512484	0.09842615 0.13025780	0.0097291579
## 29077 0.10512484	0.09842615 0.13025780	0.0097291579
## 29078 0.10512484	0.09842615 0.13025780	0.0097291579
## 29079 0.10512484	0.09842615 0.13025780	0.0097291579
## 29080 0.10512484	0.09842615 0.13025780	0.0097291579
## 29081 0.10512484	0.09842615 0.13025780	0.0097291579
## 29082 0.10512484	0.09842615 0.13025780	0.0097291579
## 29083 0.10512484	0.09842615 0.13025780	0.0097291579
## 29084 0.10512484	0.09842615 0.13025780	0.0097291579
## 29085 0.10512484	0.09842615 0.13025780	0.0097291579
## 29086 0.10512484	0.09842615 0.13025780	0.0097291579
## 29087 0.10512484	0.09842615 0.13025780	0.0097291579
## 29088 0.10512484	0.09842615 0.13025780	0.0097291579
## 29089 0.10512484	0.09842615 0.13025780	0.0097291579
## 29090 0.10512484	0.09842615 0.13025780	0.0097291579
## 29091 0.10512484	0.09842615 0.13025780	0.0097291579
## 29092 0.10512484	0.09842615 0.13025780	0.0097291579
## 29093 0.10512484	0.09842615 0.13025780	0.0097291579
## 29094 0.10512484	0.09842615 0.13025780	0.0097291579
## 29095 0.10512484	0.09842615 0.13025780	0.0097291579
## 29096 0.10512484	0.09842615 0.13025780	0.0097291579
## 29097 0.10512484	0.09842615 0.13025780	0.0097291579
## 29098 0.10512484	0.09842615 0.13025780	0.0097291579
## 29099 0.10512484	0.09842615 0.13025780	0.0097291579
## 29100 0.10512484	0.09842615 0.13025780	0.0097291579
## 29101 0.10512484	0.09842615 0.13025780	0.0097291579
## 29102 0.10512484	0.09842615 0.13025780	0.0097291579
## 29103 0.10512484	0.09842615 0.13025780	0.0097291579
## 29104 0.10512484	0.09842615 0.13025780	0.0097291579
## 29105 0.10512484	0.09842615 0.13025780	0.0097291579
## 29106 0.10512484	0.09842615 0.13025780	0.0097291579
## 29107 0.10512484	0.09842615 0.13025780	0.0097291579
## 29108 0.10512484	0.09842615 0.13025780	0.0097291579
## 29109 0.10512484	0.09842615 0.13025780	0.0097291579
## 29110 0.10512484	0.09842615 0.13025780	0.0097291579
## 29111 0.10512484	0.09842615 0.13025780	0.0097291579
## 29112 0.10512484	0.09842615 0.13025780	0.0097291579
## 29113 0.10512484	0.09842615 0.13025780	0.0097291579
## 29114 0.10512484	0.09842615 0.13025780	0.0097291579
## 29115 0.10512484	0.09842615 0.13025780	0.0097291579
## 29116 0.10512484	0.09842615 0.13025780	0.0097291579
## 29117 0.10512484	0.09842615 0.13025780	0.0097291579
## 29118 0.10512484	0.09842615 0.13025780	0.0097291579
## 29119 0.10512484	0.09842615 0.13025780	0.0097291579
## 29120 0.10512484	0.09842615 0.13025780	0.0097291579
## 29121 0.10512484	0.09842615 0.13025780	0.0097291579
## 29122 0.10512484	0.09842615 0.13025780	0.0097291579
## 29123 0.10512484	0.09842615 0.13025780	0.0097291579

## 29124 0.10512484	0.09842615 0.13025780	0.0097291579
## 29125 0.10512484	0.09842615 0.13025780	0.0097291579
## 29126 0.10512484	0.09842615 0.13025780	0.0097291579
## 29127 0.10512484	0.09842615 0.13025780	0.0097291579
## 29128 0.10512484	0.09842615 0.13025780	0.0097291579
## 29129 0.10512484	0.09842615 0.13025780	0.0097291579
## 29130 0.10512484	0.09842615 0.13025780	0.0097291579
## 29131 0.10512484	0.09842615 0.13025780	0.0097291579
## 29132 0.10512484	0.09842615 0.13025780	0.0097291579
## 29133 0.10512484	0.09842615 0.13025780	0.0097291579
## 29134 0.10512484	0.09842615 0.13025780	0.0097291579
## 29135 0.10512484	0.09842615 0.13025780	0.0097291579
## 29136 0.10512484	0.09842615 0.13025780	0.0097291579
## 29137 0.10512484	0.09842615 0.13025780	0.0097291579
## 29138 0.10512484	0.09842615 0.13025780	0.0097291579
## 29139 0.10512484	0.09842615 0.13025780	0.0097291579
## 29140 0.10512484	0.09842615 0.13025780	0.0097291579
## 29141 0.10512484	0.09842615 0.13025780	0.0097291579
## 29142 0.10512484	0.09842615 0.13025780	0.0097291579
## 29143 0.10512484	0.09842615 0.13025780	0.0097291579
## 29144 0.10512484	0.09842615 0.13025780	0.0097291579
## 29145 0.10512484	0.09842615 0.13025780	0.0097291579
## 29146 0.10512484	0.09842615 0.13025780	0.0097291579
## 29147 0.10512484	0.09842615 0.13025780	0.0097291579
## 29148 0.10512484	0.09842615 0.13025780	0.0097291579
## 29149 0.10512484	0.09842615 0.13025780	0.0097291579
## 29150 0.10512484	0.09842615 0.13025780	0.0097291579
## 29151 0.10512484	0.09842615 0.13025780	0.0097291579
## 29152 0.10512484	0.09842615 0.13025780	0.0097291579
## 29153 0.10512484	0.09842615 0.13025780	0.0097291579
## 29154 0.10512484	0.09842615 0.13025780	0.0097291579
## 29155 0.10512484	0.09842615 0.13025780	0.0097291579
## 29156 0.10512484	0.09842615 0.13025780	0.0097291579
## 29157 0.10512484	0.09842615 0.13025780	0.0097291579
## 29158 0.10512484	0.09842615 0.13025780	0.0097291579
## 29159 0.10512484	0.09842615 0.13025780	0.0097291579
## 29160 0.10512484	0.09842615 0.13025780	0.0097291579
## 29161 0.10512484	0.09842615 0.13025780	0.0097291579
## 29162 0.10512484	0.09842615 0.13025780	0.0097291579
## 29163 0.10512484	0.09842615 0.13025780	0.0097291579
## 29164 0.10512484	0.09842615 0.13025780	0.0097291579
## 29165 0.10512484	0.09842615 0.13025780	0.0097291579
## 29166 0.10512484	0.09842615 0.13025780	0.0097291579
## 29167 0.10512484	0.09842615 0.13025780	0.0097291579
## 29168 0.10512484	0.09842615 0.13025780	0.0097291579
## 29169 0.23039860	0.09867277 0.13003166	0.0542954365
## 29170 0.23039860	0.09867277 0.13003166	0.0542954365
## 29171 0.23039860	0.09867277 0.13003166	0.0542954365
## 29172 0.23039860	0.09867277 0.13003166	0.0542954365
## 29173 0.23039860	0.09867277 0.13003166	0.0542954365

##	29174 0.230	39860	0.09867277	0.13003166	0	.0542954365	
	29175 0.230		0.09867277		0	.0542954365	
##	29176 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29177 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29178 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29179 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29180 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29181 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29182 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29183 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29184 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29185 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29186 0.230	39860	0.09867277	0.13003166		.0542954365	
##	29187 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29188 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29189 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29190 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29191 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29192 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29193 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29194 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29195 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29196 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29197 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29198 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29199 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29200 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29201 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29202 0.230	39860	0.09867277	0.13003166	0	.0542954365	
	29203 0.230		0.09867277			.0542954365	
##	29204 0.230	39860	0.09867277	0.13003166	0	.0542954365	
	29205 0.230		0.09867277	0.13003166		.0542954365	
##	29206 0.230	39860	0.09867277	0.13003166	0	.0542954365	
	29207 0.230		0.09867277			.0542954365	
##	29208 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29209 0.230	39860	0.09867277		0	.0542954365	
	29210 0.230		0.09867277		0	.0542954365	
##	29211 0.230	39860	0.09867277	0.13003166	0	.0542954365	
	29212 0.230		0.09867277	0.13003166	0	.0542954365	
##	29213 0.230	39860	0.09867277	0.13003166	0	.0542954365	
##	29214 0.230	39860	0.09867277	0.13003166	0	.0542954365	
	29215 0.230		0.09867277			.0542954365	
	29216 0.230		0.09867277		0	.0542954365	
	29217 0.230		0.09867277		0	.0542954365	
	29218 0.230		0.09867277			.0542954365	
	29219 0.230		0.09867277			.0542954365	
	29220 0.230		0.09867277			. 0542954365	
	29221 0.230		0.09867277			.0542954365	
	29222 0.230		0.09867277			.0542954365	
##	29223 0.230	39860	0.09867277	0.13003166	0	.0542954365	

## 29224 0.23039860	0.09867277 0.13003166	0.0542954365
## 29225 0.23039860	0.09867277 0.13003166	0.0542954365
## 29226 0.23039860	0.09867277 0.13003166	0.0542954365
## 29227 0.23039860	0.09867277 0.13003166	0.0542954365
## 29228 0.23039860	0.09867277 0.13003166	0.0542954365
## 29229 0.23039860	0.09867277 0.13003166	0.0542954365
## 29230 0.23039860	0.09867277 0.13003166	0.0542954365
## 29231 0.23039860	0.09867277 0.13003166	0.0542954365
## 29232 0.23039860	0.09867277 0.13003166	0.0542954365
## 29233 0.23039860	0.09867277 0.13003166	0.0542954365
## 29234 0.23039860	0.09867277 0.13003166	0.0542954365
## 29235 0.23039860	0.09867277 0.13003166	0.0542954365
## 29236 0.23039860	0.09867277 0.13003166	0.0542954365
## 29237 0.23039860	0.09867277 0.13003166	0.0542954365
## 29238 0.23039860	0.09867277 0.13003166	0.0542954365
## 29239 0.23039860	0.09867277 0.13003166	0.0542954365
## 29240 0.23039860	0.09867277 0.13003166	0.0542954365
## 29241 0.23039860	0.09867277 0.13003166	0.0542954365
## 29242 0.23039860	0.09867277 0.13003166	0.0542954365
## 29243 0.23039860	0.09867277 0.13003166	0.0542954365
## 29244 0.23039860	0.09867277 0.13003166	0.0542954365
## 29245 0.23039860	0.09867277 0.13003166	0.0542954365
## 29246 0.23039860	0.09867277 0.13003166	0.0542954365
## 29247 0.23039860	0.09867277 0.13003166	0.0542954365
## 29248 0.23039860	0.09867277 0.13003166	0.0542954365
## 29249 0.23039860	0.09867277 0.13003166	0.0542954365
## 29250 0.23039860	0.09867277 0.13003166	0.0542954365
## 29251 0.23039860	0.09867277 0.13003166	0.0542954365
## 29252 0.23039860	0.09867277 0.13003166	0.0542954365
## 29253 0.23039860	0.09867277 0.13003166	0.0542954365
## 29254 0.23039860	0.09867277 0.13003166	0.0542954365
## 29255 0.23039860	0.09867277 0.13003166	0.0542954365
## 29256 0.23039860	0.09867277 0.13003166	0.0542954365
## 29257 0.23039860	0.09867277 0.13003166	0.0542954365
## 29258 0.23039860	0.09867277 0.13003166	0.0542954365
## 29259 0.23039860	0.09867277 0.13003166	0.0542954365
## 29260 0.23039860	0.09867277 0.13003166	0.0542954365
## 29261 0.23039860	0.09867277 0.13003166	0.0542954365
## 29262 0.23039860	0.09867277 0.13003166	0.0542954365
## 29263 0.23039860	0.09867277 0.13003166	0.0542954365
## 29264 0.23039860	0.09867277 0.13003166	0.0542954365
## 29265 0.23039860	0.09867277 0.13003166	0.0542954365
## 29266 0.23039860	0.09867277 0.13003166	0.0542954365
## 29267 0.23039860	0.09867277 0.13003166	0.0542954365
## 29268 0.23039860	0.09867277 0.13003166	0.0542954365
## 29269 0.23039860	0.09867277 0.13003166	0.0542954365
## 29270 0.23039860	0.09867277 0.13003166	0.0542954365
## 29271 0.23039860	0.09867277 0.13003166	0.0542954365
## 29272 0.23039860	0.09867277 0.13003166	0.0542954365
## 29273 0.23039860	0.09867277 0.13003166	0.0542954365

## 29274 0.23039860	0.09867277 0.13003166	0.0542954365
## 29275 0.23039860	0.09867277 0.13003166	0.0542954365
## 29276 0.23039860	0.09867277 0.13003166	0.0542954365
## 29277 0.23039860	0.09867277 0.13003166	0.0542954365
## 29278 0.23039860	0.09867277 0.13003166	0.0542954365
## 29279 0.23039860	0.09867277 0.13003166	0.0542954365
## 29280 0.23039860	0.09867277 0.13003166	0.0542954365
## 29281 0.23039860	0.09867277 0.13003166	0.0542954365
## 29282 0.23039860	0.09867277 0.13003166	0.0542954365
## 29283 0.23039860	0.09867277 0.13003166	0.0542954365
## 29284 0.23039860	0.09867277 0.13003166	0.0542954365
## 29285 0.23039860	0.09867277 0.13003166	0.0542954365
## 29286 0.23039860	0.09867277 0.13003166	0.0542954365
## 29287 0.23039860	0.09867277 0.13003166	0.0542954365
## 29288 0.23039860	0.09867277 0.13003166	0.0542954365
## 29289 0.23039860	0.09867277 0.13003166	0.0542954365
## 29290 0.23039860	0.09867277 0.13003166	0.0542954365
## 29291 0.23039860	0.09867277 0.13003166	0.0542954365
## 29292 0.23039860	0.09867277 0.13003166	0.0542954365
## 29293 0.23039860	0.09867277 0.13003166	0.0542954365
## 29294 0.23039860	0.09867277 0.13003166	0.0542954365
## 29295 0.23039860	0.09867277 0.13003166	0.0542954365
## 29296 0.23039860	0.09867277 0.13003166	0.0542954365
## 29297 0.23039860	0.09867277 0.13003166	0.0542954365
## 29298 0.23039860	0.09867277 0.13003166	0.0542954365
## 29299 0.23039860	0.09867277 0.13003166	0.0542954365
## 29300 0.23039860	0.09867277 0.13003166	0.0542954365
## 29301 0.23039860	0.09867277 0.13003166	0.0542954365
## 29302 0.23039860	0.09867277 0.13003166	0.0542954365
## 29303 0.23039860	0.09867277 0.13003166	0.0542954365
## 29304 0.23039860	0.09867277 0.13003166	0.0542954365
## 29305 0.23039860	0.09867277 0.13003166	0.0542954365
## 29306 0.23039860	0.09867277 0.13003166	0.0542954365
## 29307 0.23039860	0.09867277 0.13003166	0.0542954365
## 29308 0.23039860	0.09867277 0.13003166	0.0542954365
## 29309 0.23039860	0.09867277 0.13003166	0.0542954365
## 29310 0.23039860	0.09867277 0.13003166	0.0542954365
## 29311 0.23039860	0.09867277 0.13003166	0.0542954365
## 29312 0.23039860	0.09867277 0.13003166	0.0542954365
## 29313 0.23039860	0.09867277 0.13003166	0.0542954365
## 29314 0.23039860	0.09867277 0.13003166	0.0542954365
## 29315 0.23039860	0.09867277 0.13003166	0.0542954365
## 29316 0.23039860	0.09867277 0.13003166	0.0542954365
## 29317 0.23039860	0.09867277 0.13003166	0.0542954365
## 29318 0.23039860	0.09867277 0.13003166	0.0542954365
## 29319 0.23039860	0.09867277 0.13003166	0.0542954365
## 29320 0.23039860	0.09867277 0.13003166	0.0542954365
## 29321 0.23039860	0.09867277 0.13003166	0.0542954365
## 29322 0.23039860	0.09867277 0.13003166	0.0542954365
## 29323 0.23039860	0.09867277 0.13003166	0.0542954365

##	29324	0.23039860	0.09867277	0.13003166	0.0542954365
		0.23039860	0.09867277	0.13003166	0.0542954365
##	29326	0.23039860	0.09867277	0.13003166	0.0542954365
##	29327	0.23039860	0.09867277	0.13003166	0.0542954365
##	29328	0.23039860	0.09867277	0.13003166	0.0542954365
##	29329	0.23039860	0.09867277	0.13003166	0.0542954365
##	29330	0.23039860	0.09867277	0.13003166	0.0542954365
##	29331	0.23039860	0.09867277	0.13003166	0.0542954365
##	29332	0.23039860	0.09867277	0.13003166	0.0542954365
##	29333	0.23039860	0.09867277	0.13003166	0.0542954365
##	29334	0.23039860	0.09867277	0.13003166	0.0542954365
##	29335	0.23039860	0.09867277	0.13003166	0.0542954365
##	29336	0.23039860	0.09867277	0.13003166	0.0542954365
##	29337	0.23039860	0.09867277	0.13003166	0.0542954365
##	29338	0.23039860	0.09867277	0.13003166	0.0542954365
##	29339	0.23039860	0.09867277	0.13003166	0.0542954365
##	29340	0.23039860	0.09867277	0.13003166	0.0542954365
##	29341	0.23039860	0.09867277	0.13003166	0.0542954365
##	29342	0.23039860	0.09867277	0.13003166	0.0542954365
##	29343	0.23039860	0.09867277	0.13003166	0.0542954365
##	29344	0.23039860	0.09867277	0.13003166	0.0542954365
##	29345	0.23039860	0.09867277	0.13003166	0.0542954365
##	29346	0.23039860	0.09867277	0.13003166	0.0542954365
##	29347	0.23039860	0.09867277	0.13003166	0.0542954365
##	29348	0.23039860	0.09867277	0.13003166	0.0542954365
##	29349	0.23039860	0.09867277	0.13003166	0.0542954365
##	29350	0.23039860	0.09867277	0.13003166	0.0542954365
##	29351	0.23039860	0.09867277	0.13003166	0.0542954365
##	29352	0.23039860	0.09867277	0.13003166	0.0542954365
##	29353	0.23039860	0.09867277	0.13003166	0.0542954365
##	29354	0.23039860	0.09867277	0.13003166	0.0542954365
##	29355	0.23039860	0.09867277	0.13003166	0.0542954365
##	29356	0.23039860	0.09867277	0.13003166	0.0542954365
##	29357	0.23039860	0.09867277	0.13003166	0.0542954365
##	29358	0.23039860	0.09867277	0.13003166	0.0542954365
##	29359	0.23039860	0.09867277	0.13003166	0.0542954365
##	29360	0.23039860	0.09867277	0.13003166	0.0542954365
##	29361	0.23039860	0.09867277	0.13003166	0.0542954365
##	29362	0.23039860	0.09867277	0.13003166	0.0542954365
##	29363	0.23039860	0.09867277	0.13003166	0.0542954365
##	29364	0.23039860	0.09867277	0.13003166	0.0542954365
##	29365	0.23039860	0.09867277	0.13003166	0.0542954365
		0.23039860	0.09867277		0.0542954365
##	29367	0.23039860	0.09867277	0.13003166	0.0542954365
##	29368	0.23039860	0.09867277		0.0542954365
##	29369	0.23039860	0.09867277	0.13003166	0.0542954365
		0.23039860	0.09867277	0.13003166	0.0542954365
##	29371	0.23039860	0.09867277	0.13003166	0.0542954365
##	29372	0.23039860	0.09867277	0.13003166	0.0542954365
##	29373	0.23039860	0.09867277	0.13003166	0.0542954365

## 29374 0.23039860	0.09867277 0.13003166	0.0542954365
## 29375 0.23039860	0.09867277 0.13003166	0.0542954365
## 29376 0.23039860	0.09867277 0.13003166	0.0542954365
## 29377 0.23039860	0.09867277 0.13003166	0.0542954365
## 29378 0.23039860	0.09867277 0.13003166	0.0542954365
## 29379 0.23039860	0.09867277 0.13003166	0.0542954365
## 29380 0.23039860	0.09867277 0.13003166	0.0542954365
## 29381 0.23039860	0.09867277 0.13003166	0.0542954365
## 29382 0.23039860	0.09867277 0.13003166	0.0542954365
## 29383 0.23039860	0.09867277 0.13003166	0.0542954365
## 29384 0.23039860	0.09867277 0.13003166	0.0542954365
## 29385 0.23039860	0.09867277 0.13003166	0.0542954365
## 29386 0.23039860	0.09867277 0.13003166	0.0542954365
## 29387 0.42575558	0.12716194 0.13116237	0.7214859533
## 29388 0.42575558	0.12716194 0.13116237	0.7214859533
## 29389 0.42575558	0.12716194 0.13116237	0.7214859533
## 29390 0.42575558	0.12716194 0.13116237	0.7214859533
## 29391 0.42575558	0.12716194 0.13116237	0.7214859533
## 29392 0.22820850	0.11611072 0.18272275	0.3484465586
## 29393 0.22820850	0.11611072 0.18272275	0.3484465586
## 29394 0.22820850	0.11611072 0.18272275	0.3484465586
## 29395 0.22820850	0.11611072 0.18272275	0.3484465586
## 29396 0.22820850	0.11611072 0.18272275	0.3484465586
## 29397 0.22820850	0.11611072 0.18272275	0.3484465586
## 29398 0.22820850	0.11611072 0.18272275	0.3484465586
## 29399 0.22820850	0.11611072 0.18272275	0.3484465586
## 29400 0.22820850	0.11611072 0.18272275	0.3484465586
## 29401 0.25054753	0.10626347 0.12980552	0.0947370886
## 29402 0.25054753	0.10626347 0.12980552	0.0947370886
## 29403 0.25054753	0.10626347 0.12980552	0.0947370886
## 29404 0.25054753	0.10626347 0.12980552	0.0947370886
## 29405 0.25054753	0.10626347 0.12980552	0.0947370886
## 29406 0.25054753	0.10626347 0.12980552	0.0947370886
## 29407 0.25054753	0.10626347 0.12980552	0.0947370886
## 29408 0.25054753	0.10626347 0.12980552	0.0947370886
## 29409 0.25054753	0.10626347 0.12980552	0.0947370886
## 29410 0.25054753	0.10626347 0.12980552	0.0947370886
## 29411 0.25054753	0.10626347 0.12980552	0.0947370886
## 29412 0.25054753	0.10626347 0.12980552	0.0947370886
## 29413 0.25054753	0.10626347 0.12980552	0.0947370886
## 29414 0.25054753	0.10626347 0.12980552	0.0947370886
## 29415 0.25054753	0.10626347 0.12980552	0.0947370886
## 29416 0.25054753	0.10626347 0.12980552	0.0947370886
## 29417 0.25054753	0.10626347 0.12980552	0.0947370886
## 29418 0.25054753	0.10626347 0.12980552	0.0947370886
## 29419 0.25054753	0.10626347 0.12980552	0.0947370886
## 29420 0.25054753	0.10626347 0.12980552	0.0947370886
## 29421 0.25054753	0.10626347 0.12980552	0.0947370886
## 29422 0.25054753	0.10626347 0.12980552	0.0947370886
## 29423 0.25054753	0.10626347 0.12980552	0.0947370886

```
## 29424 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29425 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29426 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29427 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29428 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29429 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29430 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29431 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29432 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29433 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29434 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
                             0.10626347 0.12980552
## 29435 0.25054753
                                                          0.0947370886
## 29436 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29437 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29438 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29439 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29440 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29441 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
                             0.10626347 0.12980552
## 29442 0.25054753
                                                          0.0947370886
## 29443 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29444 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29445 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
                             0.10626347 0.12980552
## 29446 0.25054753
                                                          0.0947370886
## 29447 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29448 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29449 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29450 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29451 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29452 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29453 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29454 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29455 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29456 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29457 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29458 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29459 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29460 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29461 0.25054753
                             0.10626347 0.12980552
                                                          0.0947370886
## 29462 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29463 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29464 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29465 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29466 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29467 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29468 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29469 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29470 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29471 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29472 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
## 29473 0.09067017
                             0.09867881 0.13025780
                                                          0.0011300577
```

##	29474 0.	09067017	0.09867881	0.13025780	0.0011300577
##	29475 0.		0.09867881		0.0011300577
##	29476 0.	09067017	0.09867881	0.13025780	0.0011300577
##	29477 0.	09067017	0.09867881	0.13025780	0.0011300577
##	29478 0.		0.09867881		0.0011300577
	29479 0.		0.09867881		0.0011300577
##	29480 0.	09067017	0.09867881	0.13025780	0.0011300577
##	29481 0.	09067017	0.09867881	0.13025780	0.0011300577
			0.09867881		0.0011300577
	29483 0.		0.09867881		0.0011300577
	29484 0.		0.09867881		0.0011300577
	29485 0.		0.09867881		0.0011300577
##	29486 0.		0.09867881		0.0011300577
	29487 0.		0.09867881		0.0011300577
	29488 0.		0.09867881		0.0011300577
	29489 0.		0.09867881		0.0011300577
	29490 0.		0.09867881		0.0011300577
	29491 0.		0.09867881		0.0011300577
	29492 0.		0.09867881		0.0011300577
	29493 0.		0.09867881		0.0011300577
	29494 0.		0.09926430		0.2267867499
	29495 0.		0.09926430		0.2267867499
			0.09926430		0.2267867499
	29497 0.		0.09926430		0.2267867499
	29498 0.		0.09926430		0.2267867499
##	29499 0.		0.09926430		0.2267867499
##	29500 0.		0.09926430		0.2267867499
##	29501 0.		0.09926430		0.2267867499
##	29502 0.		0.09926430		0.2267867499
	29503 0.		0.09926430		0.2267867499
	29504 0.		0.09926430		0.2267867499
	29505 0.		0.09926430		0.2267867499
	29506 0.		0.09926430		0.2267867499
	29507 0.		0.09926430		0.2267867499
	29508 0.		0.09926430		0.2267867499
	29509 0.		0.09926430		0.2267867499
	29510 0.		0.09926430		0.2267867499
	29511 0.		0.09926430		0.2267867499
	29512 0.		0.09926430		0.2267867499
	29513 0.		0.09926430		0.2267867499
	29514 0.		0.09926430		0.2267867499
	29515 0.		0.09926430		0.2267867499
	29516 0.		0.09926430		0.2267867499
	29517 0.		0.09926430		0.2267867499
	29518 0.		0.09926430		0.2267867499
	29519 0.		0.09926430		0.2267867499
	29520 0.		0.09926430		0.2267867499
	29521 0.		0.09926430		0.2267867499
	29522 0.		0.09926430		0.2267867499
##	29523 0.	66535261	0.09926430	0.12754410	0.2267867499

##	29524 0.66535261	0.09926430 0.12754410	0.2267867499
##	29525 0.66535261	0.09926430 0.12754410	0.2267867499
##	29526 0.66535261	0.09926430 0.12754410	0.2267867499
##	29527 0.66535261	0.09926430 0.12754410	0.2267867499
##	29528 0.66535261	0.09926430 0.12754410	0.2267867499
##	29529 0.66535261	0.09926430 0.12754410	0.2267867499
##	29530 0.66535261	0.09926430 0.12754410	0.2267867499
##	29531 0.66535261	0.09926430 0.12754410	0.2267867499
##	29532 0.66535261	0.09926430 0.12754410	0.2267867499
##	29533 0.66535261	0.09926430 0.12754410	0.2267867499
##	29534 0.66535261	0.09926430 0.12754410	0.2267867499
##	29535 0.66535261	0.09926430 0.12754410	0.2267867499
##	29536 0.66535261	0.09926430 0.12754410	0.2267867499
##	29537 0.66535261	0.09926430 0.12754410	0.2267867499
##	29538 0.66535261	0.09926430 0.12754410	0.2267867499
##	29539 0.66535261	0.09926430 0.12754410	0.2267867499
##	29540 0.66535261	0.09926430 0.12754410	0.2267867499
##	29541 0.66535261	0.09926430 0.12754410	0.2267867499
##	29542 0.66535261	0.09926430 0.12754410	0.2267867499
##	29543 0.66535261	0.09926430 0.12754410	0.2267867499
##	29544 0.66535261	0.09926430 0.12754410	0.2267867499
##	29545 0.66535261	0.09926430 0.12754410	0.2267867499
##	29546 0.66535261	0.09926430 0.12754410	0.2267867499
##	29547 0.66535261	0.09926430 0.12754410	0.2267867499
##	29548 0.66535261	0.09926430 0.12754410	0.2267867499
##	29549 0.66535261	0.09926430 0.12754410	0.2267867499
##	29550 0.66535261	0.09926430 0.12754410	0.2267867499
##	29551 0.66535261	0.09926430 0.12754410	0.2267867499
##	29552 0.66535261	0.09926430 0.12754410	0.2267867499
##	29553 0.66535261	0.09926430 0.12754410	0.2267867499
##	29554 0.66535261	0.09926430 0.12754410	0.2267867499
##	29555 0.66535261	0.09926430 0.12754410	0.2267867499
##	29556 0.66535261	0.09926430 0.12754410	0.2267867499
##	29557 0.66535261	0.09926430 0.12754410	0.2267867499
##	29558 0.66535261	0.09926430 0.12754410	0.2267867499
##	29559 0.66535261	0.09926430 0.12754410	0.2267867499
##	29560 0.66535261	0.09926430 0.12754410	0.2267867499
##	29561 0.66535261	0.09926430 0.12754410	0.2267867499
##	29562 0.66535261	0.09926430 0.12754410	0.2267867499
##	29563 0.66535261	0.09926430 0.12754410	0.2267867499
##	29564 0.66535261	0.09926430 0.12754410	0.2267867499
##	29565 0.66535261	0.09926430 0.12754410	0.2267867499
##	29566 0.66535261	0.09926430 0.12754410	0.2267867499
##	29567 0.66535261	0.09926430 0.12754410	0.2267867499
##	29568 0.66535261	0.09926430 0.12754410	0.2267867499
##	29569 0.66535261	0.09926430 0.12754410	0.2267867499
##	29570 0.66535261	0.09926430 0.12754410	0.2267867499
##	29571 0.66535261	0.09926430 0.12754410	0.2267867499
##	29572 0.66535261	0.09926430 0.12754410	0.2267867499
##	29573 0.66535261	0.09926430 0.12754410	0.2267867499

##	29574 0.66535261	0.09926430 0.12754410	0.2267867499
##	29575 0.66535261	0.09926430 0.12754410	0.2267867499
##	29576 0.66535261	0.09926430 0.12754410	0.2267867499
##	29577 0.66535261	0.09926430 0.12754410	0.2267867499
##	29578 0.66535261	0.09926430 0.12754410	0.2267867499
##	29579 0.66535261	0.09926430 0.12754410	0.2267867499
##	29580 0.66535261	0.09926430 0.12754410	0.2267867499
##	29581 0.66535261	0.09926430 0.12754410	0.2267867499
##	29582 0.66535261	0.09926430 0.12754410	0.2267867499
##	29583 0.66535261	0.09926430 0.12754410	0.2267867499
##	29584 0.66535261	0.09926430 0.12754410	0.2267867499
##	29585 0.66535261	0.09926430 0.12754410	0.2267867499
##	29586 0.66535261	0.09926430 0.12754410	0.2267867499
##	29587 0.66535261	0.09926430 0.12754410	0.2267867499
##	29588 0.66535261	0.09926430 0.12754410	0.2267867499
##	29589 0.66535261	0.09926430 0.12754410	0.2267867499
##	29590 0.66535261	0.09926430 0.12754410	0.2267867499
##	29591 0.66535261	0.09926430 0.12754410	0.2267867499
##	29592 0.66535261	0.09926430 0.12754410	0.2267867499
##	29593 0.66535261	0.09926430 0.12754410	0.2267867499
##	29594 0.66535261	0.09926430 0.12754410	0.2267867499
##	29595 0.66535261	0.09926430 0.12754410	0.2267867499
##	29596 0.66535261	0.09926430 0.12754410	0.2267867499
##	29597 0.66535261	0.09926430 0.12754410	0.2267867499
##	29598 0.66535261	0.09926430 0.12754410	0.2267867499
##	29599 0.66535261	0.09926430 0.12754410	0.2267867499
##	29600 0.66535261	0.09926430 0.12754410	0.2267867499
##	29601 0.66535261	0.09926430 0.12754410	0.2267867499
##	29602 0.66535261	0.09926430 0.12754410	0.2267867499
##	29603 0.66535261	0.09926430 0.12754410	0.2267867499
	29604 0.66535261	0.09926430 0.12754410	0.2267867499
##	29605 0.66535261	0.09926430 0.12754410	0.2267867499
##	29606 0.66535261	0.09926430 0.12754410	0.2267867499
	29607 0.66535261	0.09926430 0.12754410	0.2267867499
##	29608 0.66535261	0.09926430 0.12754410	0.2267867499
	29609 0.66535261	0.09926430 0.12754410	0.2267867499
	29610 0.66535261	0.09926430 0.12754410	0.2267867499
	29611 0.66535261	0.09926430 0.12754410	0.2267867499
	29612 0.66535261	0.09926430 0.12754410	0.2267867499
	29613 0.66535261	0.09926430 0.12754410	0.2267867499
	29614 0.66535261	0.09926430 0.12754410	0.2267867499
	29615 0.66535261	0.09926430 0.12754410	0.2267867499
	29616 0.66535261	0.09926430 0.12754410	0.2267867499
	29617 0.66535261	0.09926430 0.12754410	0.2267867499
	29618 0.66535261	0.09926430 0.12754410	0.2267867499
	29619 0.66535261	0.09926430 0.12754410	0.2267867499
	29620 0.66535261	0.09926430 0.12754410	0.2267867499
	29621 0.66535261	0.09926430 0.12754410	0.2267867499
	29622 0.66535261	0.09926430 0.12754410	0.2267867499
##	29623 0.66535261	0.09926430 0.12754410	0.2267867499

##	29624	0.66535261	0.09926430	0.12754410	0.2267867499
##	29625	0.66535261	0.09926430	0.12754410	0.2267867499
##	29626	0.66535261	0.09926430	0.12754410	0.2267867499
##	29627	0.66535261	0.09926430	0.12754410	0.2267867499
##	29628	0.66535261	0.09926430	0.12754410	0.2267867499
##	29629	0.66535261	0.09926430	0.12754410	0.2267867499
##	29630	0.66535261	0.09926430	0.12754410	0.2267867499
##	29631	0.66535261	0.09926430	0.12754410	0.2267867499
##	29632	0.66535261	0.09926430	0.12754410	0.2267867499
##	29633	0.66535261	0.09926430	0.12754410	0.2267867499
##	29634	0.66535261	0.09926430	0.12754410	0.2267867499
##	29635	0.66535261	0.09926430	0.12754410	0.2267867499
##	29636	0.66535261	0.09926430	0.12754410	0.2267867499
##	29637	0.66535261	0.09926430	0.12754410	0.2267867499
##	29638	0.66535261	0.09926430	0.12754410	0.2267867499
##	29639	0.66535261	0.09926430	0.12754410	0.2267867499
##	29640	0.66535261	0.09926430	0.12754410	0.2267867499
##	29641	0.66535261	0.09926430	0.12754410	0.2267867499
##	29642	0.66535261	0.09926430	0.12754410	0.2267867499
##	29643	0.66535261	0.09926430	0.12754410	0.2267867499
##	29644	0.66535261	0.09926430	0.12754410	0.2267867499
##	29645	0.66535261	0.09926430	0.12754410	0.2267867499
##	29646	0.66535261	0.09926430	0.12754410	0.2267867499
##	29647	0.66535261	0.09926430	0.12754410	0.2267867499
##	29648	0.66535261	0.09926430	0.12754410	0.2267867499
##	29649	0.66535261	0.09926430	0.12754410	0.2267867499
##	29650	0.66535261	0.09926430	0.12754410	0.2267867499
##	29651	0.66535261	0.09926430	0.12754410	0.2267867499
##	29652	0.66535261	0.09926430	0.12754410	0.2267867499
##	29653	0.66535261	0.09926430	0.12754410	0.2267867499
##	29654	0.66535261	0.09926430	0.12754410	0.2267867499
##	29655	0.66535261	0.09926430	0.12754410	0.2267867499
##	29656	0.66535261	0.09926430	0.12754410	0.2267867499
##	29657	0.66535261	0.09926430	0.12754410	0.2267867499
##	29658	0.66535261	0.09926430	0.12754410	0.2267867499
##	29659	0.66535261	0.09926430	0.12754410	0.2267867499
##	29660	0.66535261	0.09926430	0.12754410	0.2267867499
##	29661	0.66535261	0.09926430	0.12754410	0.2267867499
##	29662	0.66535261	0.09926430	0.12754410	0.2267867499
##	29663	0.66535261	0.09926430	0.12754410	0.2267867499
##	29664	0.66535261	0.09926430	0.12754410	0.2267867499
##	29665	0.66535261	0.09926430	0.12754410	0.2267867499
##	29666	0.66535261	0.09926430	0.12754410	0.2267867499
##	29667	0.66535261	0.09926430	0.12754410	0.2267867499
##	29668	0.66535261	0.09926430	0.12754410	0.2267867499
##	29669	0.66535261	0.09926430	0.12754410	0.2267867499
##	29670	0.66535261	0.09926430	0.12754410	0.2267867499
##	29671	0.66535261	0.09926430	0.12754410	0.2267867499
##	29672	0.66535261	0.09926430	0.12754410	0.2267867499
##	29673	0.66535261	0.09926430	0.12754410	0.2267867499

	29674 0.6653		0.09926430			.2267867499	
	29675 0.6653		0.09926430			.2267867499	
	29676 0.6653		0.09926430			3.2267867499	
	29677 0.6653		0.09926430			.2267867499	
## 2	29678 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29679 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29680 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29681 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29682 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29683 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29684 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29685 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29686 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29687 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29688 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29689 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29690 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29691 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29692 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29693 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29694 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29695 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29696 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29697 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29698 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29699 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29700 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29701 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29702 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29703 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29704 0.6653	35261	0.09926430	0.12754410	6	.2267867499	
## 2	29705 0.6653		0.09926430		6	.2267867499	
	29706 0.6653		0.09926430		6	.2267867499	
	29707 0.6653		0.09926430			.2267867499	
## 2	29708 0.1957	79501	0.10024565	0.12935323	6	0.0568862661	
## 2	29709 0.1957	79501	0.10024565	0.12935323	6	0.0568862661	
	29710 0.1957		0.10024565			0.0568862661	
## 2	29711 0.1957	79501	0.10024565	0.12935323	6	0.0568862661	
## 2	29712 0.1957	79501	0.10024565	0.12935323	6	0.0568862661	
## 2	29713 0.1957	79501	0.10024565	0.12935323	6	0.0568862661	
## 2	29714 0.1957	79501	0.10024565	0.12935323	6	0.0568862661	
	29715 0.1957		0.10024565			0.0568862661	
	29716 0.1957		0.10024565			0.0568862661	
## 2	29717 0.1957	79501	0.10024565	0.12935323	6	0.0568862661	
## 2	29718 0.1957	79501	0.10024565	0.12935323	6	0.0568862661	
	29719 0.1957		0.10024565		6	0.0568862661	
## 2	29720 0.1957	79501	0.10024565	0.12935323	6	0.0568862661	
	29721 0.1957		0.10024565			0.0568862661	
	29722 0.1957		0.10024565			0.0568862661	
## 2	29723 0.1957	79501	0.10024565	0.12935323	6	0.0568862661	

## 29724 0.19579501	0.10024565 0.12935323	0.0568862661
## 29725 0.19579501	0.10024565 0.12935323	0.0568862661
## 29726 0.19579501	0.10024565 0.12935323	0.0568862661
## 29727 0.19579501	0.10024565 0.12935323	0.0568862661
## 29728 0.19579501	0.10024565 0.12935323	0.0568862661
## 29729 0.19579501	0.10024565 0.12935323	0.0568862661
## 29730 0.19579501	0.10024565 0.12935323	0.0568862661
## 29731 0.19579501	0.10024565 0.12935323	0.0568862661
## 29732 0.19579501	0.10024565 0.12935323	0.0568862661
## 29733 0.19579501	0.10024565 0.12935323	0.0568862661
## 29734 0.19579501	0.10024565 0.12935323	0.0568862661
## 29735 0.19579501	0.10024565 0.12935323	0.0568862661
## 29736 0.19579501	0.10024565 0.12935323	0.0568862661
## 29737 0.19579501	0.10024565 0.12935323	0.0568862661
## 29738 0.19579501	0.10024565 0.12935323	0.0568862661
## 29739 0.19579501	0.10024565 0.12935323	0.0568862661
## 29740 0.19579501	0.10024565 0.12935323	0.0568862661
## 29741 0.19579501	0.10024565 0.12935323	0.0568862661
## 29742 0.19579501	0.10024565 0.12935323	0.0568862661
## 29743 0.19579501	0.10024565 0.12935323	0.0568862661
## 29744 0.19579501	0.10024565 0.12935323	0.0568862661
## 29745 0.19579501	0.10024565 0.12935323	0.0568862661
## 29746 0.19579501	0.10024565 0.12935323	0.0568862661
## 29747 0.19579501	0.10024565 0.12935323	0.0568862661
## 29748 0.19579501	0.10024565 0.12935323	0.0568862661
## 29749 0.19579501	0.10024565 0.12935323	0.0568862661
## 29750 0.19579501	0.10024565 0.12935323	0.0568862661
## 29751 0.19579501	0.10024565 0.12935323	0.0568862661
## 29752 0.19579501	0.10024565 0.12935323	0.0568862661
## 29753 0.19579501	0.10024565 0.12935323	0.0568862661
## 29754 0.19579501	0.10024565 0.12935323	0.0568862661
## 29755 0.19579501	0.10024565 0.12935323	0.0568862661
## 29756 0.19579501	0.10024565 0.12935323	0.0568862661
## 29757 0.19579501	0.10024565 0.12935323	0.0568862661
## 29758 0.19579501	0.10024565 0.12935323	0.0568862661
## 29759 0.19579501	0.10024565 0.12935323	0.0568862661
## 29760 0.19579501	0.10024565 0.12935323	0.0568862661
## 29761 0.19579501	0.10024565 0.12935323	0.0568862661
## 29762 0.19579501	0.10024565 0.12935323	0.0568862661
## 29763 0.19579501	0.10024565 0.12935323	0.0568862661
## 29764 0.19579501	0.10024565 0.12935323	0.0568862661
## 29765 0.19579501	0.10024565 0.12935323	0.0568862661
## 29766 0.19579501	0.10024565 0.12935323	0.0568862661
## 29767 0.19579501	0.10024565 0.12935323	0.0568862661
## 29768 0.19579501	0.10024565 0.12935323	0.0568862661
## 29769 0.19579501	0.10024565 0.12935323	0.0568862661
## 29770 0.19579501	0.10024565 0.12935323	0.0568862661
## 29771 0.19579501	0.10024565 0.12935323	0.0568862661
## 29772 0.19579501	0.10024565 0.12935323	0.0568862661
## 29773 0.19579501	0.10024565 0.12935323	0.0568862661

```
## 29774 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29775 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29776 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29777 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29778 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29779 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29780 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29781 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29782 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29783 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29784 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29785 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29786 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29787 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
## 29788 0.19579501
                          0.10024565 0.12935323
                                                    0.0568862661
               X0.1
                                      X0.3
## 28004 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 28005 0.0076890218 0.0009620010 0.009968847 0.0073260073 0.39245283
## 28006 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28007 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 28008 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 28010 0.0042716788 0.0004810005 0.001246106 0.0032051282 0.39622642
## 28012 0.0106791969 0.0052910053 0.008722741 0.0086996337 0.39564586
## 28013 0.0038445109 0.0043290043 0.000000000 0.0041208791 0.39912917
## 28014 0.0273387441 0.0000000000 0.002492212 0.0283882784 0.39535559
## 28015 0.0952584366 0.0216450216 0.066666667 0.0627289377 0.37851959
## 28016 0.0119607006 0.0000000000 0.001246106 0.0128205128 0.39593614
## 28017 0.0038445109 0.0000000000 0.000000000 0.0041208791 0.39651669
## 28018 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
## 28019 0.0222127296 0.0125060125 0.016199377 0.0141941392 0.39651669
## 28020 0.0739000427 0.0048100048 0.047352025 0.0714285714 0.37735849
## 28021 0.0200768902 0.0014430014 0.027414330 0.0201465201 0.38461538
## 28022 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 28023 0.0418624519 0.0000000000 0.005607477 0.0444139194 0.39390421
## 28024 0.0098248612 0.0110630111 0.000000000 0.0105311355 0.40319303
## 28025 0.0064075182 0.0000000000 0.000623053 0.0064102564 0.39622642
## 28026 0.0192225545 0.0000000000 0.000623053 0.0206043956 0.39622642
## 28027 0.0111063648 0.0000000000 0.016199377 0.0119047619 0.38896952
## 28029 0.0093976933 0.0009620010 0.012461059 0.0100732601 0.39129173
## 28030 0.0034173430 0.0038480038 0.000000000 0.0036630037 0.39883890
## 28031 0.0021358394 0.0004810005 0.002492212 0.0022893773 0.39564586
## 28032 0.0012815036 0.0000000000 0.000000000 0.0013736264 0.39651669
## 28033 0.0153780436 0.0000000000 0.011838006 0.0164835165 0.39100145
## 28034 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
## 28036 0.0093976933 0.0105820106 0.000000000 0.0100732601 0.40290276
## 28037 0.0145237078 0.0000000000 0.004361371 0.0155677656 0.39448476
```

```
## 28038 0.0064075182 0.0004810005 0.008722741 0.0068681319 0.39274311
## 28039 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
## 28040 0.0068346860 0.00000000000 0.009968847 0.0073260073 0.39187228
## 28041 0.0102520290 0.0004810005 0.000623053 0.0100732601 0.39651669
## 28042 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28043 0.0072618539 0.0024050024 0.007476636 0.0077838828 0.39448476
## 28044 0.0247757369 0.0000000000 0.032398754 0.0265567766 0.38142235
## 28045 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28046 0.0187953866 0.00000000000 0.018691589 0.0201465201 0.38780842
## 28047 0.0012815036 0.0004810005 0.001246106 0.0013736264 0.39622642
## 28048 0.0140965399 0.0004810005 0.019937695 0.0151098901 0.38751814
## 28049 0.0645023494 0.0726310726 0.000000000 0.0691391941 0.44034833
## 28050 0.0422896198 0.0432900433 0.005607477 0.0453296703 0.42002903
## 28051 0.0072618539 0.0081770082 0.000000000 0.0077838828 0.40145138
## 28052 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28053 0.0132422042 0.0057720058 0.011838006 0.0137362637 0.39448476
## 28054 0.0670653567 0.0755170755 0.000000000 0.0718864469 0.44208999
## 28055 0.0132422042 0.0000000000 0.000623053 0.0137362637 0.39622642
## 28056 0.0055531824 0.0000000000 0.000623053 0.0059523810 0.39622642
## 28057 0.0158052114 0.0177970178 0.000000000 0.0169413919 0.40725689
## 28058 0.0072618539 0.0000000000 0.003738318 0.0073260073 0.39477504
## 28059 0.0179410508 0.0009620010 0.024922118 0.0183150183 0.38548621
## 28060 0.0076890218 0.0000000000 0.004361371 0.0082417582 0.39448476
## 28061 0.0055531824 0.0000000000 0.001246106 0.0054945055 0.39593614
## 28062 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 28063 0.0136693721 0.0153920154 0.000000000 0.0146520147 0.40580552
## 28064 0.0089705254 0.0101010101 0.000000000 0.0096153846 0.40261248
## 28065 0.0055531824 0.0004810005 0.004361371 0.0054945055 0.39477504
## 28066 0.0102520290 0.0115440115 0.000000000 0.0109890110 0.40348331
## 28067 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 28068 0.0205040581 0.0000000000 0.007476636 0.0210622711 0.39303338
## 28069 0.0034173430 0.0000000000 0.001869159 0.0036630037 0.39564586
## 28070 0.0115335327 0.0000000000 0.001246106 0.0114468864 0.39593614
## 28071 0.0038445109 0.0043290043 0.000000000 0.0041208791 0.39912917
## 28072 0.0068346860 0.0076960077 0.000000000 0.0073260073 0.40116110
## 28073 0.0068346860 0.0000000000 0.004984424 0.0068681319 0.39419448
## 28074 0.0158052114 0.0177970178 0.000000000 0.0169413919 0.40725689
## 28075 0.0059803503 0.0000000000 0.000623053 0.0059523810 0.39622642
## 28076 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 28077 0.0038445109 0.0000000000 0.002492212 0.0041208791 0.39535559
## 28078 0.0029901751 0.0004810005 0.003738318 0.0032051282 0.39506531
## 28079 0.0085433575 0.0000000000 0.012461059 0.0091575092 0.39071118
## 28080 0.0175138830 0.0004810005 0.024922118 0.0183150183 0.38519594
## 28081 0.0064075182 0.0004810005 0.000000000 0.0064102564 0.39680697
## 28082 0.0098248612 0.0004810005 0.013707165 0.0100732601 0.39042090
## 28083 0.0051260145 0.0057720058 0.000000000 0.0054945055 0.40000000
## 28084 0.0051260145 0.0000000000 0.00000000 0.0054945055 0.39651669
## 28085 0.0072618539 0.0004810005 0.006230530 0.0073260073 0.39390421
## 28086 0.0085433575 0.0096200096 0.000000000 0.0091575092 0.40232221
## 28087 0.0038445109 0.0043290043 0.000000000 0.0041208791 0.39912917
```

```
## 28088 0.0029901751 0.0000000000 0.000000000 0.0032051282 0.39651669
## 28089 0.0102520290 0.0115440115 0.000000000 0.0109890110 0.40348331
## 28090 0.0042716788 0.0000000000 0.001246106 0.0041208791 0.39593614
## 28094 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28097 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28098 0.0012815036 0.0000000000 0.000000000 0.0013736264 0.39651669
## 28100 0.0012815036 0.0000000000 0.001246106 0.0013736264 0.39593614
## 28103 0.0017086715 0.0000000000 0.002492212 0.0018315018 0.39535559
## 28104 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28106 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 28110 0.0008543358 0.0000000000 0.00000000 0.0009157509 0.39651669
## 28112 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28118 0.0025630073 0.0004810005 0.003115265 0.0022893773 0.39535559
## 28120 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28121 0.0051260145 0.0057720058 0.000000000 0.0054945055 0.40000000
## 28124 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28126 0.0017086715 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28128 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28131 0.0046988466 0.0048100048 0.000623053 0.0050366300 0.39912917
## 28132 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28133 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 28134 0.0004271679 0.0000000000 0.00000000 0.0004578755 0.39651669
```

```
## 28138 0.0008543358 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28139 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 28144 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28147 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28148 0.0038445109 0.0004810005 0.003738318 0.0036630037 0.39506531
## 28153 0.0017086715 0.0009620010 0.001246106 0.0018315018 0.39651669
## 28154 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28156 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 28157 0.0004271679 0.0004810005 0.000000000 0.0000000000 0.39680697
## 28161 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28163 0.0012815036 0.0000000000 0.000623053 0.0009157509 0.39622642
## 28164 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
## 28165 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28166 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28167 0.0576676634 0.0649350649 0.000000000 0.0618131868 0.43570392
## 28168 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 28169 0.0294745835 0.0331890332 0.000000000 0.0315934066 0.41654572
## 28170 0.1345578812 0.0389610390 0.145794393 0.1378205128 0.35210450
## 28171 0.0961127723 0.0110630111 0.125856698 0.0989010989 0.34455733
## 28172 0.0533959846 0.0216450216 0.049844237 0.0558608059 0.38635704
## 28173 0.0145237078 0.0038480038 0.016199377 0.0141941392 0.39129173
## 28174 0.0149508757 0.0019240019 0.019314642 0.0160256410 0.38867925
## 28175 0.0384451089 0.0432900433 0.000000000 0.0412087912 0.42264151
## 28176 0.0828705681 0.0129870130 0.054828660 0.0714285714 0.37880987
## 28178 0.0205040581 0.0230880231 0.000000000 0.0219780220 0.41044993
## 28179 0.0358821017 0.0014430014 0.012461059 0.0357142857 0.39158200
## 28180 0.0542503204 0.0014430014 0.008099688 0.0535714286 0.39361393
## 28181 0.1777018368 0.0187590188 0.234890966 0.1762820513 0.29840348
## 28182 0.0076890218 0.0000000000 0.001869159 0.0077838828 0.39564586
## 28183 0.0119607006 0.0043290043 0.011838006 0.0100732601 0.39361393
## 28184 0.0576676634 0.0072150072 0.074766355 0.0581501832 0.36603774
## 28185 0.0196497223 0.0048100048 0.022429907 0.0183150183 0.38896952
## 28186 0.1311405382 0.0096200096 0.032398754 0.1259157509 0.38722787
## 28187 0.0785988894 0.0250120250 0.082242991 0.0824175824 0.37329463
```

```
## 28188 0.0401537804 0.0120250120 0.042990654 0.0393772894 0.38374456
## 28189 0.1114908159 0.0057720058 0.018068536 0.1053113553 0.39158200
## 28190 0.0260572405 0.0293410293 0.000000000 0.0279304029 0.41422351
## 28191 0.0119607006 0.0048100048 0.011214953 0.0128205128 0.39419448
## 28192 0.0042716788 0.0014430014 0.004361371 0.0045787546 0.39535559
## 28193 0.0598035028 0.0139490139 0.069158879 0.0618131868 0.37271408
## 28194 0.0555318240 0.0091390091 0.069158879 0.0572344322 0.36981132
## 28195 0.0059803503 0.0014430014 0.006853583 0.0059523810 0.39419448
## 28196 0.0333190944 0.0057720058 0.041121495 0.0320512821 0.38084180
## 28197 0.0038445109 0.0014430014 0.003738318 0.0036630037 0.39564586
## 28198 0.0158052114 0.0024050024 0.019937695 0.0164835165 0.38867925
## 28199 0.0038445109 0.00000000000 0.000623053 0.0041208791 0.39622642
## 28200 0.0867150790 0.0173160173 0.104049844 0.0883699634 0.35849057
## 28202 0.0017086715 0.0009620010 0.001246106 0.0018315018 0.39651669
## 28203 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28204 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28205 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28207 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28210 0.0025630073 0.0004810005 0.003115265 0.0027472527 0.39535559
## 28213 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28219 0.0029901751 0.0004810005 0.003738318 0.0032051282 0.39506531
## 28220 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 28222 0.0021358394 0.00000000000 0.000623053 0.0022893773 0.39622642
## 28223 0.0008543358 0.0000000000 0.00000000 0.0009157509 0.39651669
## 28225 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28226 0.0017086715 0.0000000000 0.002492212 0.0018315018 0.39535559
## 28228 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28230 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
```

```
## 28239 0.0021358394 0.0000000000 0.001246106 0.0018315018 0.39593614
## 28240 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28241 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28246 0.0021358394 0.0000000000 0.003115265 0.0022893773 0.39506531
## 28247 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28249 0.0012815036 0.0000000000 0.000623053 0.0013736264 0.39622642
## 28251 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28253 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28254 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28255 0.0012815036 0.0000000000 0.000623053 0.0013736264 0.39622642
## 28260 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28263 0.0004271679 0.0004810005 0.000000000 0.0000000000 0.39680697
## 28265 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28267 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28269 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28270 0.0004271679 0.0004810005 0.000000000 0.0000000000 0.39680697
## 28271 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28273 0.0089705254 0.0014430014 0.006230530 0.0073260073 0.39448476
## 28274 0.0017086715 0.0000000000 0.00000000 0.0018315018 0.39651669
## 28275 0.0004271679 0.0000000000 0.00000000 0.0004578755 0.39651669
## 28277 0.0025630073 0.0000000000 0.000000000 0.0027472527 0.39651669
## 28278 0.0046988466 0.0024050024 0.003738318 0.0050366300 0.39622642
## 28280 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28281 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 28284 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28285 0.0012815036 0.0009620010 0.000623053 0.0013736264 0.39680697
## 28286 0.0017086715 0.0004810005 0.000000000 0.0013736264 0.39680697
## 28287 0.0252029047 0.0062530063 0.028660436 0.0270146520 0.38693759
```

```
## 28288 0.0448526271 0.0505050505 0.000000000 0.0480769231 0.42699565
## 28290 0.0029901751 0.0014430014 0.002492212 0.0032051282 0.39622642
## 28291 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 28292 0.0093976933 0.0004810005 0.006230530 0.0091575092 0.39390421
## 28293 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 28294 0.0051260145 0.0004810005 0.006853583 0.0050366300 0.39361393
## 28296 0.0042716788 0.0000000000 0.006230530 0.0045787546 0.39361393
## 28297 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28298 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28299 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 28300 0.0004271679 0.0004810005 0.000000000 0.0000000000 0.39680697
## 28302 0.0004271679 0.0004810005 0.000000000 0.0000000000 0.39680697
## 28305 0.0017086715 0.0009620010 0.001246106 0.0009157509 0.39651669
## 28306 0.0111063648 0.0038480038 0.011214953 0.0114468864 0.39361393
## 28307 0.1221700128 0.0024050024 0.065420561 0.1277472527 0.36748911
## 28308 0.0072618539 0.0081770082 0.000000000 0.0077838828 0.40145138
## 28309 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28310 0.0333190944 0.0052910053 0.041744548 0.0343406593 0.38026125
## 28311 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28312 0.0820162324 0.0019240019 0.020560748 0.0851648352 0.38809869
## 28313 0.0093976933 0.0028860029 0.009968847 0.0100732601 0.39361393
## 28314 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 28315 0.0051260145 0.0000000000 0.000000000 0.0054945055 0.39651669
## 28317 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 28318 0.0017086715 0.0000000000 0.002492212 0.0018315018 0.39535559
## 28319 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 28320 0.0273387441 0.0052910053 0.033021807 0.0293040293 0.38432511
## 28321 0.0059803503 0.0000000000 0.000000000 0.0064102564 0.39651669
## 28322 0.0008543358 0.0000000000 0.000000000 0.0009157509 0.39651669
## 28323 0.0187953866 0.0067340067 0.018691589 0.0201465201 0.39187228
## 28324 0.0008543358 0.0004810005 0.000623053 0.0004578755 0.39651669
## 28325 0.0111063648 0.0125060125 0.000000000 0.0119047619 0.40406386
## 28326 0.0341734302 0.0009620010 0.048598131 0.0361721612 0.37445573
## 28327 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28328 0.0042716788 0.0009620010 0.004984424 0.0041208791 0.39477504
## 28329 0.0017086715 0.0000000000 0.000623053 0.0013736264 0.39622642
## 28330 0.0145237078 0.0072150072 0.011838006 0.0155677656 0.39535559
## 28331 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 28332 0.0004271679 0.0004810005 0.000000000 0.0000000000 0.39680697
## 28333 0.0119607006 0.0134680135 0.000000000 0.0128205128 0.40464441
## 28334 0.0076890218 0.0000000000 0.011214953 0.0082417582 0.39129173
## 28335 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
## 28336 0.0128150363 0.0144300144 0.000000000 0.0137362637 0.40522496
## 28337 0.0081161897 0.0091390091 0.000000000 0.0086996337 0.40203193
```

```
## 28338 0.0145237078 0.0163540164 0.000000000 0.0155677656 0.40638607
## 28339 0.0051260145 0.0004810005 0.006853583 0.0050366300 0.39361393
## 28340 0.0089705254 0.0000000000 0.003738318 0.0096153846 0.39477504
## 28341 0.0209312260 0.0004810005 0.001869159 0.0210622711 0.39593614
## 28342 0.0504058095 0.0033670034 0.020560748 0.0503663004 0.38896952
## 28343 0.0542503204 0.0048100048 0.016199377 0.0512820513 0.39187228
## 28344 0.0256300726 0.0004810005 0.005607477 0.0270146520 0.39419448
## 28345 0.0209312260 0.0235690236 0.000000000 0.0224358974 0.41074020
## 28346 0.0081161897 0.0091390091 0.000000000 0.0086996337 0.40203193
## 28347 0.0247757369 0.0057720058 0.028660436 0.0251831502 0.38664731
## 28348 0.0038445109 0.0004810005 0.000623053 0.0032051282 0.39651669
## 28349 0.0004271679 0.00000000000 0.000000000 0.0004578755 0.39651669
## 28352 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28354 0.0029901751 0.0000000000 0.001246106 0.0032051282 0.39593614
## 28355 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 28356 0.0034173430 0.0000000000 0.004984424 0.0036630037 0.39419448
## 28357 0.0046988466 0.0009620010 0.005607477 0.0045787546 0.39448476
## 28359 0.0017086715 0.0009620010 0.001246106 0.0013736264 0.39651669
## 28360 0.0012815036 0.00000000000 0.000623053 0.0013736264 0.39622642
## 28361 0.0008543358 0.0009620010 0.000000000 0.0000000000 0.39709724
## 28362 0.0017086715 0.0009620010 0.001246106 0.0013736264 0.39651669
## 28363 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 28364 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 28365 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28366 0.0004271679 0.0000000000 0.00000000 0.0004578755 0.39651669
## 28368 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28369 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28371 0.0025630073 0.0000000000 0.000623053 0.0027472527 0.39622642
## 28372 0.0051260145 0.0009620010 0.006230530 0.0045787546 0.39419448
## 28373 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28374 0.0012815036 0.0000000000 0.00000000 0.0013736264 0.39651669
## 28375 0.0042716788 0.0004810005 0.000623053 0.0041208791 0.39651669
## 28377 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28378 0.0093976933 0.0009620010 0.008099688 0.0091575092 0.39332366
## 28379 0.0008543358 0.0000000000 0.000000000 0.0009157509 0.39651669
## 28380 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28381 0.0051260145 0.0009620010 0.006230530 0.0050366300 0.39419448
## 28383 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28384 0.0004271679 0.0000000000 0.00000000 0.0004578755 0.39651669
## 28385 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
```

```
## 28388 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 28389 0.0042716788 0.0000000000 0.001869159 0.0041208791 0.39564586
## 28390 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28391 0.0012815036 0.0004810005 0.001246106 0.0009157509 0.39622642
## 28392 0.0012815036 0.0000000000 0.000000000 0.0013736264 0.39651669
## 28393 0.0059803503 0.00000000000 0.008722741 0.0064102564 0.39245283
## 28394 0.0017086715 0.0000000000 0.002492212 0.0018315018 0.39535559
## 28395 0.0042716788 0.0000000000 0.001869159 0.0045787546 0.39564586
## 28396 0.0115335327 0.0000000000 0.001246106 0.0123626374 0.39593614
## 28397 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28398 0.0064075182 0.0000000000 0.001869159 0.0068681319 0.39564586
## 28399 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28400 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28401 0.0046988466 0.0009620010 0.003115265 0.0041208791 0.39564586
## 28403 0.0008543358 0.0000000000 0.000000000 0.0009157509 0.39651669
## 28404 0.0012815036 0.0000000000 0.000623053 0.0013736264 0.39622642
## 28406 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 28411 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28418 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28423 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28424 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28425 0.0008543358 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28437 0.0008543358 0.0000000000 0.000623053 0.0009157509 0.39622642
```

```
## 28438 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 28441 0.0170867151 0.0192400192 0.000000000 0.0183150183 0.40812772
## 28442 0.0431439556 0.0024050024 0.059813084 0.0453296703 0.37010160
## 28443 0.0516873131 0.0582010582 0.000000000 0.0554029304 0.43164006
## 28444 0.0367364374 0.0033670034 0.049221184 0.0370879121 0.37561684
## 28445 0.0320375908 0.0360750361 0.000000000 0.0343406593 0.41828737
## 28446 0.0106791969 0.0120250120 0.000000000 0.0114468864 0.40377358
## 28447 0.3925672789 0.0447330447 0.514641745 0.4075091575 0.18374456
## 28448 0.1640324648 0.1847041847 0.000000000 0.1758241758 0.50798258
## 28449 0.0598035028 0.0028860029 0.083489097 0.0636446886 0.35936139
## 28450 0.0375907732 0.0019240019 0.052336449 0.0393772894 0.37329463
## 28451 0.0504058095 0.0567580568 0.000000000 0.0540293040 0.43076923
## 28452 0.4856898761 0.5468975469 0.000000000 0.5206043956 0.72656023
## 28453 0.0085433575 0.0096200096 0.000000000 0.0091575092 0.40232221
## 28454 0.0606578385 0.0187590188 0.064174455 0.0636446886 0.37793904
## 28455 0.0243485690 0.0024050024 0.032398754 0.0256410256 0.38287373
## 28456 0.0153780436 0.0004810005 0.021806854 0.0160256410 0.38664731
## 28457 0.0200768902 0.0028860029 0.025545171 0.0215201465 0.38635704
## 28458 0.1311405382 0.1476671477 0.000000000 0.1405677656 0.48563135
## 28459 0.0867150790 0.0976430976 0.000000000 0.0929487179 0.45544267
## 28460 0.0132422042 0.0149110149 0.000000000 0.0141941392 0.40551524
## 28461 0.0602306707 0.0678210678 0.000000000 0.0645604396 0.43744557
## 28462 0.0149508757 0.0024050024 0.018691589 0.0155677656 0.38925980
## 28463 0.0431439556 0.0485810486 0.000000000 0.0462454212 0.42583454
## 28464 0.0081161897 0.0000000000 0.011838006 0.0086996337 0.39100145
## 28465 0.0222127296 0.0043290043 0.026791277 0.0233516484 0.38664731
## 28466 0.0051260145 0.0057720058 0.000000000 0.0054945055 0.40000000
## 28467 0.0140965399 0.0028860029 0.016822430 0.0151098901 0.39042090
## 28468 0.0307560871 0.0346320346 0.000000000 0.0329670330 0.41741655
## 28469 0.3489961555 0.3929773930 0.000000000 0.3740842491 0.63367199
## 28470 0.0222127296 0.0000000000 0.032398754 0.0238095238 0.38142235
## 28471 0.0205040581 0.0076960077 0.019937695 0.0215201465 0.39187228
## 28472 0.0324647587 0.0365560366 0.000000000 0.0347985348 0.41857765
## 28473 0.0132422042 0.0149110149 0.000000000 0.0141941392 0.40551524
## 28474 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 28475 0.0239214011 0.0019240019 0.032398754 0.0238095238 0.38258345
## 28476 0.0397266126 0.0447330447 0.000000000 0.0425824176 0.42351234
## 28477 0.0162323793 0.0182780183 0.000000000 0.0173992674 0.40754717
## 28478 0.0175138830 0.0197210197 0.000000000 0.0187728938 0.40841800
## 28479 0.0132422042 0.0149110149 0.000000000 0.0141941392 0.40551524
## 28480 0.0273387441 0.0307840308 0.000000000 0.0293040293 0.41509434
## 28481 0.0299017514 0.0336700337 0.000000000 0.0320512821 0.41683599
## 28482 0.0179410508 0.0202020202 0.000000000 0.0192307692 0.40870827
## 28483 0.0162323793 0.0182780183 0.000000000 0.0173992674 0.40754717
## 28484 0.0247757369 0.0278980279 0.000000000 0.0265567766 0.41335269
## 28485 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
## 28486 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 28487 0.0089705254 0.0101010101 0.000000000 0.0096153846 0.40261248
```

```
## 28488 0.0303289193 0.0341510342 0.000000000 0.0325091575 0.41712627
## 28489 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 28490 0.0320375908 0.0360750361 0.000000000 0.0343406593 0.41828737
## 28491 0.0247757369 0.0278980279 0.000000000 0.0265567766 0.41335269
## 28492 0.0307560871 0.0346320346 0.000000000 0.0329670330 0.41741655
## 28493 0.0166595472 0.0187590188 0.000000000 0.0178571429 0.40783745
## 28494 0.5668517727 0.1168831169 0.483489097 0.4830586081 0.24179971
## 28495 0.8961982059 0.1216931217 0.406230530 0.7793040293 0.28069666
## 28496 0.5578812473 0.1784511785 0.582554517 0.5128205128 0.23280116
## 28497 0.5719777873 0.6440596441 0.000000000 0.6130952381 0.78519594
## 28498 0.1072191371 0.0177970178 0.133333333 0.1016483516 0.34513788
## 28499 0.2507475438 0.2823472823 0.000000000 0.2687728938 0.56690856
## 28500 0.0179410508 0.0202020202 0.000000000 0.0192307692 0.40870827
## 28501 0.0226398975 0.0254930255 0.000000000 0.0242673993 0.41190131
## 28502 0.0277659120 0.0052910053 0.009345794 0.0201465201 0.39535559
## 28503 0.0542503204 0.0048100048 0.047975078 0.0531135531 0.37706821
## 28504 0.0299017514 0.0033670034 0.039252336 0.0302197802 0.38026125
## 28505 0.0286202478 0.0028860029 0.038006231 0.0279304029 0.38055152
## 28506 0.0085433575 0.0096200096 0.000000000 0.0091575092 0.40232221
## 28507 0.0640751815 0.0721500722 0.000000000 0.0686813187 0.44005806
## 28508 0.0123878684 0.0139490139 0.000000000 0.0132783883 0.40493469
## 28509 0.0457069628 0.0149110149 0.047352025 0.0480769231 0.38345428
## 28510 0.0213583938 0.0000000000 0.003738318 0.0215201465 0.39477504
## 28511 0.0234942332 0.0264550265 0.000000000 0.0251831502 0.41248186
## 28512 0.0166595472 0.0187590188 0.000000000 0.0178571429 0.40783745
## 28513 0.0093976933 0.0004810005 0.001869159 0.0082417582 0.39593614
## 28514 0.0046988466 0.0009620010 0.003115265 0.0041208791 0.39564586
## 28515 0.0055531824 0.0000000000 0.000623053 0.0054945055 0.39622642
## 28516 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28517 0.0269115762 0.0057720058 0.031775701 0.0247252747 0.38519594
## 28518 0.0008543358 0.0004810005 0.000623053 0.0009157509 0.39651669
## 28519 0.0162323793 0.0004810005 0.003115265 0.0155677656 0.39535559
## 28520 0.0042716788 0.0004810005 0.002492212 0.0041208791 0.39564586
## 28521 0.0170867151 0.0192400192 0.000000000 0.0183150183 0.40812772
## 28522 0.0645023494 0.0726310726 0.000000000 0.0691391941 0.44034833
## 28523 0.0012815036 0.0000000000 0.001869159 0.0004578755 0.39564586
## 28525 0.0051260145 0.0000000000 0.007476636 0.0054945055 0.39303338
## 28526 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28527 0.0636480137 0.0072150072 0.039252336 0.0485347985 0.38258345
## 28528 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28529 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28531 0.0205040581 0.0187590188 0.005607477 0.0219780220 0.40522496
## 28533 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28535 0.0051260145 0.0000000000 0.001246106 0.0050366300 0.39593614
## 28536 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
## 28537 0.0034173430 0.0004810005 0.003738318 0.0027472527 0.39506531
```

```
## 28538 0.0012815036 0.0009620010 0.000623053 0.0013736264 0.39680697
## 28539 0.0111063648 0.0125060125 0.000000000 0.0119047619 0.40406386
## 28541 0.0123878684 0.0009620010 0.016822430 0.0128205128 0.38925980
## 28542 0.0034173430 0.0004810005 0.004361371 0.0032051282 0.39477504
## 28543 0.0106791969 0.0120250120 0.000000000 0.0114468864 0.40377358
## 28544 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28545 0.0239214011 0.0269360269 0.000000000 0.0256410256 0.41277213
## 28546 0.0034173430 0.0038480038 0.000000000 0.0036630037 0.39883890
## 28547 0.0017086715 0.0004810005 0.000623053 0.0009157509 0.39651669
## 28548 0.0017086715 0.0000000000 0.00000000 0.0018315018 0.39651669
## 28549 0.0051260145 0.0057720058 0.000000000 0.0054945055 0.40000000
## 28550 0.0034173430 0.0014430014 0.003115265 0.0036630037 0.39593614
## 28551 0.0008543358 0.0004810005 0.000623053 0.0004578755 0.39651669
## 28552 0.0042716788 0.0000000000 0.006230530 0.0045787546 0.39361393
## 28553 0.0025630073 0.0009620010 0.001246106 0.0018315018 0.39651669
## 28554 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28555 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28556 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28557 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28558 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 28559 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28561 0.0051260145 0.0004810005 0.006853583 0.0050366300 0.39361393
## 28562 0.0046988466 0.0004810005 0.006230530 0.0050366300 0.39390421
## 28563 0.0081161897 0.0019240019 0.009345794 0.0086996337 0.39332366
## 28564 0.0132422042 0.0004810005 0.002492212 0.0128205128 0.39564586
## 28565 0.0316104229 0.0057720058 0.029906542 0.0279304029 0.38606676
## 28566 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28567 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28568 0.0128150363 0.0004810005 0.006853583 0.0109890110 0.39361393
## 28569 0.0021358394 0.00000000000 0.000623053 0.0018315018 0.39622642
## 28570 0.0012815036 0.0000000000 0.001246106 0.0013736264 0.39593614
## 28571 0.0008543358 0.0000000000 0.000000000 0.0009157509 0.39651669
## 28572 0.0106791969 0.00000000000 0.000623053 0.0109890110 0.39622642
## 28573 0.0017086715 0.0009620010 0.001246106 0.0009157509 0.39651669
## 28574 0.0046988466 0.0019240019 0.004361371 0.0045787546 0.39564586
## 28575 0.0102520290 0.00000000000 0.014953271 0.0109890110 0.38955007
## 28576 0.0029901751 0.0009620010 0.003115265 0.0032051282 0.39564586
## 28577 0.0410081162 0.0461760462 0.000000000 0.0439560440 0.42438316
## 28578 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28579 0.0145237078 0.0052910053 0.014330218 0.0137362637 0.39303338
## 28580 0.0012815036 0.0004810005 0.001246106 0.0013736264 0.39622642
## 28581 0.0059803503 0.0000000000 0.000623053 0.0059523810 0.39622642
## 28582 0.0038445109 0.0043290043 0.000000000 0.0041208791 0.39912917
## 28583 0.0264844084 0.0101010101 0.025545171 0.0265567766 0.39071118
## 28584 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 28585 0.0038445109 0.0004810005 0.000623053 0.0032051282 0.39651669
## 28586 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 28587 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
```

```
## 28588 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28589 0.0034173430 0.0000000000 0.000000000 0.0036630037 0.39651669
## 28590 0.0038445109 0.0004810005 0.001869159 0.0036630037 0.39593614
## 28591 0.0042716788 0.0004810005 0.005607477 0.0045787546 0.39419448
## 28592 0.0034173430 0.0000000000 0.000623053 0.0032051282 0.39622642
## 28593 0.0158052114 0.0057720058 0.015576324 0.0164835165 0.39274311
## 28594 0.0029901751 0.0000000000 0.001869159 0.0027472527 0.39564586
## 28595 0.0098248612 0.0028860029 0.010591900 0.0077838828 0.39332366
## 28596 0.0081161897 0.0033670034 0.001869159 0.0050366300 0.39767779
## 28597 0.0170867151 0.0192400192 0.000000000 0.0183150183 0.40812772
## 28598 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
## 28599 0.0021358394 0.00000000000 0.000623053 0.0018315018 0.39622642
## 28600 0.0042716788 0.0033670034 0.001869159 0.0045787546 0.39767779
## 28601 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28603 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28604 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28605 0.0093976933 0.0105820106 0.000000000 0.0100732601 0.40290276
## 28606 0.0021358394 0.0009620010 0.001869159 0.0022893773 0.39622642
## 28607 0.0012815036 0.0000000000 0.000000000 0.0013736264 0.39651669
## 28608 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28609 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28610 0.0046988466 0.0004810005 0.006230530 0.0045787546 0.39390421
## 28611 0.0012815036 0.0000000000 0.000000000 0.0013736264 0.39651669
## 28612 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28613 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 28614 0.0012815036 0.0000000000 0.000623053 0.0013736264 0.39622642
## 28615 0.0046988466 0.0004810005 0.003738318 0.0041208791 0.39506531
## 28616 0.0064075182 0.0019240019 0.006853583 0.0064102564 0.39448476
## 28617 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 28618 0.0012815036 0.0000000000 0.000623053 0.0013736264 0.39622642
## 28619 0.0017086715 0.0000000000 0.002492212 0.0018315018 0.39535559
## 28620 0.0102520290 0.0019240019 0.004361371 0.0086996337 0.39564586
## 28621 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28622 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28623 0.0008543358 0.0000000000 0.00000000 0.0009157509 0.39651669
## 28624 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28625 0.0200768902 0.0014430014 0.027414330 0.0206043956 0.38461538
## 28626 0.0230670654 0.0057720058 0.026168224 0.0215201465 0.38780842
## 28627 0.0025630073 0.0004810005 0.001246106 0.0022893773 0.39622642
## 28628 0.0085433575 0.0076960077 0.002492212 0.0091575092 0.40000000
## 28629 0.0012815036 0.0009620010 0.000623053 0.0004578755 0.39680697
## 28630 0.0076890218 0.0048100048 0.004984424 0.0073260073 0.39709724
## 28631 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28632 0.0038445109 0.0009620010 0.001869159 0.0032051282 0.39622642
## 28633 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28634 0.0042716788 0.0004810005 0.005607477 0.0045787546 0.39419448
## 28635 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28636 0.0209312260 0.0086580087 0.019314642 0.0192307692 0.39274311
## 28637 0.0051260145 0.0057720058 0.000000000 0.0054945055 0.40000000
```

```
## 28638 0.0444254592 0.0192400192 0.039875389 0.0384615385 0.38955007
## 28639 0.0234942332 0.0264550265 0.000000000 0.0251831502 0.41248186
## 28640 0.0038445109 0.0004810005 0.004984424 0.0041208791 0.39448476
## 28641 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28642 0.0388722768 0.0144300144 0.038006231 0.0352564103 0.38751814
## 28643 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28644 0.0017086715 0.0000000000 0.002492212 0.0018315018 0.39535559
## 28645 0.0034173430 0.0000000000 0.001246106 0.0027472527 0.39593614
## 28646 0.0034173430 0.0038480038 0.000000000 0.0036630037 0.39883890
## 28647 0.0004271679 0.0000000000 0.000623053 0.0000000000 0.39622642
## 28648 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28649 0.0392994447 0.0033670034 0.022429907 0.0361721612 0.38809869
## 28650 0.0055531824 0.0004810005 0.001869159 0.0050366300 0.39593614
## 28651 0.0081161897 0.0019240019 0.009345794 0.0068681319 0.39332366
## 28652 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28653 0.0111063648 0.0000000000 0.001869159 0.0109890110 0.39564586
## 28654 0.0017086715 0.0000000000 0.00000000 0.0018315018 0.39651669
## 28655 0.0098248612 0.0024050024 0.011214953 0.0091575092 0.39274311
## 28656 0.0025630073 0.0004810005 0.003115265 0.0027472527 0.39535559
## 28657 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 28658 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 28659 0.0038445109 0.0043290043 0.000000000 0.0041208791 0.39912917
## 28660 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28661 0.0666381888 0.0115440115 0.082242991 0.0622710623 0.36516691
## 28662 0.0431439556 0.0096200096 0.050467290 0.0439560440 0.37880987
## 28663 0.0205040581 0.0230880231 0.000000000 0.0219780220 0.41044993
## 28664 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 28665 0.0025630073 0.0000000000 0.001869159 0.0027472527 0.39564586
## 28667 0.0064075182 0.0033670034 0.004984424 0.0059523810 0.39622642
## 28670 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28671 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28672 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28675 0.0021358394 0.0009620010 0.001246106 0.0013736264 0.39651669
## 28676 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28677 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28684 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28686 0.0012815036 0.0004810005 0.001246106 0.0009157509 0.39622642
```

```
## 28692 0.0004271679 0.0000000000 0.00000000 0.0004578755 0.39651669
## 28696 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28700 0.0008543358 0.0000000000 0.000000000 0.0009157509 0.39651669
## 28704 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28706 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 28713 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28724 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
```

```
## 28742 0.2174284494 0.0115440115 0.130841121 0.2147435897 0.34252540
## 28743 0.0034173430 0.0000000000 0.001869159 0.0036630037 0.39564586
## 28744 0.0064075182 0.0033670034 0.004984424 0.0068681319 0.39622642
## 28745 0.0183682187 0.0004810005 0.003738318 0.0183150183 0.39506531
## 28746 0.0217855617 0.0009620010 0.003738318 0.0219780220 0.39535559
## 28747 0.0973942760 0.1096681097 0.000000000 0.1043956044 0.46269956
## 28748 0.0632208458 0.0711880712 0.000000000 0.0677655678 0.43947750
## 28749 0.0431439556 0.0052910053 0.024922118 0.0402930403 0.38809869
## 28750 0.0324647587 0.0365560366 0.000000000 0.0347985348 0.41857765
## 28751 0.2507475438 0.0076960077 0.059813084 0.2449633700 0.37329463
## 28752 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 28753 0.3447244767 0.0115440115 0.066043614 0.3099816850 0.37271408
## 28754 0.2733874413 0.0254930255 0.068535826 0.2500000000 0.37997097
## 28755 0.0093976933 0.0004810005 0.000623053 0.0096153846 0.39651669
## 28756 0.1217428449 0.0303030303 0.138317757 0.1217948718 0.35036284
## 28757 0.0572404955 0.0163540164 0.062305296 0.0499084249 0.37735849
## 28758 0.0093976933 0.0024050024 0.001246106 0.0077838828 0.39738752
## 28759 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 28760 0.0884237505 0.0995670996 0.000000000 0.0947802198 0.45660377
## 28761 0.0145237078 0.0000000000 0.003738318 0.0141941392 0.39477504
## 28762 0.0239214011 0.0048100048 0.028660436 0.0224358974 0.38606676
## 28763 0.0401537804 0.0086580087 0.047352025 0.0412087912 0.37968070
## 28764 0.1072191371 0.1207311207 0.000000000 0.1149267399 0.46937591
## 28765 0.0277659120 0.0057720058 0.033021807 0.0270146520 0.38461538
## 28766 0.0234942332 0.0264550265 0.000000000 0.0251831502 0.41248186
## 28769 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 28781 0.0008543358 0.0004810005 0.000623053 0.0004578755 0.39651669
## 28782 0.0046988466 0.0028860029 0.003115265 0.0022893773 0.39680697
## 28783 0.1900897053 0.2140452140 0.000000000 0.2037545788 0.52568940
## 28784 0.0183682187 0.0000000000 0.006230530 0.0187728938 0.39361393
## 28785 0.0790260572 0.0014430014 0.011214953 0.0815018315 0.39216255
## 28786 0.3276377616 0.0086580087 0.177570093 0.3415750916 0.31901306
## 28787 0.1003844511 0.0033670034 0.142056075 0.1043956044 0.33236575
```

```
## 28788 0.1794105083 0.0163540164 0.240498442 0.1881868132 0.29433962
## 28789 0.1277231952 0.0038480038 0.181308411 0.1336996337 0.31436865
## 28790 0.0764630500 0.0024050024 0.108411215 0.0805860806 0.34746009
## 28791 0.0098248612 0.0110630111 0.000000000 0.0105311355 0.40319303
## 28792 0.0081161897 0.0091390091 0.000000000 0.0086996337 0.40203193
## 28793 0.0410081162 0.0091390091 0.047975078 0.0439560440 0.37968070
## 28794 0.0089705254 0.0101010101 0.000000000 0.0096153846 0.40261248
## 28795 0.0392994447 0.0197210197 0.031775701 0.0412087912 0.39361393
## 28796 0.0777445536 0.0000000000 0.009968847 0.0787545788 0.39187228
## 28797 0.0563861598 0.0009620010 0.031775701 0.0586080586 0.38229318
## 28798 0.1841093550 0.0033670034 0.080373832 0.1826923077 0.36110305
## 28799 0.0307560871 0.0028860029 0.003738318 0.0279304029 0.39651669
## 28800 0.0580948313 0.0048100048 0.009345794 0.0558608059 0.39506531
## 28801 0.0367364374 0.0052910053 0.046728972 0.0343406593 0.37793904
## 28802 0.0243485690 0.0274170274 0.000000000 0.0260989011 0.41306241
## 28803 0.0709098676 0.0798460798 0.000000000 0.0760073260 0.44470247
## 28804 0.0239214011 0.0033670034 0.030529595 0.0238095238 0.38432511
## 28805 0.1819735156 0.0197210197 0.113395639 0.1671245421 0.35558781
## 28806 0.0136693721 0.0153920154 0.000000000 0.0146520147 0.40580552
## 28807 0.1106364801 0.0971620972 0.035514019 0.1153846154 0.43860668
## 28808 0.0619393422 0.0697450697 0.000000000 0.0663919414 0.43860668
## 28809 0.0149508757 0.0028860029 0.018068536 0.0160256410 0.38984035
## 28810 0.2370781717 0.0572390572 0.271651090 0.2197802198 0.30449927
## 28811 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 28812 0.0948312687 0.1067821068 0.000000000 0.1016483516 0.46095791
## 28813 0.0546774883 0.0038480038 0.074766355 0.0581501832 0.36400581
## 28814 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28815 0.0205040581 0.0230880231 0.000000000 0.0219780220 0.41044993
## 28816 0.2144382742 0.0452140452 0.254205607 0.1987179487 0.30537010
## 28817 0.0162323793 0.0182780183 0.000000000 0.0173992674 0.40754717
## 28818 0.0439982913 0.0115440115 0.049221184 0.0361721612 0.38055152
## 28819 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28820 0.1806920120 0.2034632035 0.000000000 0.1936813187 0.51930334
## 28821 0.0589491670 0.0182780183 0.062305296 0.0631868132 0.37851959
## 28822 0.0243485690 0.0105820106 0.021806854 0.0256410256 0.39274311
## 28823 0.1042289620 0.0048100048 0.145794393 0.1094322344 0.33149492
## 28824 0.0072618539 0.0081770082 0.000000000 0.0077838828 0.40145138
## 28825 0.0209312260 0.0072150072 0.021183801 0.0219780220 0.39100145
## 28826 0.0700555318 0.0129870130 0.085358255 0.0728021978 0.36458636
## 28827 0.0175138830 0.0019240019 0.023052960 0.0178571429 0.38693759
## 28828 0.0051260145 0.0057720058 0.000000000 0.0054945055 0.40000000
## 28829 0.0256300726 0.0067340067 0.028660436 0.0251831502 0.38722787
## 28830 0.0098248612 0.0014430014 0.001869159 0.0086996337 0.39651669
## 28831 0.0187953866 0.0009620010 0.026168224 0.0192307692 0.38490566
## 28832 0.0474156343 0.0038480038 0.064174455 0.0476190476 0.36894049
## 28833 0.0081161897 0.0091390091 0.000000000 0.0086996337 0.40203193
## 28834 0.0158052114 0.0177970178 0.000000000 0.0169413919 0.40725689
## 28835 0.0149508757 0.0033670034 0.017445483 0.0146520147 0.39042090
## 28836 0.0111063648 0.0000000000 0.000623053 0.0119047619 0.39622642
## 28837 0.0213583938 0.0033670034 0.026791277 0.0224358974 0.38606676
```

```
## 28838 0.0136693721 0.0009620010 0.018691589 0.0137362637 0.38838897
## 28840 0.0008543358 0.0000000000 0.00000000 0.0009157509 0.39651669
## 28841 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28842 0.0046988466 0.0009620010 0.000000000 0.0041208791 0.39709724
## 28843 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 28844 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28845 0.0098248612 0.0000000000 0.014330218 0.0105311355 0.38984035
## 28846 0.0034173430 0.0000000000 0.000000000 0.0036630037 0.39651669
## 28848 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28849 0.0068346860 0.00000000000 0.009968847 0.0073260073 0.39187228
## 28850 0.0111063648 0.0125060125 0.000000000 0.0119047619 0.40406386
## 28851 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28853 0.0076890218 0.0004810005 0.010591900 0.0082417582 0.39187228
## 28854 0.0017086715 0.0000000000 0.000000000 0.0018315018 0.39651669
## 28855 0.0012815036 0.0000000000 0.001246106 0.0013736264 0.39593614
## 28857 0.0029901751 0.0000000000 0.004361371 0.0032051282 0.39448476
## 28858 0.0025630073 0.0000000000 0.003738318 0.0027472527 0.39477504
## 28860 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28861 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28862 0.0038445109 0.0043290043 0.000000000 0.0041208791 0.39912917
## 28863 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28864 0.0042716788 0.0000000000 0.000623053 0.0041208791 0.39622642
## 28865 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 28866 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28867 0.0017086715 0.0000000000 0.000000000 0.0018315018 0.39651669
## 28868 0.0046988466 0.0000000000 0.001246106 0.0041208791 0.39593614
## 28869 0.0025630073 0.0000000000 0.000000000 0.0027472527 0.39651669
## 28870 0.0021358394 0.0000000000 0.003115265 0.0022893773 0.39506531
## 28871 0.0021358394 0.0000000000 0.000000000 0.0022893773 0.39651669
## 28872 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28873 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28874 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28875 0.0085433575 0.00000000000 0.000000000 0.0091575092 0.39651669
## 28876 0.0025630073 0.0000000000 0.003738318 0.0027472527 0.39477504
## 28877 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 28878 0.0858607433 0.0033670034 0.120872274 0.0897435897 0.34223512
## 28879 0.0128150363 0.0019240019 0.005607477 0.0114468864 0.39506531
## 28880 0.0209312260 0.0043290043 0.024922118 0.0192307692 0.38751814
## 28883 0.0008543358 0.0004810005 0.000623053 0.0004578755 0.39651669
## 28885 0.0059803503 0.0009620010 0.007476636 0.0059523810 0.39361393
## 28886 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
```

```
## 28888 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28890 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 28891 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28892 0.0196497223 0.0072150072 0.019314642 0.0206043956 0.39187228
## 28893 0.0200768902 0.0226070226 0.000000000 0.0215201465 0.41015965
## 28894 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28896 0.0017086715 0.0000000000 0.00000000 0.0018315018 0.39651669
## 28899 0.0025630073 0.0009620010 0.002492212 0.0027472527 0.39593614
## 28901 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28902 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 28903 0.0021358394 0.0009620010 0.001869159 0.0013736264 0.39622642
## 28905 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28906 0.1337035455 0.1505531506 0.000000000 0.1433150183 0.48737300
## 28907 0.0029901751 0.0004810005 0.000623053 0.0027472527 0.39651669
## 28909 0.0034173430 0.0004810005 0.000000000 0.0032051282 0.39680697
## 28910 0.0038445109 0.0004810005 0.003115265 0.0032051282 0.39535559
## 28911 0.0008543358 0.0004810005 0.000623053 0.0000000000 0.39651669
## 28912 0.0025630073 0.0000000000 0.003738318 0.0027472527 0.39477504
## 28913 0.0025630073 0.0009620010 0.002492212 0.0018315018 0.39593614
## 28914 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28915 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 28916 0.0076890218 0.0019240019 0.001869159 0.0064102564 0.39680697
## 28917 0.0132422042 0.0057720058 0.011838006 0.0141941392 0.39448476
## 28918 0.0029901751 0.0000000000 0.004361371 0.0032051282 0.39448476
## 28920 0.0012815036 0.00000000000 0.000000000 0.0013736264 0.39651669
## 28924 0.0017086715 0.0014430014 0.000623053 0.0018315018 0.39709724
## 28926 0.0059803503 0.0000000000 0.001246106 0.0064102564 0.39593614
## 28927 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28929 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 28932 0.3122597181 0.0524290524 0.387538941 0.3095238095 0.24760522
## 28933 0.0093976933 0.0004810005 0.013084112 0.0096153846 0.39071118
## 28934 0.0021358394 0.00000000000 0.000623053 0.0018315018 0.39622642
## 28935 0.2661255874 0.2996632997 0.000000000 0.2852564103 0.57735849
## 28936 0.3062793678 0.0048100048 0.035514019 0.3012820513 0.38287373
```

```
## 28938 0.0025630073 0.0000000000 0.000000000 0.0027472527 0.39651669
## 28941 0.0017086715 0.0004810005 0.000623053 0.0013736264 0.39651669
## 28942 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 28943 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28944 0.0085433575 0.0004810005 0.001246106 0.0082417582 0.39622642
## 28945 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 28946 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28947 0.0012815036 0.0000000000 0.000000000 0.0013736264 0.39651669
## 28949 0.0017086715 0.0009620010 0.001246106 0.0018315018 0.39651669
## 28950 0.0012815036 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28951 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 28952 0.0187953866 0.0110630111 0.013084112 0.0146520147 0.39709724
## 28953 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 28954 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 28955 0.0025630073 0.0024050024 0.000623053 0.0027472527 0.39767779
## 28956 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 28958 0.0230670654 0.0259740260 0.000000000 0.0247252747 0.41219158
## 28959 0.0922682614 0.0081770082 0.062928349 0.0874542125 0.37213353
## 28960 0.0115335327 0.0129870130 0.000000000 0.0123626374 0.40435414
## 28961 0.0290474156 0.0153920154 0.022429907 0.0288461538 0.39535559
## 28962 0.0055531824 0.0009620010 0.006853583 0.0059523810 0.39390421
## 28963 0.0367364374 0.0004810005 0.003738318 0.0361721612 0.39506531
## 28964 0.0414352841 0.0009620010 0.019937695 0.0430402930 0.38780842
## 28965 0.0136693721 0.0153920154 0.000000000 0.0146520147 0.40580552
## 28966 0.0042716788 0.0004810005 0.001246106 0.0032051282 0.39622642
## 28967 0.0388722768 0.0437710438 0.000000000 0.0416666667 0.42293179
## 28968 0.0461341307 0.0110630111 0.052959502 0.0457875458 0.37851959
## 28969 0.0170867151 0.0024050024 0.021806854 0.0160256410 0.38780842
## 28970 0.0093976933 0.0105820106 0.000000000 0.0100732601 0.40290276
## 28971 0.0085433575 0.0000000000 0.009345794 0.0091575092 0.39216255
## 28972 0.0076890218 0.0000000000 0.003115265 0.0082417582 0.39506531
## 28973 0.1601879539 0.0649350649 0.149532710 0.1332417582 0.36603774
## 28974 0.0098248612 0.0014430014 0.012461059 0.0091575092 0.39158200
## 28975 0.0371636053 0.0052910053 0.047352025 0.0357142857 0.37764877
## 28976 0.0008543358 0.0000000000 0.00000000 0.0009157509 0.39651669
## 28977 0.0277659120 0.0312650313 0.000000000 0.0297619048 0.41538462
## 28978 0.0166595472 0.0187590188 0.000000000 0.0178571429 0.40783745
## 28979 0.0072618539 0.0024050024 0.007476636 0.0077838828 0.39448476
## 28980 0.0333190944 0.0057720058 0.041121495 0.0347985348 0.38084180
## 28981 0.0230670654 0.0000000000 0.001869159 0.0233516484 0.39564586
## 28982 0.0025630073 0.0009620010 0.001246106 0.0018315018 0.39651669
## 28983 0.0140965399 0.0000000000 0.020560748 0.0151098901 0.38693759
## 28984 0.0222127296 0.0024050024 0.029283489 0.0219780220 0.38432511
## 28985 0.0098248612 0.0038480038 0.009345794 0.0100732601 0.39448476
## 28986 0.0072618539 0.0000000000 0.000000000 0.0077838828 0.39651669
## 28987 0.0076890218 0.0014430014 0.009345794 0.0077838828 0.39303338
```

```
## 28988 0.0051260145 0.0057720058 0.000000000 0.0054945055 0.40000000
## 28989 0.0076890218 0.0024050024 0.008099688 0.0073260073 0.39419448
## 28990 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 28991 0.0017086715 0.0009620010 0.001246106 0.0013736264 0.39651669
## 28992 0.0038445109 0.0014430014 0.003738318 0.0041208791 0.39564586
## 28993 0.0098248612 0.0110630111 0.000000000 0.0105311355 0.40319303
## 28994 0.0422896198 0.0019240019 0.010591900 0.0412087912 0.39274311
## 28995 0.0226398975 0.0254930255 0.000000000 0.0242673993 0.41190131
## 28996 0.0269115762 0.0009620010 0.006853583 0.0270146520 0.39390421
## 28997 0.0354549338 0.0399230399 0.000000000 0.0380036630 0.42060958
## 28998 0.0290474156 0.0096200096 0.029906542 0.0306776557 0.38838897
## 28999 0.0486971380 0.0182780183 0.047352025 0.0476190476 0.38548621
## 29000 0.0136693721 0.0153920154 0.000000000 0.0146520147 0.40580552
## 29001 0.0598035028 0.0038480038 0.016822430 0.0576923077 0.39100145
## 29002 0.0538231525 0.0606060606 0.000000000 0.0576923077 0.43309144
## 29003 0.0294745835 0.0009620010 0.006230530 0.0288461538 0.39419448
## 29004 0.0670653567 0.0153920154 0.077881620 0.0700549451 0.36952104
## 29005 0.0081161897 0.0091390091 0.000000000 0.0086996337 0.40203193
## 29006 0.0516873131 0.0582010582 0.000000000 0.0554029304 0.43164006
## 29007 0.0320375908 0.0091390091 0.034890966 0.0329670330 0.38577649
## 29008 0.0422896198 0.0182780183 0.038006231 0.0416666667 0.38984035
## 29009 0.0081161897 0.0033670034 0.007476636 0.0082417582 0.39506531
## 29010 0.0657838531 0.0740740741 0.000000000 0.0705128205 0.44121916
## 29011 0.0068346860 0.0076960077 0.000000000 0.0073260073 0.40116110
## 29012 0.0093976933 0.0004810005 0.013084112 0.0096153846 0.39071118
## 29013 0.0119607006 0.0134680135 0.000000000 0.0128205128 0.40464441
## 29014 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 29015 0.0038445109 0.0009620010 0.004361371 0.0036630037 0.39506531
## 29016 0.0226398975 0.0254930255 0.000000000 0.0242673993 0.41190131
## 29017 0.0183682187 0.0000000000 0.004361371 0.0173992674 0.39448476
## 29018 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 29019 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 29020 0.0158052114 0.0072150072 0.013707165 0.0169413919 0.39448476
## 29021 0.3554036736 0.4001924002 0.000000000 0.3809523810 0.63802612
## 29022 0.0909867578 0.0019240019 0.011214953 0.0929487179 0.39245283
## 29023 0.1640324648 0.0062530063 0.023676012 0.1575091575 0.38925980
## 29024 0.0132422042 0.0149110149 0.000000000 0.0141941392 0.40551524
## 29025 0.0367364374 0.0028860029 0.009345794 0.0352564103 0.39390421
## 29026 0.2003417343 0.0110630111 0.079750779 0.1968864469 0.36603774
## 29027 0.0051260145 0.0014430014 0.005607477 0.0050366300 0.39477504
## 29028 0.0610850064 0.0687830688 0.000000000 0.0654761905 0.43802612
## 29029 0.0166595472 0.0004810005 0.006230530 0.0164835165 0.39390421
## 29030 0.0226398975 0.0091390091 0.021183801 0.0215201465 0.39216255
## 29031 0.2212729603 0.0471380471 0.261682243 0.2216117216 0.30304790
## 29032 0.0209312260 0.0235690236 0.000000000 0.0224358974 0.41074020
## 29033 0.0931225972 0.0033670034 0.016822430 0.0888278388 0.39071118
## 29034 0.0448526271 0.050505050505 0.000000000 0.0480769231 0.42699565
## 29035 0.0153780436 0.0014430014 0.001869159 0.0151098901 0.39651669
## 29036 0.1114908159 0.0019240019 0.020560748 0.1034798535 0.38809869
## 29037 0.0166595472 0.0187590188 0.000000000 0.0178571429 0.40783745
```

```
## 29038 0.1029474584 0.1159211159 0.000000000 0.1103479853 0.46647315
## 29039 0.0119607006 0.0134680135 0.000000000 0.0128205128 0.40464441
## 29040 0.0123878684 0.0043290043 0.012461059 0.0119047619 0.39332366
## 29041 0.0051260145 0.0009620010 0.005607477 0.0041208791 0.39448476
## 29042 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 29043 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 29044 0.0017086715 0.0000000000 0.002492212 0.0018315018 0.39535559
## 29047 0.0051260145 0.0057720058 0.000000000 0.0054945055 0.40000000
## 29048 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29051 0.0012815036 0.0004810005 0.001246106 0.0013736264 0.39622642
## 29055 0.0008543358 0.0004810005 0.000623053 0.0009157509 0.39651669
## 29057 0.0051260145 0.0000000000 0.003738318 0.0050366300 0.39477504
## 29059 0.0153780436 0.0173160173 0.000000000 0.0164835165 0.40696662
## 29061 0.0012815036 0.0004810005 0.001246106 0.0013736264 0.39622642
## 29062 0.0012815036 0.0000000000 0.000000000 0.0013736264 0.39651669
## 29063 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 29064 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 29066 0.0008543358 0.0004810005 0.000623053 0.0004578755 0.39651669
## 29067 0.0034173430 0.0009620010 0.003738318 0.0036630037 0.39535559
## 29068 0.0042716788 0.0000000000 0.002492212 0.0041208791 0.39535559
## 29069 0.0021358394 0.0004810005 0.001246106 0.0013736264 0.39622642
## 29070 0.0064075182 0.0004810005 0.008722741 0.0064102564 0.39274311
## 29075 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 29076 0.0008543358 0.0004810005 0.000623053 0.0009157509 0.39651669
## 29077 0.0046988466 0.0004810005 0.006230530 0.0050366300 0.39390421
## 29078 0.0008543358 0.0000000000 0.000000000 0.0009157509 0.39651669
## 29079 0.0055531824 0.0009620010 0.006853583 0.0050366300 0.39390421
## 29080 0.0025630073 0.0004810005 0.003115265 0.0027472527 0.39535559
## 29081 0.0034173430 0.0024050024 0.001869159 0.0027472527 0.39709724
## 29082 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 29083 0.0059803503 0.0009620010 0.007476636 0.0059523810 0.39361393
## 29084 0.0017086715 0.0009620010 0.000623053 0.0009157509 0.39680697
## 29085 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 29086 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
```

```
## 29088 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 29089 0.0021358394 0.0000000000 0.003115265 0.0022893773 0.39506531
## 29090 0.0072618539 0.0009620010 0.009345794 0.0077838828 0.39274311
## 29091 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 29092 0.0021358394 0.0004810005 0.001869159 0.0018315018 0.39593614
## 29093 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 29094 0.0128150363 0.0009620010 0.001246106 0.0119047619 0.39651669
## 29096 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 29097 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 29100 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 29102 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 29103 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29104 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 29106 0.0029901751 0.0000000000 0.001246106 0.0027472527 0.39593614
## 29108 0.0004271679 0.0000000000 0.00000000 0.0004578755 0.39651669
## 29110 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 29112 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 29115 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 29116 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 29117 0.0017086715 0.0004810005 0.001246106 0.0013736264 0.39622642
## 29118 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
## 29119 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 29120 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 29121 0.0029901751 0.0000000000 0.001869159 0.0022893773 0.39564586
## 29122 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
## 29124 0.0029901751 0.0009620010 0.003115265 0.0032051282 0.39564586
## 29126 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29127 0.0017086715 0.0004810005 0.001869159 0.0013736264 0.39593614
## 29128 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 29130 0.0034173430 0.0014430014 0.003115265 0.0036630037 0.39593614
## 29131 0.0034173430 0.0038480038 0.000000000 0.0036630037 0.39883890
## 29132 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 29133 0.0029901751 0.0014430014 0.002492212 0.0032051282 0.39622642
## 29135 0.0093976933 0.0014430014 0.011838006 0.0096153846 0.39187228
## 29136 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 29137 0.0140965399 0.0004810005 0.009345794 0.0141941392 0.39245283
```

```
## 29138 0.0025630073 0.0019240019 0.001246106 0.0027472527 0.39709724
## 29139 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29140 0.0046988466 0.0004810005 0.006230530 0.0050366300 0.39390421
## 29141 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 29142 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 29143 0.0051260145 0.0024050024 0.004361371 0.0050366300 0.39593614
## 29144 0.0200768902 0.0019240019 0.026791277 0.0210622711 0.38519594
## 29145 0.0072618539 0.0081770082 0.000000000 0.0077838828 0.40145138
## 29146 0.0068346860 0.00000000000 0.000000000 0.0073260073 0.39651669
## 29147 0.0128150363 0.0043290043 0.013084112 0.0123626374 0.39303338
## 29148 0.0034173430 0.0038480038 0.000000000 0.0036630037 0.39883890
## 29149 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 29150 0.0111063648 0.0062530063 0.008099688 0.0109890110 0.39651669
## 29151 0.0158052114 0.0009620010 0.021806854 0.0169413919 0.38693759
## 29152 0.0072618539 0.0033670034 0.006230530 0.0054945055 0.39564586
## 29153 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 29154 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 29155 0.0008543358 0.0004810005 0.000623053 0.0009157509 0.39651669
## 29156 0.0029901751 0.0004810005 0.000000000 0.0027472527 0.39680697
## 29157 0.0021358394 0.0009620010 0.001869159 0.0013736264 0.39622642
## 29158 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 29159 0.0008543358 0.0000000000 0.000623053 0.0009157509 0.39622642
## 29160 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 29161 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 29162 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 29163 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29164 0.0004271679 0.0004810005 0.000000000 0.0000000000 0.39680697
## 29165 0.0029901751 0.0024050024 0.001246106 0.0032051282 0.39738752
## 29166 0.0059803503 0.0009620010 0.007476636 0.0064102564 0.39361393
## 29168 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 29169 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
## 29170 0.0089705254 0.0004810005 0.001246106 0.0086996337 0.39622642
## 29172 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 29173 0.0277659120 0.0115440115 0.025545171 0.0265567766 0.39158200
## 29174 0.0247757369 0.0004810005 0.004984424 0.0233516484 0.39448476
## 29175 0.0055531824 0.0000000000 0.002492212 0.0059523810 0.39535559
## 29176 0.0123878684 0.0014430014 0.016199377 0.0132783883 0.38984035
## 29177 0.0046988466 0.0000000000 0.000000000 0.0050366300 0.39651669
## 29178 0.0068346860 0.0076960077 0.000000000 0.0073260073 0.40116110
## 29179 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 29180 0.0034173430 0.0019240019 0.002492212 0.0032051282 0.39651669
## 29181 0.0017086715 0.0004810005 0.001869159 0.0018315018 0.39593614
## 29182 0.0034173430 0.0014430014 0.001246106 0.0013736264 0.39680697
## 29183 0.0337462623 0.0081770082 0.038629283 0.0338827839 0.38345428
## 29184 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 29185 0.0051260145 0.00000000000 0.001869159 0.0054945055 0.39564586
## 29186 0.0059803503 0.0000000000 0.008722741 0.0064102564 0.39245283
## 29187 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
```

```
## 29188 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 29189 0.0017086715 0.0004810005 0.000000000 0.0013736264 0.39680697
## 29190 0.0021358394 0.0004810005 0.002492212 0.0018315018 0.39564586
## 29191 0.0081161897 0.00000000000 0.000623053 0.0086996337 0.39622642
## 29192 0.0081161897 0.0000000000 0.000623053 0.0086996337 0.39622642
## 29193 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 29194 0.0021358394 0.0014430014 0.001246106 0.0022893773 0.39680697
## 29195 0.0012815036 0.0004810005 0.000000000 0.0009157509 0.39680697
## 29196 0.0042716788 0.0000000000 0.00000000 0.0045787546 0.39651669
## 29197 0.0017086715 0.0000000000 0.002492212 0.0018315018 0.39535559
## 29198 0.0021358394 0.0000000000 0.000000000 0.0022893773 0.39651669
## 29199 0.0025630073 0.00000000000 0.000000000 0.0027472527 0.39651669
## 29200 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 29201 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 29202 0.0093976933 0.0014430014 0.011838006 0.0100732601 0.39187228
## 29203 0.0098248612 0.0004810005 0.013707165 0.0105311355 0.39042090
## 29204 0.0046988466 0.0000000000 0.000000000 0.0050366300 0.39651669
## 29205 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 29206 0.0064075182 0.0000000000 0.002492212 0.0068681319 0.39535559
## 29207 0.0008543358 0.0000000000 0.00000000 0.0009157509 0.39651669
## 29208 0.0025630073 0.0009620010 0.000623053 0.0018315018 0.39680697
## 29209 0.0068346860 0.0076960077 0.000000000 0.0073260073 0.40116110
## 29210 0.0089705254 0.0000000000 0.003115265 0.0086996337 0.39506531
## 29211 0.0008543358 0.0004810005 0.000623053 0.0009157509 0.39651669
## 29212 0.0034173430 0.0000000000 0.000000000 0.0036630037 0.39651669
## 29213 0.0034173430 0.0000000000 0.000000000 0.0036630037 0.39651669
## 29214 0.0034173430 0.0033670034 0.000623053 0.0036630037 0.39825835
## 29215 0.0106791969 0.00000000000 0.000623053 0.0109890110 0.39622642
## 29216 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
## 29217 0.0051260145 0.0000000000 0.001246106 0.0054945055 0.39593614
## 29218 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 29219 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 29220 0.0064075182 0.0000000000 0.000623053 0.0064102564 0.39622642
## 29221 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 29222 0.0115335327 0.0129870130 0.000000000 0.0123626374 0.40435414
## 29223 0.0068346860 0.0076960077 0.000000000 0.0073260073 0.40116110
## 29224 0.0034173430 0.0038480038 0.000000000 0.0036630037 0.39883890
## 29225 0.0038445109 0.0000000000 0.005607477 0.0041208791 0.39390421
## 29226 0.0072618539 0.0004810005 0.009968847 0.0077838828 0.39216255
## 29227 0.0029901751 0.0004810005 0.001246106 0.0022893773 0.39622642
## 29228 0.0008543358 0.0000000000 0.000000000 0.0009157509 0.39651669
## 29229 0.0055531824 0.0033670034 0.003738318 0.0059523810 0.39680697
## 29230 0.0072618539 0.0000000000 0.001246106 0.0073260073 0.39593614
## 29231 0.0012815036 0.0000000000 0.000623053 0.0009157509 0.39622642
## 29232 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29233 0.0034173430 0.0000000000 0.000000000 0.0036630037 0.39651669
## 29235 0.0021358394 0.0024050024 0.0000000000 0.0000000000 0.39796807
## 29236 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 29237 0.0111063648 0.0009620010 0.014953271 0.0119047619 0.39013062
```

```
## 29238 0.0042716788 0.0000000000 0.000623053 0.0045787546 0.39622642
## 29239 0.0093976933 0.0019240019 0.011214953 0.0100732601 0.39245283
## 29240 0.0243485690 0.0019240019 0.033021807 0.0242673993 0.38229318
## 29241 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 29243 0.0093976933 0.00000000000 0.001869159 0.0091575092 0.39564586
## 29244 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 29245 0.0196497223 0.0024050024 0.025545171 0.0206043956 0.38606676
## 29246 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 29247 0.0234942332 0.0000000000 0.006853583 0.0238095238 0.39332366
## 29248 0.0038445109 0.0004810005 0.004984424 0.0036630037 0.39448476
## 29249 0.0102520290 0.0004810005 0.002492212 0.0091575092 0.39564586
## 29250 0.0179410508 0.0004810005 0.003115265 0.0183150183 0.39535559
## 29251 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 29252 0.0183682187 0.0139490139 0.008722741 0.0196886447 0.40087083
## 29253 0.0021358394 0.0004810005 0.002492212 0.0018315018 0.39564586
## 29254 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
## 29255 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 29256 0.0132422042 0.0149110149 0.000000000 0.0141941392 0.40551524
## 29257 0.0042716788 0.0009620010 0.004984424 0.0045787546 0.39477504
## 29258 0.0025630073 0.0000000000 0.00000000 0.0027472527 0.39651669
## 29259 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 29260 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 29261 0.0021358394 0.0000000000 0.003115265 0.0022893773 0.39506531
## 29262 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
## 29263 0.0021358394 0.0000000000 0.003115265 0.0022893773 0.39506531
## 29264 0.0119607006 0.0043290043 0.011838006 0.0123626374 0.39361393
## 29265 0.0115335327 0.0004810005 0.001246106 0.0114468864 0.39622642
## 29266 0.0025630073 0.0004810005 0.001246106 0.0022893773 0.39622642
## 29267 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 29268 0.0179410508 0.0004810005 0.004361371 0.0183150183 0.39477504
## 29269 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 29270 0.1379752243 0.0024050024 0.016822430 0.1419413919 0.39013062
## 29271 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 29272 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 29273 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 29274 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 29275 0.0200768902 0.00000000000 0.001869159 0.0215201465 0.39564586
## 29276 0.0153780436 0.0173160173 0.000000000 0.0164835165 0.40696662
## 29277 0.0106791969 0.0000000000 0.001246106 0.0105311355 0.39593614
## 29278 0.0038445109 0.0043290043 0.000000000 0.0041208791 0.39912917
## 29279 0.0085433575 0.0009620010 0.011214953 0.0091575092 0.39187228
## 29280 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 29281 0.0166595472 0.0014430014 0.022429907 0.0164835165 0.38693759
## 29282 0.0085433575 0.0014430014 0.003115265 0.0077838828 0.39593614
## 29283 0.0136693721 0.0153920154 0.000000000 0.0146520147 0.40580552
## 29284 0.0187953866 0.0028860029 0.011838006 0.0173992674 0.39274311
## 29285 0.0089705254 0.0024050024 0.009968847 0.0086996337 0.39332366
## 29286 0.0217855617 0.0000000000 0.005607477 0.0228937729 0.39390421
## 29287 0.0209312260 0.0235690236 0.000000000 0.0224358974 0.41074020
```

```
## 29288 0.0068346860 0.0000000000 0.001869159 0.0073260073 0.39564586
## 29289 0.0111063648 0.0028860029 0.012461059 0.0119047619 0.39245283
## 29290 0.0059803503 0.0004810005 0.000623053 0.0054945055 0.39651669
## 29291 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 29292 0.0042716788 0.0000000000 0.003738318 0.0036630037 0.39477504
## 29293 0.0081161897 0.0004810005 0.000000000 0.0082417582 0.39680697
## 29294 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 29295 0.0277659120 0.0312650313 0.000000000 0.0297619048 0.41538462
## 29296 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29297 0.0076890218 0.0000000000 0.011214953 0.0082417582 0.39129173
## 29298 0.0324647587 0.0009620010 0.003738318 0.0311355311 0.39535559
## 29299 0.0260572405 0.0293410293 0.000000000 0.0279304029 0.41422351
## 29300 0.0269115762 0.0024050024 0.036137072 0.0279304029 0.38113208
## 29301 0.0281930799 0.0317460317 0.000000000 0.0302197802 0.41567489
## 29302 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
## 29303 0.1542076036 0.0086580087 0.213707165 0.1588827839 0.30217707
## 29304 0.0217855617 0.0245310245 0.000000000 0.0233516484 0.41132075
## 29305 0.0059803503 0.0019240019 0.006230530 0.0064102564 0.39477504
## 29306 0.0089705254 0.0101010101 0.000000000 0.0096153846 0.40261248
## 29307 0.0217855617 0.0009620010 0.013707165 0.0219780220 0.39071118
## 29308 0.0145237078 0.0163540164 0.000000000 0.0155677656 0.40638607
## 29309 0.0034173430 0.0019240019 0.002492212 0.0032051282 0.39651669
## 29310 0.0089705254 0.0048100048 0.006853583 0.0086996337 0.39622642
## 29311 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 29312 0.0081161897 0.0000000000 0.003115265 0.0086996337 0.39506531
## 29313 0.0239214011 0.0043290043 0.029283489 0.0251831502 0.38548621
## 29314 0.0119607006 0.0014430014 0.015576324 0.0128205128 0.39013062
## 29315 0.0059803503 0.0014430014 0.006853583 0.0064102564 0.39419448
## 29316 0.0051260145 0.0009620010 0.006230530 0.0054945055 0.39419448
## 29317 0.0081161897 0.0009620010 0.010591900 0.0086996337 0.39216255
## 29318 0.0269115762 0.0105820106 0.025545171 0.0283882784 0.39100145
## 29319 0.0076890218 0.0004810005 0.007476636 0.0077838828 0.39332366
## 29320 0.0017086715 0.0009620010 0.001246106 0.0018315018 0.39651669
## 29321 0.0059803503 0.0004810005 0.001869159 0.0059523810 0.39593614
## 29322 0.0089705254 0.0101010101 0.000000000 0.0096153846 0.40261248
## 29323 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
## 29324 0.0093976933 0.0019240019 0.011214953 0.0086996337 0.39245283
## 29325 0.0111063648 0.0072150072 0.006853583 0.0119047619 0.39767779
## 29326 0.0273387441 0.0096200096 0.027414330 0.0247252747 0.38955007
## 29327 0.0380179411 0.0120250120 0.039875389 0.0370879121 0.38519594
## 29328 0.0149508757 0.0072150072 0.012461059 0.0137362637 0.39506531
## 29329 0.0474156343 0.0038480038 0.064174455 0.0480769231 0.36894049
## 29330 0.0179410508 0.0004810005 0.002492212 0.0169413919 0.39564586
## 29331 0.1161896625 0.0009620010 0.039252336 0.1163003663 0.37880987
## 29332 0.0089705254 0.0004810005 0.002492212 0.0091575092 0.39564586
## 29333 0.0119607006 0.0062530063 0.009345794 0.0123626374 0.39593614
## 29334 0.0085433575 0.0096200096 0.000000000 0.0091575092 0.40232221
## 29335 0.0294745835 0.0105820106 0.029283489 0.0311355311 0.38925980
## 29336 0.0111063648 0.0125060125 0.000000000 0.0119047619 0.40406386
## 29337 0.0068346860 0.0048100048 0.003738318 0.0068681319 0.39767779
```

```
## 29338 0.0042716788 0.0004810005 0.003115265 0.0041208791 0.39535559
## 29339 0.0879965827 0.0009620010 0.028660436 0.0883699634 0.38374456
## 29340 0.0525416489 0.0081770082 0.066043614 0.0540293040 0.37068215
## 29341 0.0136693721 0.0153920154 0.000000000 0.0146520147 0.40580552
## 29342 0.0384451089 0.0110630111 0.041744548 0.0393772894 0.38374456
## 29343 0.0072618539 0.0009620010 0.000623053 0.0064102564 0.39680697
## 29344 0.0149508757 0.0168350168 0.000000000 0.0160256410 0.40667634
## 29345 0.0021358394 0.0009620010 0.001869159 0.0022893773 0.39622642
## 29346 0.0234942332 0.0101010101 0.021183801 0.0251831502 0.39274311
## 29347 0.0029901751 0.0000000000 0.001869159 0.0032051282 0.39564586
## 29348 0.0076890218 0.0086580087 0.000000000 0.0082417582 0.40174165
## 29349 0.0158052114 0.0177970178 0.000000000 0.0169413919 0.40725689
## 29350 0.0200768902 0.0052910053 0.022429907 0.0201465201 0.38925980
## 29351 0.0046988466 0.0000000000 0.000000000 0.0050366300 0.39651669
## 29352 0.0085433575 0.0096200096 0.000000000 0.0091575092 0.40232221
## 29353 0.0158052114 0.0009620010 0.021806854 0.0160256410 0.38693759
## 29354 0.0093976933 0.0004810005 0.013084112 0.0096153846 0.39071118
## 29355 0.0132422042 0.0014430014 0.005607477 0.0119047619 0.39477504
## 29356 0.0568133276 0.0048100048 0.076635514 0.0581501832 0.36371553
## 29357 0.0230670654 0.0000000000 0.006853583 0.0233516484 0.39332366
## 29358 0.0230670654 0.0259740260 0.000000000 0.0247252747 0.41219158
## 29359 0.0162323793 0.0182780183 0.000000000 0.0173992674 0.40754717
## 29360 0.0222127296 0.0250120250 0.000000000 0.0238095238 0.41161103
## 29361 0.0439982913 0.0038480038 0.059190031 0.0448717949 0.37126270
## 29362 0.0260572405 0.0293410293 0.000000000 0.0279304029 0.41422351
## 29363 0.0055531824 0.0000000000 0.003115265 0.0045787546 0.39506531
## 29364 0.0239214011 0.0096200096 0.022429907 0.0247252747 0.39187228
## 29365 0.0140965399 0.0014430014 0.008722741 0.0128205128 0.39332366
## 29366 0.0217855617 0.0245310245 0.000000000 0.0233516484 0.41132075
## 29367 0.0277659120 0.0312650313 0.000000000 0.0297619048 0.41538462
## 29368 0.0166595472 0.0187590188 0.000000000 0.0178571429 0.40783745
## 29369 0.0106791969 0.0048100048 0.009345794 0.0100732601 0.39506531
## 29370 0.0222127296 0.0250120250 0.000000000 0.0238095238 0.41161103
## 29371 0.0226398975 0.0254930255 0.000000000 0.0242673993 0.41190131
## 29372 0.0051260145 0.0009620010 0.002492212 0.0045787546 0.39593614
## 29373 0.0055531824 0.0009620010 0.006853583 0.0054945055 0.39390421
## 29374 0.0260572405 0.0293410293 0.000000000 0.0279304029 0.41422351
## 29375 0.0333190944 0.0009620010 0.005607477 0.0347985348 0.39448476
## 29376 0.0508329774 0.0057720058 0.0666666667 0.0499084249 0.36894049
## 29377 0.0320375908 0.0360750361 0.000000000 0.0343406593 0.41828737
## 29378 0.0337462623 0.0038480038 0.044236760 0.0347985348 0.37822932
## 29379 0.0081161897 0.0091390091 0.000000000 0.0086996337 0.40203193
## 29380 0.0375907732 0.0139490139 0.036760125 0.0375457875 0.38780842
## 29381 0.0140965399 0.0158730159 0.000000000 0.0151098901 0.40609579
## 29382 0.0196497223 0.0052910053 0.009345794 0.0160256410 0.39535559
## 29383 0.0175138830 0.0024050024 0.003115265 0.0146520147 0.39651669
## 29384 0.0170867151 0.0004810005 0.003738318 0.0164835165 0.39506531
## 29385 0.1375480564 0.1548821549 0.000000000 0.1474358974 0.48998549
## 29386 0.0068346860 0.0076960077 0.000000000 0.0073260073 0.40116110
## 29387 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
```

```
## 29388 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 29389 0.1674498078 0.1885521886 0.000000000 0.1794871795 0.51030479
## 29390 0.6616830414 0.1659451659 0.750155763 0.6309523810 0.14716981
## 29391 0.3280649295 0.3694083694 0.000000000 0.3516483516 0.61944848
## 29392 0.0606578385 0.0683020683 0.000000000 0.0650183150 0.43773585
## 29393 0.1093549765 0.1231361231 0.000000000 0.1172161172 0.47082729
## 29394 0.0687740282 0.0774410774 0.000000000 0.0737179487 0.44325109
## 29395 0.1631781290 0.0163540164 0.031775701 0.1428571429 0.39158200
## 29396 0.0307560871 0.0038480038 0.039875389 0.0311355311 0.38026125
## 29397 0.3472874840 0.0442520443 0.449221184 0.3301282051 0.21393324
## 29398 0.0192225545 0.0216450216 0.000000000 0.0206043956 0.40957910
## 29399 0.1354122170 0.1524771525 0.000000000 0.1451465201 0.48853411
## 29400 0.0495514737 0.0557960558 0.000000000 0.0531135531 0.43018868
## 29401 0.0042716788 0.0000000000 0.001869159 0.0041208791 0.39564586
## 29402 0.0717642033 0.0808080808 0.000000000 0.0769230769 0.44528302
## 29403 0.0452797950 0.0033670034 0.061682243 0.0462454212 0.36981132
## 29404 0.0004271679 0.0000000000 0.000000000 0.0004578755 0.39651669
## 29405 0.0017086715 0.0004810005 0.001246106 0.0004578755 0.39622642
## 29406 0.0324647587 0.0091390091 0.035514019 0.0329670330 0.38548621
## 29407 0.1571977787 0.1770081770 0.000000000 0.1684981685 0.50333817
## 29408 0.0491243059 0.0067340067 0.062928349 0.0467032967 0.37126270
## 29410 0.0085433575 0.0096200096 0.000000000 0.0091575092 0.40232221
## 29411 0.0042716788 0.0009620010 0.002492212 0.0032051282 0.39593614
## 29412 0.0563861598 0.0101010101 0.069158879 0.0572344322 0.37039187
## 29413 0.0209312260 0.0235690236 0.000000000 0.0224358974 0.41074020
## 29414 0.0004271679 0.0004810005 0.000000000 0.0004578755 0.39680697
## 29415 0.0008543358 0.0000000000 0.000623053 0.0004578755 0.39622642
## 29416 0.0012815036 0.0000000000 0.001869159 0.0013736264 0.39564586
## 29417 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 29419 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 29420 0.0239214011 0.0009620010 0.015576324 0.0242673993 0.38984035
## 29421 0.0721913712 0.0009620010 0.011838006 0.0705128205 0.39158200
## 29423 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 29424 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 29425 0.0217855617 0.0076960077 0.021806854 0.0206043956 0.39100145
## 29426 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
## 29427 0.0504058095 0.0490620491 0.009968847 0.0531135531 0.42148041
## 29428 0.0341734302 0.0000000000 0.005607477 0.0338827839 0.39390421
## 29429 0.0025630073 0.0004810005 0.000623053 0.0018315018 0.39651669
## 29430 0.0465612986 0.0038480038 0.006853583 0.0430402930 0.39564586
## 29431 0.0042716788 0.0000000000 0.006230530 0.0045787546 0.39361393
## 29432 0.0645023494 0.0726310726 0.000000000 0.0691391941 0.44034833
## 29433 0.0008543358 0.00000000000 0.000000000 0.0009157509 0.39651669
## 29434 0.0021358394 0.00000000000 0.003115265 0.0022893773 0.39506531
## 29435 0.0102520290 0.0014430014 0.002492212 0.0091575092 0.39622642
## 29436 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29437 0.0017086715 0.0019240019 0.000000000 0.0018315018 0.39767779
```

```
## 29438 0.0093976933 0.0009620010 0.003115265 0.0077838828 0.39564586
## 29439 0.1055104656 0.1188071188 0.000000000 0.1130952381 0.46821480
## 29440 0.0499786416 0.0562770563 0.000000000 0.0535714286 0.43047896
## 29441 0.0008543358 0.0004810005 0.000623053 0.0004578755 0.39651669
## 29442 0.0012815036 0.0004810005 0.001246106 0.0013736264 0.39622642
## 29443 0.0021358394 0.00000000000 0.001869159 0.0009157509 0.39564586
## 29444 0.0192225545 0.0216450216 0.000000000 0.0206043956 0.40957910
## 29445 0.0008543358 0.0000000000 0.001246106 0.0009157509 0.39593614
## 29447 0.0025630073 0.0000000000 0.000623053 0.0027472527 0.39622642
## 29448 0.0572404955 0.0644540645 0.000000000 0.0613553114 0.43541364
## 29449 0.0038445109 0.0009620010 0.001869159 0.0032051282 0.39622642
## 29450 0.0213583938 0.0163540164 0.009968847 0.0224358974 0.40174165
## 29451 0.0055531824 0.0019240019 0.005607477 0.0059523810 0.39506531
## 29452 0.1542076036 0.0096200096 0.029906542 0.1341575092 0.38838897
## 29453 0.0256300726 0.0014430014 0.005607477 0.0242673993 0.39477504
## 29454 0.0076890218 0.0014430014 0.009345794 0.0073260073 0.39303338
## 29455 0.0217855617 0.0245310245 0.000000000 0.0233516484 0.41132075
## 29456 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29457 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 29458 0.0064075182 0.0004810005 0.002492212 0.0054945055 0.39564586
## 29459 0.0098248612 0.0043290043 0.008722741 0.0100732601 0.39506531
## 29460 0.0072618539 0.0000000000 0.000623053 0.0073260073 0.39622642
## 29461 0.0264844084 0.0067340067 0.029906542 0.0224358974 0.38664731
## 29464 0.0008543358 0.0000000000 0.00000000 0.0009157509 0.39651669
## 29478 0.0017086715 0.0000000000 0.001869159 0.0004578755 0.39564586
## 29480 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29482 0.0008543358 0.0009620010 0.000000000 0.0009157509 0.39709724
## 29487 0.0017086715 0.0009620010 0.001246106 0.0009157509 0.39651669
```

```
## 29491 0.0004271679 0.0000000000 0.000623053 0.0004578755 0.39622642
## 29494 0.0128150363 0.0144300144 0.000000000 0.0137362637 0.40522496
## 29495 0.2063220846 0.0004810005 0.025545171 0.2133699634 0.38490566
## 29496 0.1140538232 0.0086580087 0.155140187 0.1167582418 0.32946299
## 29497 0.0380179411 0.0428090428 0.000000000 0.0407509158 0.42235123
## 29498 0.0837249039 0.0000000000 0.004361371 0.0888278388 0.39448476
## 29499 0.0128150363 0.0144300144 0.000000000 0.0137362637 0.40522496
## 29500 0.0901324220 0.0009620010 0.019937695 0.0924908425 0.38780842
## 29501 0.0670653567 0.0755170755 0.000000000 0.0718864469 0.44208999
## 29502 0.0627936779 0.0707070707 0.0000000000 0.0673076923 0.43918723
## 29503 0.0602306707 0.0351130351 0.042367601 0.0622710623 0.39796807
## 29504 0.1114908159 0.0019240019 0.160124611 0.1195054945 0.32307692
## 29505 0.1772746689 0.1303511304 0.089719626 0.1886446886 0.43338171
## 29506 0.0038445109 0.0000000000 0.003738318 0.0041208791 0.39477504
## 29507 0.0375907732 0.0423280423 0.000000000 0.0402930403 0.42206096
## 29508 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 29509 0.0179410508 0.0202020202 0.000000000 0.0192307692 0.40870827
## 29510 0.0243485690 0.0009620010 0.034267913 0.0260989011 0.38113208
## 29511 0.0111063648 0.0043290043 0.010591900 0.0119047619 0.39419448
## 29512 0.0153780436 0.0019240019 0.019937695 0.0160256410 0.38838897
## 29513 0.0192225545 0.0004810005 0.019937695 0.0201465201 0.38751814
## 29514 0.0572404955 0.0644540645 0.000000000 0.0613553114 0.43541364
## 29515 0.0209312260 0.0009620010 0.004361371 0.0215201465 0.39506531
## 29516 0.0093976933 0.0105820106 0.000000000 0.0100732601 0.40290276
## 29517 0.1589064502 0.1789321789 0.000000000 0.1703296703 0.50449927
## 29518 0.0089705254 0.0101010101 0.000000000 0.0096153846 0.40261248
## 29519 0.1106364801 0.0033670034 0.157009346 0.1163003663 0.32539913
## 29520 0.2879111491 0.0062530063 0.130218069 0.2971611722 0.33962264
## 29521 0.1747116617 0.0942760943 0.132710280 0.1840659341 0.39158200
## 29522 0.1170439983 0.0014430014 0.029906542 0.1163003663 0.38345428
## 29523 0.0739000427 0.0004810005 0.006853583 0.0764652015 0.39361393
## 29524 0.0431439556 0.0485810486 0.000000000 0.0462454212 0.42583454
## 29525 0.2998718496 0.1827801828 0.200623053 0.3182234432 0.41335269
## 29526 0.0260572405 0.0293410293 0.000000000 0.0279304029 0.41422351
## 29527 0.0055531824 0.0062530063 0.000000000 0.0059523810 0.40029028
## 29528 0.0346005980 0.0389610390 0.000000000 0.0370879121 0.42002903
## 29529 0.0303289193 0.0341510342 0.000000000 0.0325091575 0.41712627
## 29530 0.0273387441 0.0307840308 0.000000000 0.0293040293 0.41509434
## 29531 0.0059803503 0.0000000000 0.001869159 0.0064102564 0.39564586
## 29532 0.1050832977 0.0000000000 0.006230530 0.1117216117 0.39361393
## 29533 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 29534 0.0380179411 0.0009620010 0.026168224 0.0398351648 0.38490566
## 29535 0.0205040581 0.0019240019 0.027414330 0.0210622711 0.38490566
## 29536 0.0879965827 0.0389610390 0.077881620 0.0943223443 0.38374456
## 29537 0.0106791969 0.0000000000 0.003738318 0.0114468864 0.39477504
```

```
## 29538 0.0136693721 0.0000000000 0.001246106 0.0141941392 0.39593614
## 29539 0.0798803930 0.0019240019 0.049221184 0.0837912088 0.37474601
## 29540 0.0183682187 0.0206830207 0.000000000 0.0196886447 0.40899855
## 29541 0.1452370782 0.1635401635 0.000000000 0.1556776557 0.49521045
## 29542 0.0205040581 0.0048100048 0.023676012 0.0215201465 0.38838897
## 29543 0.1196070056 0.0004810005 0.008099688 0.1263736264 0.39303338
## 29544 0.0149508757 0.0009620010 0.020560748 0.0155677656 0.38751814
## 29545 0.0593763349 0.0668590669 0.000000000 0.0636446886 0.43686502
## 29546 0.0136693721 0.0000000000 0.001869159 0.0137362637 0.39564586
## 29547 0.0422896198 0.0004810005 0.003115265 0.0430402930 0.39535559
## 29548 0.0029901751 0.0004810005 0.000623053 0.0027472527 0.39651669
## 29549 0.0256300726 0.0288600289 0.000000000 0.0274725275 0.41393324
## 29550 0.0222127296 0.0250120250 0.000000000 0.0238095238 0.41161103
## 29551 0.0469884665 0.0529100529 0.000000000 0.0503663004 0.42844702
## 29552 0.0217855617 0.0245310245 0.000000000 0.0233516484 0.41132075
## 29553 0.0623665100 0.00000000000 0.001869159 0.0663919414 0.39564586
## 29554 0.0192225545 0.0216450216 0.000000000 0.0206043956 0.40957910
## 29555 0.0230670654 0.0259740260 0.000000000 0.0247252747 0.41219158
## 29556 0.0589491670 0.0000000000 0.005607477 0.0622710623 0.39390421
## 29557 0.0559589919 0.0033670034 0.077258567 0.0586080586 0.36255443
## 29558 0.0781717215 0.0880230880 0.000000000 0.0837912088 0.44963716
## 29559 0.0486971380 0.0548340548 0.000000000 0.0521978022 0.42960813
## 29560 0.0328919265 0.0004810005 0.011838006 0.0315934066 0.39129173
## 29561 0.1110636480 0.0014430014 0.160124611 0.1185897436 0.32278665
## 29562 0.2469030329 0.2780182780 0.000000000 0.2646520147 0.56429608
## 29563 0.0679196924 0.0000000000 0.008722741 0.0723443223 0.39245283
## 29564 0.0252029047 0.0009620010 0.001246106 0.0256410256 0.39651669
## 29565 0.0123878684 0.0004810005 0.000623053 0.0123626374 0.39651669
## 29566 0.0743272106 0.0048100048 0.102180685 0.0787545788 0.35181422
## 29567 0.0064075182 0.0004810005 0.002492212 0.0059523810 0.39564586
## 29568 0.1131994874 0.1274651275 0.000000000 0.1213369963 0.47343977
## 29569 0.0281930799 0.0317460317 0.000000000 0.0302197802 0.41567489
## 29570 0.0965399402 0.0000000000 0.004984424 0.1011904762 0.39419448
## 29571 0.0700555318 0.0110630111 0.087850467 0.0700549451 0.36226415
## 29572 0.0140965399 0.0019240019 0.011838006 0.0132783883 0.39216255
## 29573 0.1460914139 0.0110630111 0.198753894 0.1561355311 0.31059507
## 29574 0.0798803930 0.0899470899 0.000000000 0.0856227106 0.45079826
## 29575 0.1554891072 0.0081770082 0.216199377 0.1657509158 0.30072569
## 29576 0.0696283639 0.0784030784 0.000000000 0.0746336996 0.44383164
## 29577 0.0559589919 0.0000000000 0.004984424 0.0581501832 0.39419448
## 29578 0.0555318240 0.0303030303 0.041744548 0.0595238095 0.39535559
## 29579 0.0435711235 0.0004810005 0.013084112 0.0425824176 0.39071118
## 29580 0.0128150363 0.0028860029 0.014953271 0.0128205128 0.39129173
## 29581 0.0623665100 0.0702260702 0.000000000 0.0668498168 0.43889695
## 29582 0.1149081589 0.0317460317 0.126479751 0.1217948718 0.35674891
## 29583 0.0200768902 0.0226070226 0.000000000 0.0215201465 0.41015965
## 29584 0.0388722768 0.0033670034 0.052336449 0.0398351648 0.37416546
## 29585 0.0551046561 0.0000000000 0.047352025 0.0586080586 0.37445573
## 29586 0.1106364801 0.0000000000 0.004984424 0.1158424908 0.39419448
## 29587 0.1025202905 0.0000000000 0.008099688 0.1071428571 0.39274311
```

```
## 29588 0.0363092695 0.0091390091 0.041121495 0.0380036630 0.38287373
## 29589 0.0119607006 0.0000000000 0.009345794 0.0119047619 0.39216255
## 29590 0.0721913712 0.0509860510 0.039252336 0.0773809524 0.40899855
## 29591 0.1102093123 0.0115440115 0.145794393 0.1108058608 0.33555878
## 29592 0.0042716788 0.0000000000 0.006230530 0.0045787546 0.39361393
## 29593 0.0093976933 0.0004810005 0.005607477 0.0096153846 0.39419448
## 29594 0.0627936779 0.0048100048 0.085358255 0.0650183150 0.35965167
## 29595 0.2618539086 0.0009620010 0.019937695 0.2692307692 0.38780842
## 29596 0.0687740282 0.0038480038 0.052959502 0.0695970696 0.37416546
## 29597 0.0649295173 0.0230880231 0.064797508 0.0686813187 0.38026125
## 29598 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
## 29599 0.0136693721 0.0153920154 0.000000000 0.0146520147 0.40580552
## 29600 0.0111063648 0.0004810005 0.008722741 0.0105311355 0.39274311
## 29601 0.0269115762 0.0019240019 0.008099688 0.0238095238 0.39390421
## 29602 0.0093976933 0.0014430014 0.011838006 0.0096153846 0.39187228
## 29603 0.0375907732 0.0423280423 0.000000000 0.0402930403 0.42206096
## 29604 0.0017086715 0.0000000000 0.002492212 0.0018315018 0.39535559
## 29605 0.0670653567 0.0755170755 0.000000000 0.0718864469 0.44208999
## 29606 0.0508329774 0.0038480038 0.069158879 0.0512820513 0.36661829
## 29607 0.0717642033 0.0000000000 0.001869159 0.0760073260 0.39564586
## 29608 0.0307560871 0.0346320346 0.000000000 0.0329670330 0.41741655
## 29609 0.0260572405 0.0009620010 0.005607477 0.0251831502 0.39448476
## 29610 0.0123878684 0.0139490139 0.000000000 0.0132783883 0.40493469
## 29611 0.0717642033 0.0808080808 0.000000000 0.0769230769 0.44528302
## 29612 0.0666381888 0.0048100048 0.090965732 0.0677655678 0.35703919
## 29613 0.0072618539 0.0033670034 0.006230530 0.0077838828 0.39564586
## 29614 0.0333190944 0.0375180375 0.000000000 0.0357142857 0.41915820
## 29615 0.0794532251 0.0028860029 0.112149533 0.0842490842 0.34600871
## 29616 0.1627509611 0.0072150072 0.228037383 0.1675824176 0.29462990
## 29617 0.0418624519 0.0072150072 0.051713396 0.0439560440 0.37677794
## 29618 0.0901324220 0.0000000000 0.003738318 0.0961538462 0.39477504
## 29619 0.2844938061 0.0014430014 0.018691589 0.29166666667 0.38867925
## 29620 0.1161896625 0.0447330447 0.111526480 0.1222527473 0.37155298
## 29621 0.1230243486 0.0658970659 0.094080997 0.1282051282 0.39245283
## 29622 0.0294745835 0.0004810005 0.004361371 0.0297619048 0.39477504
## 29623 0.1648868005 0.1856661857 0.000000000 0.1767399267 0.50856313
## 29624 0.0572404955 0.0048100048 0.077258567 0.0572344322 0.36342525
## 29625 0.0046988466 0.0024050024 0.003738318 0.0050366300 0.39622642
## 29626 0.0730457070 0.0822510823 0.000000000 0.0782967033 0.44615385
## 29627 0.0089705254 0.0086580087 0.001869159 0.0086996337 0.40087083
## 29628 0.0995301153 0.1120731121 0.000000000 0.1066849817 0.46415094
## 29629 0.0807347287 0.0062530063 0.109657321 0.0805860806 0.34920174
## 29630 0.0187953866 0.0062530063 0.019314642 0.0160256410 0.39129173
## 29631 0.0542503204 0.0019240019 0.076635514 0.0576923077 0.36197388
## 29632 0.0751815463 0.0000000000 0.001869159 0.0792124542 0.39564586
## 29633 0.0034173430 0.0038480038 0.000000000 0.0036630037 0.39883890
## 29635 0.0931225972 0.1048581049 0.000000000 0.0998168498 0.45979681
## 29636 0.0730457070 0.0822510823 0.000000000 0.0782967033 0.44615385
## 29637 0.1012387868 0.0000000000 0.004984424 0.1048534799 0.39419448
```

```
## 29638 0.1012387868 0.0274170274 0.112149533 0.1066849817 0.36081277
## 29639 0.0051260145 0.0000000000 0.000000000 0.0054945055 0.39651669
## 29640 0.0055531824 0.0014430014 0.006230530 0.0050366300 0.39448476
## 29642 0.1785561726 0.0187590188 0.236137072 0.1817765568 0.29782293
## 29643 0.0674925246 0.0298220298 0.059813084 0.0682234432 0.38664731
## 29644 0.0222127296 0.0024050024 0.029283489 0.0224358974 0.38432511
## 29645 0.0794532251 0.0894660895 0.000000000 0.0851648352 0.45050798
## 29646 0.1046561299 0.1178451178 0.000000000 0.1121794872 0.46763425
## 29647 0.0140965399 0.0158730159 0.000000000 0.0151098901 0.40609579
## 29648 0.0145237078 0.0163540164 0.000000000 0.0155677656 0.40638607
## 29649 0.2263989748 0.0067340067 0.321495327 0.2362637363 0.25079826
## 29650 0.0264844084 0.0048100048 0.032398754 0.0260989011 0.38432511
## 29651 0.0935497651 0.0019240019 0.082866044 0.0966117216 0.35907112
## 29652 0.0115335327 0.0129870130 0.000000000 0.0123626374 0.40435414
## 29653 0.0205040581 0.0230880231 0.000000000 0.0219780220 0.41044993
## 29654 0.0491243059 0.0553150553 0.000000000 0.0526556777 0.42989840
## 29655 0.0247757369 0.0278980279 0.000000000 0.0265567766 0.41335269
## 29656 0.1055104656 0.0033670034 0.062305296 0.1085164835 0.36952104
## 29657 0.1196070056 0.0033670034 0.170093458 0.1268315018 0.31930334
## 29658 0.0328919265 0.0009620010 0.046728972 0.0343406593 0.37532656
## 29659 0.4237505340 0.0072150072 0.057320872 0.4281135531 0.37416546
## 29660 0.2426313541 0.0004810005 0.013084112 0.2500000000 0.39071118
## 29661 0.1388295600 0.0000000000 0.113395639 0.1483516484 0.34368650
## 29662 0.5852199915 0.0654160654 0.768847352 0.5741758242 0.07779390
## 29663 0.0405809483 0.0014430014 0.006853583 0.0421245421 0.39419448
## 29664 0.2345151645 0.0091390091 0.082866044 0.2371794872 0.36342525
## 29665 0.0811618966 0.0913900914 0.000000000 0.0869963370 0.45166909
## 29666 0.0491243059 0.0553150553 0.000000000 0.0526556777 0.42989840
## 29667 0.0192225545 0.0216450216 0.000000000 0.0206043956 0.40957910
## 29668 0.0939769329 0.0254930255 0.104049844 0.0989010989 0.36342525
## 29669 0.1311405382 0.1476671477 0.000000000 0.1405677656 0.48563135
## 29670 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29671 0.1272960273 0.0076960077 0.041121495 0.1272893773 0.38200290
## 29672 0.0299017514 0.0009620010 0.042367601 0.0311355311 0.37735849
## 29673 0.0375907732 0.0000000000 0.002492212 0.0384615385 0.39535559
## 29674 0.0871422469 0.0004810005 0.009968847 0.0874542125 0.39216255
## 29675 0.0461341307 0.0004810005 0.001869159 0.0485347985 0.39593614
## 29676 0.0213583938 0.0240500241 0.000000000 0.0228937729 0.41103048
## 29677 0.0427167877 0.0009620010 0.023052960 0.0439560440 0.38635704
## 29678 0.0046988466 0.0000000000 0.001246106 0.0041208791 0.39593614
## 29679 0.0111063648 0.0014430014 0.014330218 0.0119047619 0.39071118
## 29680 0.0119607006 0.0134680135 0.000000000 0.0128205128 0.40464441
## 29681 0.0768902179 0.0009620010 0.014330218 0.0778388278 0.39042090
## 29682 0.0222127296 0.0091390091 0.020560748 0.0228937729 0.39245283
## 29683 0.0495514737 0.0149110149 0.052959502 0.0512820513 0.38084180
## 29684 0.0175138830 0.0197210197 0.000000000 0.0187728938 0.40841800
## 29685 0.0192225545 0.0014430014 0.007476636 0.0164835165 0.39390421
## 29686 0.0149508757 0.0168350168 0.000000000 0.0160256410 0.40667634
## 29687 0.0299017514 0.0336700337 0.000000000 0.0320512821 0.41683599
```

```
## 29688 0.0474156343 0.0533910534 0.000000000 0.0508241758 0.42873730
## 29689 0.0696283639 0.0784030784 0.000000000 0.0746336996 0.44383164
## 29690 0.0422896198 0.0476190476 0.000000000 0.0453296703 0.42525399
## 29691 0.0038445109 0.0009620010 0.002492212 0.0032051282 0.39593614
## 29692 0.0743272106 0.0519480519 0.041121495 0.0796703297 0.40870827
## 29693 0.1093549765 0.0192400192 0.134579439 0.1149267399 0.34542816
## 29694 0.0017086715 0.0004810005 0.001869159 0.0018315018 0.39593614
## 29695 0.1285775310 0.0928330928 0.067289720 0.1359890110 0.42119013
## 29696 0.1542076036 0.0019240019 0.019314642 0.1561355311 0.38867925
## 29697 0.0337462623 0.0014430014 0.047352025 0.0361721612 0.37532656
## 29698 0.0709098676 0.0019240019 0.016822430 0.0700549451 0.38984035
## 29699 0.0346005980 0.00000000000 0.009968847 0.0343406593 0.39187228
## 29700 0.0234942332 0.0264550265 0.000000000 0.0251831502 0.41248186
## 29701 0.0222127296 0.0014430014 0.006853583 0.0224358974 0.39419448
## 29702 0.0363092695 0.0004810005 0.052336449 0.0384615385 0.37242380
## 29703 0.0794532251 0.0288600289 0.078504673 0.0842490842 0.37735849
## 29704 0.0991029475 0.0153920154 0.124610592 0.0989010989 0.34775036
## 29705 0.5617257582 0.6325156325 0.000000000 0.6021062271 0.77822932
## 29706 0.0615121743 0.0158730159 0.069158879 0.0645604396 0.37387518
## 29707 0.0149508757 0.0168350168 0.000000000 0.0160256410 0.40667634
## 29708 0.0111063648 0.0125060125 0.000000000 0.0119047619 0.40406386
## 29709 0.0012815036 0.0014430014 0.000000000 0.0013736264 0.39738752
## 29710 0.0324647587 0.0062530063 0.039252336 0.0334249084 0.38200290
## 29711 0.0328919265 0.0004810005 0.020560748 0.0334249084 0.38722787
## 29712 0.0158052114 0.0004810005 0.006230530 0.0160256410 0.39390421
## 29713 0.0111063648 0.0024050024 0.013084112 0.0109890110 0.39187228
## 29714 0.0367364374 0.0033670034 0.049221184 0.0361721612 0.37561684
## 29715 0.0200768902 0.0009620010 0.008099688 0.0187728938 0.39332366
## 29716 0.0098248612 0.0110630111 0.000000000 0.0105311355 0.40319303
## 29717 0.0046988466 0.0052910053 0.000000000 0.0050366300 0.39970972
## 29718 0.0529688167 0.0596440596 0.000000000 0.0567765568 0.43251089
## 29719 0.0187953866 0.0149110149 0.008099688 0.0201465201 0.40174165
## 29720 0.0128150363 0.0000000000 0.011838006 0.0137362637 0.39100145
## 29721 0.0145237078 0.00000000000 0.015576324 0.0141941392 0.38925980
## 29722 0.0145237078 0.0163540164 0.000000000 0.0155677656 0.40638607
## 29723 0.0162323793 0.0028860029 0.019937695 0.0151098901 0.38896952
## 29724 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 29725 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 29726 0.0029901751 0.0004810005 0.003738318 0.0027472527 0.39506531
## 29727 0.0205040581 0.0230880231 0.000000000 0.0219780220 0.41044993
## 29728 0.0136693721 0.0057720058 0.012461059 0.0132783883 0.39419448
## 29729 0.0123878684 0.0000000000 0.003115265 0.0128205128 0.39506531
## 29731 0.0542503204 0.0000000000 0.006230530 0.0563186813 0.39361393
## 29733 0.0269115762 0.0009620010 0.038006231 0.0283882784 0.37939042
## 29734 0.0149508757 0.0009620010 0.020560748 0.0155677656 0.38751814
## 29735 0.0034173430 0.0004810005 0.004361371 0.0032051282 0.39477504
## 29736 0.0299017514 0.0028860029 0.020560748 0.0293040293 0.38867925
## 29737 0.0205040581 0.0038480038 0.024922118 0.0196886447 0.38722787
```

```
## 29738 0.0064075182 0.0072150072 0.000000000 0.0068681319 0.40087083
## 29739 0.0632208458 0.0711880712 0.000000000 0.0677655678 0.43947750
## 29740 0.0158052114 0.0009620010 0.002492212 0.0151098901 0.39593614
## 29741 0.0132422042 0.0000000000 0.003738318 0.0137362637 0.39477504
## 29742 0.0158052114 0.0000000000 0.001869159 0.0155677656 0.39564586
## 29743 0.0234942332 0.0024050024 0.031152648 0.0228937729 0.38345428
## 29744 0.0098248612 0.0110630111 0.000000000 0.0105311355 0.40319303
## 29745 0.0085433575 0.0096200096 0.000000000 0.0091575092 0.40232221
## 29746 0.0089705254 0.00000000000 0.000000000 0.0096153846 0.39651669
## 29747 0.0076890218 0.0000000000 0.003115265 0.0073260073 0.39506531
## 29748 0.0093976933 0.0105820106 0.000000000 0.0100732601 0.40290276
## 29749 0.0145237078 0.0163540164 0.000000000 0.0155677656 0.40638607
## 29750 0.0102520290 0.00000000000 0.001246106 0.0109890110 0.39593614
## 29751 0.0106791969 0.0000000000 0.000000000 0.0114468864 0.39651669
## 29753 0.0025630073 0.0028860029 0.000000000 0.0027472527 0.39825835
## 29754 0.0247757369 0.0177970178 0.013084112 0.0238095238 0.40116110
## 29755 0.0093976933 0.0105820106 0.000000000 0.0100732601 0.40290276
## 29756 0.0521144810 0.0014430014 0.018691589 0.0471611722 0.38867925
## 29757 0.1038017941 0.1168831169 0.000000000 0.1112637363 0.46705370
## 29758 0.0226398975 0.0019240019 0.030529595 0.0233516484 0.38345428
## 29759 0.1375480564 0.0048100048 0.109034268 0.1382783883 0.34862119
## 29760 0.0222127296 0.0250120250 0.000000000 0.0238095238 0.41161103
## 29761 0.0119607006 0.0134680135 0.000000000 0.0128205128 0.40464441
## 29762 0.0059803503 0.0000000000 0.00000000 0.0064102564 0.39651669
## 29763 0.0192225545 0.0004810005 0.001869159 0.0201465201 0.39593614
## 29764 0.0324647587 0.0365560366 0.000000000 0.0347985348 0.41857765
## 29765 0.0029901751 0.0004810005 0.003738318 0.0032051282 0.39506531
## 29766 0.0076890218 0.0028860029 0.007476636 0.0073260073 0.39477504
## 29767 0.0179410508 0.0000000000 0.006853583 0.0183150183 0.39332366
## 29768 0.0046988466 0.0004810005 0.006230530 0.0050366300 0.39390421
## 29769 0.0247757369 0.0278980279 0.000000000 0.0265567766 0.41335269
## 29770 0.0546774883 0.0000000000 0.004984424 0.0549450549 0.39419448
## 29771 0.0051260145 0.0057720058 0.000000000 0.0054945055 0.40000000
## 29772 0.0102520290 0.0115440115 0.000000000 0.0109890110 0.40348331
## 29773 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
## 29774 0.0222127296 0.0250120250 0.000000000 0.0238095238 0.41161103
## 29775 0.0089705254 0.0000000000 0.001246106 0.0086996337 0.39593614
## 29776 0.0136693721 0.0096200096 0.007476636 0.0128205128 0.39883890
## 29777 0.0115335327 0.0004810005 0.004984424 0.0109890110 0.39448476
## 29778 0.0085433575 0.0096200096 0.000000000 0.0091575092 0.40232221
## 29779 0.0192225545 0.0000000000 0.001869159 0.0206043956 0.39564586
## 29780 0.0059803503 0.0067340067 0.000000000 0.0064102564 0.40058055
## 29781 0.0252029047 0.0062530063 0.028660436 0.0256410256 0.38693759
## 29782 0.0042716788 0.0048100048 0.000000000 0.0045787546 0.39941945
## 29783 0.0102520290 0.0000000000 0.003738318 0.0105311355 0.39477504
## 29784 0.0230670654 0.0000000000 0.006853583 0.0228937729 0.39332366
## 29785 0.0029901751 0.0033670034 0.000000000 0.0032051282 0.39854862
## 29786 0.0123878684 0.0019240019 0.015576324 0.0114468864 0.39042090
## 29787 0.0431439556 0.0004810005 0.006230530 0.0453296703 0.39390421
```

```
## 29788 0.0021358394 0.0024050024 0.000000000 0.0022893773 0.39796807
##
                X65
                             X166
                                            X2 X0.6
                                                            X24 X0.7 X0.8 X0.9
## 28004 1.00000000 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28005 0.66666667 1.405959e-02 8.283917e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28006 0.47222222 2.174115e-02 1.449686e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28007 0.88888889 1.904097e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28008 0.26388889 1.750466e-02 0.000000e+00
                                                                              0
                                                 NaN 1.00000000
                                                                    1
                                                                         0
## 28009 0.31944444 1.359404e-02 2.070979e-05
                                                 NaN 1.00000000
                                                                         0
                                                                              0
## 28010 1.00000000 2.039106e-02 2.761306e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         1
                                                                              0
## 28011 0.06944444 4.702048e-03 0.000000e+00
                                                                              0
                                                 NaN 1.00000000
                                                                    0
                                                                         1
## 28012 0.51388889 2.583799e-02 4.210991e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28013 0.05555556 1.671322e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28014 0.79166667 2.211359e-02 5.936808e-04
                                                                              0
                                                 NaN 1.00000000
                                                                    0
                                                                         0
## 28015 0.80555556 4.562384e-02 1.154226e-02
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28016 0.84722222 1.932030e-02 3.589698e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28017 0.95833333 1.894786e-02 3.037436e-04
                                                 NaN 1.00000000
                                                                              0
## 28018 0.09722222 1.955307e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                    1
                                                                         0
                                                                              0
## 28019 0.48611111 2.169460e-02 1.380653e-03
                                                 NaN 1.00000000
                                                                    0
                                                                         1
                                                                              0
## 28020 0.76388889 5.074488e-02 8.283917e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28021 0.66666667 5.870577e-02 9.871668e-04
                                                                    0
                                                                         0
                                                                              0
                                                 NaN 1.00000000
## 28022 0.18055556 5.959032e-02 1.311620e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28023 0.84722222 5.158287e-02 5.591644e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28024 0.22222222 9.906890e-02 3.520665e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28025 0.95833333 2.811918e-02 1.863881e-04
                                                                         0
                                                                              0
                                                 NaN 1.00000000
                                                                    0
## 28026 0.95833333 5.293296e-02 4.141959e-04
                                                 NaN 1.00000000
                                                                              0
## 28027 0.62500000 2.160149e-02 1.173555e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28028 0.77777778 4.795158e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                         0
                                                                              0
                                                                    0
## 28029 0.41666667 1.866853e-02 6.903265e-06
                                                 NaN 1.00000000
                                                                    1
                                                                         0
                                                                              0
## 28030 0.02777778 8.608007e-02 9.664570e-05
                                                 NaN 1.00000000
                                                                         0
                                                                              0
                                                                    1
## 28031 0.44444444 3.542831e-02 2.070979e-05
                                                 NaN 1.00000000
                                                                              0
                                                                    0
                                                                         1
## 28032 0.75000000 1.340782e-02 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         1
                                                                              0
## 28033 0.75000000 3.514898e-02 2.623241e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28034 0.04166667 1.769088e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28035 0.00000000 1.615456e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                              1
## 28036 0.08333333 5.716946e-02 2.416143e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28037 0.84722222 1.838920e-02 2.968404e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28038 0.54166667 1.066108e-02 9.664570e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28039 0.15277778 1.461825e-02 2.070979e-05
                                                                         0
                                                                              1
                                                 NaN 1.00000000
                                                                    0
## 28040 0.54166667 7.867784e-03 2.070979e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28041 0.95833333 1.084730e-02 2.761306e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28042 0.73611111 1.061453e-02 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28043 0.44444444 4.655493e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28044 0.69444444 2.085661e-02 3.520665e-04
                                                 NaN 1.00000000
                                                                         0
                                                                              0
## 28045 0.52777778 1.382682e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28046 0.75000000 2.183426e-02 3.865828e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28047 0.58333333 6.890130e-03 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28048 0.59722222 5.214153e-03 1.035490e-04
                                                 NaN 1.00000000
                                                                    1
                                                                         0
                                                                              0
## 28049 0.11111111 1.391993e-02 1.290910e-03
                                                 NaN 1.00000000
                                                                         0
                                                                              0
                                                                    1
  28050 0.34722222 3.291434e-02 3.175502e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         1
                                                                              0
## 28051 0.15277778 4.934823e-03 1.311620e-04
                                                 NaN 1.00000000
                                                                    0
                                                                              1
```

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

```
## 28102 0.20833333 9.771881e-02 6.903265e-06
                                                 NaN 1.00000000
                                                                              0
                                                                         0
## 28103 0.65277778 6.317505e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28104 0.16666667 1.163873e-02 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28105 0.81944444 7.029795e-03 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28106 0.16666667 1.443203e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28107 0.72222222 3.351955e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28108 0.05555556 0.000000e+00 0.000000e+00
                                                                              0
                                                 NaN 1.00000000
                                                                    0
                                                                         0
## 28109 0.98611111 8.379888e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28110 1.00000000 1.955307e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         1
                                                                              0
## 28111 0.00000000 1.261639e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                         0
                                                                              1
                                                                    0
## 28112 0.11111111 1.303538e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28113 0.80555556 8.379888e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         1
                                                                              0
## 28114 0.80555556 8.379888e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                              0
                                                                    0
                                                                         0
## 28115 0.55555556 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28116 0.33333333 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28117 0.70833333 9.310987e-04 1.380653e-05
                                                 NaN 1.00000000
                                                                              0
## 28118 0.51388889 2.839851e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28119 0.34722222 3.677840e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                              1
                                                                    0
                                                                         0
## 28120 0.11111111 7.448790e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28121 0.20833333 2.839851e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28122 0.37500000 1.121974e-02 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28123 0.69444444 7.448790e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28124 0.58333333 1.303538e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28125 0.72222222 7.122905e-03 6.903265e-06
                                                 NaN 1.00000000
                                                                         0
                                                                              0
                                                                    0
                                                                              0
## 28126 0.73611111 0.000000e+00 6.903265e-06
                                                 NaN 1.00000000
## 28127 0.22222222 4.134078e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28128 0.13888889 5.041899e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28129 0.69444444 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28130 0.37500000 0.0000000e+00 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28131 0.36111111 5.535382e-02 6.903265e-06
                                                 NaN 1.00000000
                                                                         0
                                                                              1
                                                                    0
## 28132 0.25000000 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28133 0.23611111 3.361266e-02 0.000000e+00
                                                                              0
                                                 NaN 1.00000000
                                                                    0
                                                                         1
## 28134 0.93055556 0.000000e+00 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28135 0.27777778 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                              0
## 28136 0.59722222 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28137 0.50000000 1.396648e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                              1
                                                                    0
                                                                         0
## 28138 0.76388889 4.283054e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28139 0.84722222 5.307263e-03 6.903265e-06
                                                                         0
                                                                              0
                                                 NaN 1.00000000
                                                                    0
## 28140 0.25000000 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28141 0.54166667 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                    1
                                                                         0
                                                                              0
## 28142 0.04166667 2.402235e-02 6.903265e-06
                                                 NaN 1.00000000
                                                                         0
                                                                              0
                                                                    0
## 28143 0.34722222 2.653631e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28144 0.31944444 0.000000e+00 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28145 0.83333333 2.327747e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28146 0.75000000 1.517691e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28147 0.48611111 8.659218e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28148 0.97222222 2.234637e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    1
                                                                         0
                                                                              0
  28149 1.00000000 3.119181e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
  28150 0.00000000 5.772812e-03 8.974244e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28151 0.58333333 0.000000e+00 1.380653e-05
                                                 NaN 1.00000000
                                                                    0
                                                                              1
```

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

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

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

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

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

```
## 28402 0.73611111 4.748603e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                              0
                                                                         0
## 28403 0.69444444 3.910615e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28404 0.81944444 2.094972e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         1
                                                                              0
## 28405 0.05555556 2.560521e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                              0
                                                                    0
                                                                         0
## 28406 0.84722222 2.932961e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         1
                                                                              0
## 28407 0.76388889 2.746741e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
  28408 0.15277778 5.074488e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
  28409 0.65277778 4.422719e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28410 0.75000000 1.489758e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                              0
  28411 0.19444444 5.586592e-04 0.000000e+00
                                                                              0
                                                 NaN 1.00000000
                                                                    0
                                                                         1
## 28412 0.2222222 2.700186e-03 1.380653e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28413 0.06944444 6.005587e-03 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
                                                 NaN 1.00000000
## 28414 0.73611111 5.121043e-04 6.903265e-06
                                                                              0
                                                                    0
                                                                         0
## 28415 0.11111111 1.675978e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
  28416 0.13888889 6.610801e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
  28417 0.22222222 5.121043e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                         0
                                                                              0
## 28418 0.25000000 6.238361e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28419 0.72222222 1.443203e-03 0.000000e+00
                                                                              0
                                                 NaN 1.00000000
                                                                    0
                                                                         0
## 28420 0.50000000 1.675978e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28421 0.25000000 4.562384e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         1
                                                                              0
## 28422 0.50000000 1.675978e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                              0
                                                                    0
                                                                         1
## 28423 0.33333333 6.052142e-03 2.761306e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
  28424 0.40277778 1.350093e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28425 0.97222222 5.121043e-04 6.903265e-06
                                                                              0
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
  28426 0.94444444 2.653631e-03 0.000000e+00
                                                 NaN 1.00000000
## 28427 0.18055556 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28428 0.20833333 9.310987e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28429 0.66666667 6.052142e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28430 0.30555556 4.934823e-03 2.070979e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28431 0.70833333 2.001862e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                              1
                                                                    0
                                                                         0
## 28432 0.84722222 1.629423e-03 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28433 0.51388889 2.420857e-03 0.000000e+00
                                                                              0
                                                 NaN 1.00000000
                                                                    0
                                                                         0
## 28434 0.19444444 3.724395e-03 2.070979e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28435 0.45833333 1.955307e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                              0
  28436 0.58333333 1.955307e-03 2.001947e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28437 0.93055556 3.584730e-03 2.070979e-05
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              1
## 28438 0.83333333 3.864060e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28439 0.58333333 2.001862e-03 1.380653e-05
                                                                              0
                                                 NaN 1.00000000
                                                                    0
                                                                         0
## 28440 0.18055556 2.188082e-03 6.903265e-06
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28441 0.20833333 4.422719e-03 2.830338e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28442 0.44444444 4.329609e-03 2.008850e-03
                                                 NaN 0.91304348
                                                                    0
                                                                              0
                                                                         0
## 28443 0.18055556 2.607076e-03 4.645897e-03
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28444 0.48611111 4.702048e-03 1.187362e-03
                                                 NaN 0.78260870
                                                                    0
                                                                         0
                                                                              0
## 28445 0.29166667 6.703911e-03 2.278077e-04
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
## 28446 0.31944444 6.750466e-03 1.214975e-03
                                                                              0
                                                 NaN 1.00000000
                                                                    0
                                                                         0
## 28447 0.44444444 6.517691e-04 3.139605e-02
                                                 NaN 0.86956522
                                                                    0
                                                                         0
                                                                              0
## 28448 0.26388889 1.955307e-03 1.037561e-02
                                                 NaN 1.00000000
                                                                    0
                                                                         0
                                                                              0
  28449 0.56944444 4.841713e-03 5.232675e-03
                                                 NaN 0.47826087
                                                                    0
                                                                         0
                                                                              0
   28450 0.63888889 4.515829e-03 6.765199e-04
                                                 NaN 0.26086957
                                                                    0
                                                                         0
                                                                              0
## 28451 0.27777778 4.143389e-03 6.489069e-04
                                                 NaN 1.00000000
                                                                    0
                                                                              0
```

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

```
## 29752 0.81944444 3.770950e-03 2.416143e-04
                                                   NaN 1.00000000
                                                                                 0
                                                                      0
                                                                           0
## 29753 0.02777778 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                      0
                                                                            1
                                                                                 0
   29754 0.40277778 5.214153e-03 7.938754e-04
                                                   NaN 1.00000000
                                                                      0
                                                                            1
                                                                                 0
## 29755 0.29166667 8.891993e-03 2.140012e-04
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 0
   29756 0.90277778 7.914339e-04 1.242588e-04
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 0
## 29757 0.11111111 3.910615e-03 1.242588e-04
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 0
   29758 0.61111111 5.493482e-03 1.035490e-04
                                                                                 0
                                                   NaN 1.00000000
                                                                      0
                                                                            0
  29759 0.75000000 2.420857e-03 1.104522e-04
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 0
## 29760 0.20833333 7.029795e-03 1.173555e-04
                                                   NaN 1.00000000
                                                                      0
                                                                                 0
   29761 0.15277778 7.309125e-03 9.664570e-05
                                                   NaN 1.00000000
                                                                            0
                                                                      0
                                                                                 0
## 29762 0.93055556 6.564246e-03 1.380653e-05
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 0
## 29763 0.80555556 5.679702e-03 8.283917e-05
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 0
                                                   NaN 1.00000000
## 29764 0.33333333 2.746741e-03 1.311620e-04
                                                                                 0
                                                                      0
                                                                            0
  29765 0.56944444 8.798883e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                      1
                                                                           0
                                                                                 0
   29766 0.47222222 5.912477e-03 4.280024e-04
                                                   NaN 1.00000000
                                                                      1
                                                                            0
                                                                                 0
   29767 0.81944444 4.329609e-03 0.000000e+00
                                                   NaN 1.00000000
                                                                                 0
                                                                      1
  29768 0.58333333 7.681564e-03 0.000000e+00
                                                   NaN 1.00000000
                                                                      1
                                                                           0
                                                                                 0
  29769 0.15277778 8.007449e-03 6.903265e-06
                                                   NaN 1.00000000
                                                                      0
                                                                            1
                                                                                 0
   29770 0.98611111 2.700186e-03 6.903265e-06
                                                   NaN 1.00000000
                                                                      0
                                                                            1
                                                                                 0
  29771 0.20833333 4.376164e-03 1.173555e-04
                                                   NaN 1.00000000
                                                                      0
                                                                           1
                                                                                 0
## 29772 0.23611111 8.798883e-03 1.380653e-05
                                                   NaN 1.00000000
                                                                      0
                                                                           1
                                                                                 0
## 29773 0.04166667 5.307263e-03 6.903265e-05
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 1
   29774 0.23611111 7.588454e-03 8.283917e-05
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 1
  29775 0.95833333 3.072626e-03 1.035490e-04
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 1
  29776 0.43055556 9.729981e-03 9.664570e-05
                                                   NaN 1.00000000
                                                                                 0
   29777 0.80555556 8.705773e-03 1.587751e-04
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 0
  29778 0.25000000 2.094972e-03 2.830338e-04
                                                   NaN 1.00000000
                                                                                 0
                                                                      0
                                                                            0
   29779 0.88888889 3.491620e-03 7.593591e-05
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 0
## 29780 0.01388889 3.910615e-03 6.903265e-06
                                                   NaN 1.00000000
                                                                            0
                                                                                 0
                                                                      0
  29781 0.52777778 6.610801e-03 1.863881e-04
                                                   NaN 1.00000000
                                                                                 0
                                                                      1
                                                                            0
## 29782 0.06944444 1.797020e-02 6.903265e-05
                                                   NaN 1.00000000
                                                                      0
                                                                           1
                                                                                 0
## 29783 0.81944444 7.728119e-03 6.903265e-05
                                                                                 0
                                                   NaN 1.00000000
                                                                      0
                                                                            0
## 29784 0.90277778 1.536313e-03 1.753429e-03
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 0
## 29785 0.22222222 1.741155e-02 8.974244e-05
                                                   NaN 1.00000000
                                                                                 0
  29786 0.65277778 6.657356e-03 2.416143e-04
                                                   NaN 1.00000000
                                                                      0
                                                                            0
                                                                                 0
  29787 0.87500000 1.284916e-02 0.000000e+00
                                                                                 0
                                                  NaN 1.00000000
                                                                      0
                                                                            0
   29788 0.26388889 5.633147e-03 8.974244e-05
                                                   NaN 1.00000000
                                                                      0
                                                                            0
##
         X1.1 X0.10 X0.11 X0.12 X0.13 X0.14 X0.15 X0.16 X0.17 X0.18 X1.2
## 28004
             0
                   1
                         0
                                0
                                       1
                                             0
                                                   0
                                                          0
                                                                 0
                                                                       0
                                                                            0
## 28005
             0
                   0
                          1
                                0
                                       1
                                             0
                                                    0
                                                          0
                                                                 0
                                                                       0
                                                                             0
## 28006
             0
                   0
                          0
                                1
                                       1
                                             0
                                                    0
                                                          0
                                                                 0
                                                                       0
                                                                             0
## 28007
             0
                   0
                          0
                                1
                                       0
                                             0
                                                    1
                                                          0
                                                                 0
                                                                       0
                                                                             0
## 28008
             0
                   0
                          0
                                0
                                       0
                                             1
                                                    0
                                                          0
                                                                 0
                                                                       0
                                                                             0
## 28009
             0
                   0
                          0
                                0
                                       0
                                             1
                                                    0
                                                          0
                                                                 0
                                                                       0
                                                                             0
                          0
                                                    0
## 28010
             0
                                0
                                       0
                                             0
                                                          0
                                                                 1
                                                                       0
                                                                             0
                   0
## 28011
             0
                          0
                                0
                                       0
                                             1
                                                    0
                                                          0
                                                                 0
                                                                       0
                                                                             0
                   a
## 28012
             0
                   0
                         0
                                0
                                       0
                                             0
                                                    0
                                                          1
                                                                 0
                                                                       0
                                                                             0
## 28013
             1
                   0
                          0
                                0
                                       0
                                             0
                                                    0
                                                          1
                                                                 0
                                                                       0
                                                                             0
## 28014
             1
                   0
                          0
                                0
                                       0
                                             0
                                                    0
                                                          0
                                                                 0
                                                                       1
                                                                             0
## 28015
             0
                   1
                          0
                                0
                                       0
                                             0
                                                    0
                                                          0
                                                                 0
                                                                       0
                                                                             1
```

## 28016	0	0	1	0	1	0	0	0	0	0	0	
## 28017	0	0	0	1	0	0	1	0	0	0	0	
## 28018	0	0	0	0	1	0	0	0	0	0	0	
## 28019	0	0	0	0	0	0	1	0	0	0	0	
## 28020	0	0	0	0	0	0	0	0	0	1	0	
## 28021	1	0	0	0	0	0	0	0	0	1	0	
## 28022	1	0	0	0	0	0	0	0	1	0	0	
## 28023	0	1	0	0	0	0	0	0	0	0	1	
	0	1	0	0	0	0	0	0	0	1	0	
## 28025	0	0	1	0	0	1	0	0	0	0	0	
## 28026	0	0	1	0	0	1	0	0	0	0	0	
## 28027	0	0	0	1	0	1	0	0	0	0	0	
## 28028	0	0	0	1	0	1	0	0	0	0	0	
## 28029	0	0	0	0	0	1	0	0	0	0	0	
## 28030	0	0	0	0	1	0	0	0	0	0	0	
## 28031	0	0	0	0	0	0	1	0	0	0	0	
## 28032	0	0	0	0	0	0	0	1	0	0	0	
## 28033	0	0	0	0	0	0	0	0	1	0	0	
## 28034	0	0	0	0	0	0	1	0	0	0	0	
## 28035	0	0	0	ø	0	0	1	0	0	0	0	
## 28036	1	0	0	0	0	0	0	1	0	0	0	
## 28037	0	1	0	0	0	0	0	0	0	0	1	
## 28038	0	1	0	0	0	0	0	0	0	0	1	
## 28039	0	0	0	0	0	0	0	1	0	0	0	
## 28040	1	0	0	0	0	0	0	0	1	0	0	
## 28041	1	0	0	0	0	0	0	0	0	0	1	
## 28042	1	0	0	0	0	0	0	0	0	0	1	
## 28042				0	0	0	0				0	
	0	1	0					0	0	1		
## 28044	0	0	1	0	1	0	0	0	0	0	0	
## 28045	0	0	1	0	1	0	0	0	0	0	0	
## 28046	0	0	0	1	0	1	0	0	0	0	0	
## 28047	0	0	0	1	0	1	0	0	0	0	0	
## 28048	0	0	0	0	0	0	1	0	0	0	0	
## 28049	0	0	0	0	1	0	0	0	0	0	0	
## 28050	0	0	0	ø	0	0	1	0	0	0	0	
## 28051	0	0	0	0	0	0	1	0	0	0	0	
## 28052	0	0	0	0	0	0	0	1	0	0	0	
## 28053	0	0	0	0	0	0	0	0	1	0	0	
## 28054	1	0	0	0	0	0	0	0	1	0	0	
## 28055	1	0	0	0	0	0	0	0	0	0	1	
## 28056	1	0	0	0	0	0	0	0	0	0	1	
## 28057	0	1	0	0	0	0	0	0	1	0	0	
## 28058	0	1	0	0	1	0	0	0	0	0	0	
## 28059	0	0	1	0	1	0	0	0	0	0	0	
## 28060	0	0	1	0	1	0	0	0	0	0	0	
## 28061	0	0	1	0	0	1	0	0	0	0	0	
## 28062	0	0	0	1	0	1	0	0	0	0	0	
## 28063	0	0	0	1	1	0	0	0	0	0	0	
## 28064	0	0	0	0	1	0	0	0	0	0	0	
## 28065	0	0	0	0	0	0	1	0	0	0	0	

## 28067 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 20066	α	0	0	0	0	0	1	0	0	0	0	
## 28068 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 1 ## 28070 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 ## 28070 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0	## 28066	0	0	0	0	0	0	1	0	0	0	0	
## 28079													
## 28070													
## 28071 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28073 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 ## 28073 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0													
## 28073 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 ## 28075 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0													
## 28074 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28075 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0													
## 28076													
## 28077													
## 28078 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28079 0 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0													
## 28080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28081 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28082													
## 28083													
## 28084													
## 28085 0 1 0 0 0 0 0 0 0 0 0 0 1 ## 28086 0 1 0 0 0 0 0 0 0 0 0 1 ## 28087 0 0 1 0 0 0 0 0 0 0 0 0 1 ## 28088 0 0 1 0 0 1 0 0 0 0 0 0 0 0 1 ## 28089 0 0 1 0 0 0 0 0 0 0 0 1 0 ## 28090 0 0 0 0 0 0 0 0 0 0 0 0 1 0 ## 28091 0 1 0 0 0 0 0 0 0 0 0 1 ## 28092 0 0 1 0 0 0 1 0 0 0 0 0 0 1 ## 28093 0 0 1 0 0 0 1 0 0 0 0 0 0 1 ## 28094 0 0 1 0 0 0 0 0 0 0 0 0 1 0 ## 28095 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 ## 28096 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 ## 28096 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 ## 28097 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28099 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28099 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28100 1 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28100 1 0 0 0 0 0 0 0 0 0 0 0 0 ## 28100 1 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28100 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28100 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28100 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28100 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28100 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28086 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 ## 28087 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0													
## 28087 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 1 ## 28088 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 ## 28090 0 0 1 0 0 0 0 0 0 0 1 0 0 ## 28091 0 1 0 0 0 0 0 0 0 0 0 1 0 0 ## 28092 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 ## 28093 0 0 1 0 0 0 0 0 0 0 0 0 0 1 ## 28095 0 0 0 0 0 0 0 0 0 0 0 0 1 0 ## 28096 1 0 0 0 0 0 0 0 0 0 0 1 0 ## 28096 1 0 0 0 0 0 0 0 0 0 1 0 ## 28097 1 0 0 0 0 0 0 0 0 0 1 0 ## 28098 0 0 0 0 0 0 0 0 0 0 0 1 0 ## 28099 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28100 1 0 0 0 0 0 0 0 0 0 0 0 ## 28100 0 1 0 0 0 0 0 0 0 0 0 0 0 ## 28100 0 1 0 0 0 0 0 0 0 0 0 0 0 ## 28110 0 0 1 0 0 0 0 0 0 0 0 0 0 0 ## 28110 0 0 1 0 0 0 0 0 0 0 0 0 0 0 ## 28110 0 0 1 0 0 0 0 0 0 0 0 0 0 0 ## 28110 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 ## 28111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 28111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28088 0 0 0 1 0 1 0 1 0 0 0 0 0 0 ## 28099 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28089 0 0 1 0 0 0 0 0 0 0 1 0 0 0 ## 28090 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0		0		0	0	0			1	
## 28090 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 ## 28091 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0											0		
## 28091 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 ## 28092 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							0		0				
## 28092 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 ## 28109 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0							1			
## 28093 0 0 1 0 0 0 0 0 0 0 0 1 0 ## 28095 0 0 0 0 0 0 0 0 0 0 0 0 1 ## 28096 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1						0		0		
## 28094 0 0 1 0 0 0 0 0 0 0 0 1 0 ## 28109 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0											0		
## 28095 0 0 0 0 0 0 0 0 0 0 0 0 1 0 ## 28096 1 0 0 0 0 0 0 0 0 0 0 1 0 0 ## 28112 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							0						
## 28096													
## 28097 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0													
## 28098 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0													
## 28099 0 0 0 0 0 0 0 0 0 1 0 0 0 0 ## 28100 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28100													
## 28101 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0							0		
## 28102 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28103 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28104 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 1 ## 28105 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28105													
## 28106 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0		0									0		
## 28107 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0			0										
## 28108 0 0 1 0 0 0 0 0 0 1 0 ## 28110 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28109 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0													
## 28110 0 0 0 0 0 0 0 0 0 1 0 0 0 ## 28111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 28111 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0													
## 28112 0 0 1 0 0 0 0 0 0 1 ## 28113 0 0 0 0 0 0 0 0 1 0 0 ## 28114 0 0 1 0 0 0 0 0 0													
## 28113 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0				0									
## 28114 0 0 1 0 1 0 0 0 0				1					0		0		
			0	0		0			0		0		
## 28115 0 0 0 1 0 1 0 0 0 0													
	## 28115	0	0	0	1	0	1	0	0	0	0	0	

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

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

## 20216	1	0	0	0	0	0	0	0	1	0	0	
## 28216 ## 28217	1	0	0	0	0	0	0	0	1	0	0	
	1	0	0	0	0	0	0	0	1	0	0	
## 28218	0	0	1	0	0	0	0	0	0	0	1	
## 28219	0	0	0	0	0	0	1	0	0	0	0	
## 28220	1	0	0	0	0	0	0	0	0	0	1	
## 28221	0	1	0	0	1	0	0	0	0	0	0	
## 28222	0	0	0	1	0	0	1	0	0	0	0	
## 28223	0	0	0	1	0	0	1	0	0	0	0	
## 28224	0	0	0	0	0	0	0	0	0	1	0	
## 28225	1	0	0	0	0	0	0	0	1	0	0	
## 28226	0	0	0	1	0	1	0	0	0	0	0	
## 28227	0	0	0	1	0	1	0	0	0	0	0	
## 28228	0	0	0	0	0	0	0	1	0	0	0	
## 28229	1	0	0	0	0	0	0	0	0	1	0	
## 28230	0	1	0	0	0	0	0	0	0	1	0	
## 28231	0	0	1	0	0	1	0	0	0	0	0	
## 28232	0	0	0	1	1	0	0	0	0	0	0	
## 28233	0	0	0	0	0	0	0	1	0	0	0	
## 28234	0	0	0	0	0	0	0	1	0	0	0	
## 28235	0	0	0	0	0	0	0	0	1	0	0	
## 28236	0	0	1	0	0	1	0	0	0	0	0	
## 28237	0	0	0	1	1	0	0	0	0	0	0	
## 28238	0	0	0	0	0	0	0	0	1	0	0	
## 28239	0	0	0	0	0	0	0	0	1	0	0	
## 28240	1	0	0	0	0	0	0	0	0	1	0	
## 28241	0	0	0	0	0	0	0	1	0	0	0	
## 28242	1	0	0	0	0	0	0	0	0	0	1	
## 28243	0	1	0	0	0	0	0	0	0	1	0	
## 28244	0	0	1	0	1	0	0	0	0	0	0	
## 28245	0	0	0	1	0	0	1	0	0	0	0	
## 28246	0	0	0	0	0	0	1	0	0	0	0	
## 28247	0	0	0	0	0	0	0	1	0	0	0	
## 28248	0	0	0	0	0	1	0	0	0	0	0	
## 28249	0	0	0	0	0	0	0	0	0	1	0	
## 28250	0	1	0	0	1	0	0	0	0	0	0	
## 28251	0	0	0	1	0	1	0	0	0	0	0	
## 28252	0	0	0	0	0	0	0	1	0	0	0	
## 28253	0	1	0	0	0	0	0	0	1	0	0	
## 28254	0	0	0	0	0	0	1	0	0	0	0	
## 28255	0	1	0	0	1	0	0	0	0	0	0	
## 28256	0	0	0	1	0	1	0	0	0	0	0	
## 28257	0	1	0	0	1	0	0	0	0	0	0	
## 28258	0	0	0	0	0	0	1	0	0	0	0	
## 28259	1	0	0	0	0	0	0	0	1	0	0	
## 28260	0	1	0	0	0	0	0	0	1	0	0	
## 28261	0	1	0	0	0	0	0	0	1	0	0	
## 28262	0	0	0	1	0	0	0	0	0	0	1	
## 28263	0	1	0	0	0	0	0	0	0	0	1	
## 28264	0	0	0	1	0	1	0	0	0	0	0	
## 28265	0	0	0	0	0	0	0	0	0	1	0	

## 20266	0	0	0	1	0	1	α	0	0	0	0	
## 28266	0	0	0	1	0	1	0	0	0	0	0	
## 28267	0	0	0	0	0	1	0	0	0	0	0	
## 28268	0	1	0	0	0	0	0	0	0	0	1	
## 28269	0	0	0	0	0	0	0	0	1	0	0	
## 28270	0	0	0	0	0	0	0	0	1	0	0	
## 28271	0	0	0	0	0	0	1	0	0	0	0	
## 28272	0	0	1	0	0	0	0	0	0	1	0	
## 28273	0	1	0	0	1	0	0	0	0	0	0	
## 28274	0	0	1	0	0	1	0	0	0	0	0	
## 28275	0	0	0	1	0	0	1	0	0	0	0	
## 28276	0	0	0	1	0	0	1	0	0	0	0	
## 28277	0	0	0	0	0	0	0	1	0	0	0	
## 28278	0	0	1	0	0	0	0	0	0	0	1	
## 28279	0	0	1	0	0	0	0	0	0	0	1	
## 28280	0	0	0	0	0	1	0	0	0	0	0	
## 28281	0	0	0	1	1	0	0	0	0	0	0	
## 28282	0	0	0	0	0	0	0	0	1	0	0	
## 28283	0	0	0	0	0	0	1	0	0	0	0	
## 28284	0	0	0	0	0	0	0	1	0	0	0	
## 28285	1	0	0	0	0	0	0	0	0	1	0	
## 28286	0	0	1	0	0	1	0	0	0	0	0	
## 28287	0	0	0	0	0	0	1	0	0	0	0	
## 28288	0	0	0	0	0	0	0	1	0	0	0	
## 28289	0	0	0	0	0	0	0	1	0	0	0	
## 28290	1	0	0	0	0	0	0	0	1	0	0	
## 28291	1	0	0	0	0	0	0	0	1	0	0	
## 28292	0	1	0	0	1	0	0	0	0	0	0	
## 28293	0	0	0	1	1	0	0	0	0	0	0	
## 28294	0	0	1	0	1	0	0	0	0	0	0	
## 28295	1	0	0	0	0	0	0	1	0	0	0	
## 28296	0	0	0	1	0	1	0	0	0	0	0	
## 28297	0	0	0	1	1	0	0	0	0	0	0	
## 28298	0	0	0	0	0	0	1	0	0	0	0	
## 28299	0	1	0	0	0	0	0	0	1	0	0	
## 28300	0	0	1	0	0	0	0	0	0	0	1	
## 28301	0	0	1	0	1	0	0	0	0	0	0	
## 28302	0	0	1	0	0	1	0	0	0	0	0	
## 28303	0	0	1	0	1	0	0	0	0	0	0	
## 28304	0	0	1	0	1	0	0	0	0	0	0	
## 28305	1	0	0	0	0	0	0	0	1	0	0	
## 28306	0	1	0	0	0	0	0	0	0	1	0	
## 28307	1	0	0	0	0	0	0	0	0	0	1	
## 28308	1	0	0	0	0	0	0	1	0	0	0	
## 28309	1	0	0	0	0	0	0	0	1	0	0	
## 28310	0	0	0	0	0	0	0	1	0	0	0	
## 28311	1	0	0	0	ø	ø	0	0	0	1	0	
## 28312	1	0	0	0	0	0	0	0	0	0	1	
## 28313	0	1	0	ø	ø	0	0	ø	0	1	0	
## 28314	0	0	1	0	ø	ø	0	0	0	1	0	
## 28315	0	0	0	1	0	1	0	0	0	0	0	
"" ZOJIJ	0	J	0	_		-		U	J	J	0	

## 20216	Δ	0	^	0	0	0	0	0	1	0	0	
## 28316	0	0	0	0	0	0	0	0	1	0	0	
## 28317	0	0	0	0	0	0	0	1	0	0	0	
## 28318	0	1	0	0	0	0	0	0	0	1	0	
## 28319	0	1	0	0	0	0	0	0	1	0	0	
## 28320	0	0	1	0	0	0	0	0	0	0	1	
## 28321	0	0	1	0	0	1	0	0	0	0	0	
## 28322	0	0	0	0	0	0	0	0	1	0	0	
## 28323	1	0	0	0	0	0	0	0	1	0	0	
## 28324	0	1	0	0	0	0	0	0	0	0	1	
## 28325	0	0	1	0	0	0	0	0	0	1	0	
## 28326	0	0	0	1	1	0	0	0	0	0	0	
## 28327	0	0	0	0	0	0	0	1	0	0	0	
## 28328	0	0	0	0	0	0	0	0	1	0	0	
## 28329	1	0	0	0	0	0	0	0	0	0	1	
## 28330	0	0	1	0	0	0	0	0	0	0	1	
## 28331	0	0	1	0	0	0	0	0	0	0	1	
## 28332	0	0	0	0	0	0	0	1	0	0	0	
## 28333	0	0	0	0	0	0	0	1	0	0	0	
## 28334	1	0	0	0	0	0	0	0	1	0	0	
## 28335	1	0	0	0	0	0	0	1	0	0	0	
## 28336	1	0	0	0	0	0	0	0	1	0	0	
## 28337	0	0	1	0	0	0	0	0	0	1	0	
## 28338	0	0	0	0	0	0	0	1	0	0	0	
## 28339	1	0	0	0	0	0	0	0	0	1	0	
## 28340	0	1	0	0	1	0	0	0	0	0	0	
## 28341	0	0	1	0	0	1	0	0	0	0	0	
## 28342	0	1	0	0	0	0	0	0	0	0	1	
## 28343	0	1	0	0	1	0	0	0	0	0	0	
## 28344	1	0	0	0	0	0	0	0	0	1	0	
## 28345	1	0	0	0	0	0	0	1	0	0	0	
## 28346	0	1	0	0	0	0	0	0	0	1	0	
## 28347	0	0	1	0	1	0	0	0	0	0	0	
## 28348	0	0	1	0	1	0	0	0	0	0	0	
## 28349	0	0	0	1	0	0	1	0	0	0	0	
## 28350	0	0	0	0	0	0	0	1	0	0	0	
## 28351	0	0	0	0	0	0	0	1	0	0	0	
## 28352	1	0	0	0	0	0	0	0	1	0	0	
## 28353	1	0	0	0	0	0	0	1	0	0	0	
## 28354	0	1	0	0	0	0	0	0	0	0	1	
## 28355	0	0	0	1	1	0	0	0	0	0	0	
## 28356	0	0	0	1	0	1	0	0	0	0	0	
## 28357	0	0	1	0	1	0	0	0	0	0	0	
## 28358	0	0	0	0	0	0	0	1	0	0	0	
## 28359	0	0	1	0	1	0	0	0	0	0	0	
## 28360	0	0	0	1	0	1	0	0	0	0	0	
## 28361	0	0	0	0	ø	0	1	ø	0	0	0	
## 28362	0	0	0	0	ø	0	0	ø	1	0	0	
## 28363	0	1	0	0	ø	0	0	ø	0	1	0	
## 28364	0	0	0	0	ø	1	0	0	0	0	0	
## 28365	0	0	0	1	0	1	0	0	0	0	0	
2000		•	0	_		-		U	J	U	U	

	28366	0	0	0	1	0	0	1	0	0	0	0
	28367	0	0	0	0	0	0	0	1	0	0	0
	28368	0	0	0	0	0	0	1	0	0	0	0
##	28369	0	0	0	0	0	0	0	1	0	0	0
##	28370	1	0	0	0	0	0	0	0	0	0	1
##	28371	0	0	1	0	0	1	0	0	0	0	0
##	28372	1	0	0	0	0	0	0	0	0	1	0
##	28373	0	0	1	0	0	0	0	0	0	1	0
##	28374	0	0	0	0	0	0	1	0	0	0	0
##	28375	0	1	0	0	1	0	0	0	0	0	0
	28376	1	0	0	0	0	0	0	0	0	1	0
##	28377	0	1	0	0	0	0	0	0	0	0	1
	28378	0	0	0	0	0	0	0	0	1	0	0
	28379	0	0	1	0	0	1	0	0	0	0	0
	28380	1	0	0	0	0	0	0	0	0	1	0
	28381	0	0	0	0	0	1	0	0	0	0	0
	28382	0	0	0	0	0	0	1	0	0	0	0
	28383	0	0	1	0	0	0	0	0	0	1	0
	28384	0	0	1	0	0	1	0	0	0	0	0
	28385	0	0	1	0	0	0	0	0	0	0	1
	28386	0	0			0					0	
	28387			0	0		0	0	0	1	-	0
		0	0	0	0	0	0	1	0	0	0	0
	28388	0	0	0	0	0	0	0	1	0	0	0
	28389	1	0	0	0	0	0	0	0	0	1	0
	28390	0	0	0	0	0	1	0	0	0	0	0
	28391	0	0	0	1	0	1	0	0	0	0	0
	28392	0	0	1	0	0	1	0	0	0	0	0
	28393	0	0	0	1	0	1	0	0	0	0	0
	28394	0	0	0	0	0	0	1	0	0	0	0
	28395	0	0	0	0	0	0	0	0	1	0	0
	28396	0	0	0	0	0	0	0	0	1	0	0
	28397	0	0	0	1	1	0	0	0	0	0	0
##	28398	0	0	0	0	0	0	0	1	0	0	0
##	28399	0	0	1	0	0	0	0	0	0	0	1
##	28400	0	0	0	1	1	0	0	0	0	0	0
##	28401	0	0	0	1	0	1	0	0	0	0	0
##	28402	0	1	0	0	0	0	0	0	0	0	1
##	28403	0	0	1	0	1	0	0	0	0	0	0
##	28404	0	0	0	0	0	0	0	0	1	0	0
##	28405	0	0	0	1	1	0	0	0	0	0	0
##	28406	0	0	0	0	0	0	0	0	1	0	0
	28407	0	0	0	0	0	0	0	0	0	1	0
	28408	0	0	0	1	1	0	0	0	0	0	0
	28409	0	0	0	1	0	1	0	0	0	0	0
	28410	0	1	0	0	0	0	0	0	0	0	1
	28411	0	0	0	0	0	0	1	0	0	0	0
	28412	0	0	1	0	0	0	0	0	0	0	1
	28413	0	0	0	1	0	0	0	0	0	0	1
	28414	0	0	0	1	0	1	0	0	0	0	0
	28414 28415	1	0	0	0	0	0	0	0	1	0	0
π#	2041)	_	U	U	U	U	U	U	U	_	U	J

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

## 20466	1	0	0	0	0	0	0	0	1	0	0	
## 28466	1	0	0	0	0	0	0	0	1	0	0	
## 28467	1	0	0	0	0	0	0	0	1	0	0	
## 28468	1	0	0	0	0	0	0	1	0	0	0	
## 28469	1	0	0	0	0	0	0	0	1	0	0	
## 28470	1	0	0	0	0	0	0	0	1	0	0	
## 28471	1	0	0	0	0	0	0	0	1	0	0	
## 28472	1	0	0	0	0	0	0	0	1	0	0	
## 28473	1	0	0	0	0	0	0	1	0	0	0	
## 28474	1	0	0	0	0	0	0	0	1	0	0	
## 28475	1	0	0	0	0	0	0	0	0	1	0	
## 28476	1	0	0	0	0	0	0	0	1	0	0	
## 28477	1	0	0	0	0	0	0	0	1	0	0	
## 28478	1	0	0	0	0	0	0	1	0	0	0	
## 28479	1	0	0	0	0	0	0	0	1	0	0	
## 28480	1	0	0	0	0	0	0	0	1	0	0	
## 28481	1	0	0	0	0	0	0	0	1	0	0	
## 28482	1	0	0	0	0	0	0	0	1	0	0	
## 28483	1	0	0	0	0	0	0	0	1	0	0	
## 28484	1	0	0	0	0	0	0	1	0	0	0	
## 28485	1	0	0	0	0	0	0	0	1	0	0	
## 28486	1	0	0	0	0	0	0	0	1	0	0	
## 28487	1	0	0	0	0	0	0	0	1	0	0	
## 28488	1	0	0	0	0	0	0	0	1	0	0	
## 28489	1	0	0	0	0	0	0	0	1	0	0	
## 28490	1	0	0	0	0	0	0	0	1	0	0	
## 28491	1	0	0	0	0	0	0	0	1	0	0	
## 28492	1	0	0	0	0	0	0	0	1	0	0	
## 28493	1	0	0	0	0	0	0	0	1	0	0	
## 28494	0	0	0	0	0	0	0	1	0	0	0	
## 28495	0	0	0	1	0	0	1	0	0	0	0	
## 28496	0	0	0	0	0	0	0	1	0	0	0	
## 28497	0	0	0	0	0	0	1	0	0	0	0	
## 28498	1	0	0	0	0	0	0	0	0	1	0	
## 28499	1	0	0	0	0	0	0	0	1	0	0	
## 28500	0	0	0	0	0	0	1	0	0	0	0	
## 28501	0	0	0	0	0	0	1	0	0	0	0	
## 28502	0	0	0	0	0	0	0	0	0	1	0	
## 28503	0	0	0	0	0	0	0	0	1	0	0	
## 28504	0	0	1	0	1	0	0	0	0	0	0	
## 28505	0	0	0	1	0	1	0	0	0	0	0	
## 28506	0	0	0	0	1	0	0	0	0	0	0	
## 28507	0	0	0	0	0	1	0	0	0	0	0	
## 28508	0	0	0	0	0	0	1	0	0	0	0	
## 28509	0	0	0	0	0	0	0	1	0	0	0	
## 28510	0	0	0	0	0	0	0	0	0	1	0	
## 28511	0	0	0	0	ø	ø	ø	1	0	0	0	
## 28512	1	0	0	0	ø	0	0	0	1	0	0	
## 28513	0	0	0	1	0	0	1	ø	0	0	0	
## 28514	ø	0	0	0	ø	0	1	0	0	0	0	
## 28515	0	0	1	0	0	1	0	0	0	0	0	
20010		J	_	U		-		U	J	U	U	

## 30F1 <i>C</i>	0	0	1	0	1	0	0	0	0	0	0	
## 28516	0	0	1	0	1	0	0	0	0	0	0	
## 28517	0	0	1	0	1	0	0	0	0	0	0	
## 28518	0	0	0	0	0	1	0	0	0	0	0	
## 28519	0	0	0	0	0	0	0	0	0	1	0	
## 28520	1	0	0	0	0	0	0	0	0	1	0	
## 28521	0	1	0	0	0	0	0	0	1	0	0	
## 28522	1	0	0	0	0	0	0	1	0	0	0	
## 28523	0	0	0	0	0	0	1	0	0	0	0	
## 28524	1	0	0	0	0	0	0	0	0	0	1	
## 28525	1	0	0	0	0	0	0	0	0	1	0	
## 28526	0	1	0	0	0	0	0	0	0	1	0	
## 28527	1	0	0	0	0	0	0	0	0	0	1	
## 28528	0	1	0	0	0	0	0	0	0	1	0	
## 28529	0	0	0	0	0	0	1	0	0	0	0	
## 28530	0	0	0	0	0	0	1	0	0	0	0	
## 28531	0	1	0	0	0	0	0	0	0	1	0	
## 28532	0	1	0	0	0	0	0	0	0	0	1	
## 28533	0	1	0	0	0	0	0	0	0	1	0	
## 28534	0	1	0	0	0	0	0	0	1	0	0	
## 28535	0	0	1	0	1	0	0	0	0	0	0	
## 28536	0	0	1	0	0	0	0	0	0	0	1	
## 28537	0	0	1	0	1	0	0	0	0	0	0	
## 28538	0	0	0	1	1	0	0	0	0	0	0	
## 28539	0	0	0	1	0	0	0	0	0	0	1	
## 28540	0	0	0	1	1	0	0	0	0	0	0	
## 28541	0	0	0	1	0	1	0	0	0	0	0	
## 28542	0	0	0	1	0	1	0	0	0	0	0	
## 28543	0	0	0	0	1	0	0	0	0	0	0	
## 28544	0	0	0	0	0	1	0	0	0	0	0	
## 28545	0	0	0	0	0	0	1	0	0	0	0	
## 28546	0	0	0	0	0	0	1	0	0	0	0	
## 28547	0	0	0	0	0	0	0	0	1	0	0	
## 28548	0	0	0	0	0	0	0	0	1	0	0	
## 28549	0	0	0	0	0	0	0	1	0	0	0	
## 28550	0	0	0	0	0	0	0	1	0	0	0	
## 28551	0	0	0	0	0	0	0	0	1	0	0	
## 28552	1	0	0	0	0	0	0	0	0	1	0	
## 28553	0	1	0	0	1	0	0	0	0	0	0	
## 28554	0	0	1	0	0	0	0	0	0	0	1	
## 28555	0	0	0	1	0	0	1	0	0	0	0	
## 28556	0	0	0	0	1	0	0	0	0	0	0	
## 28557	0	0	0	0	0	1	0	0	0	0	0	
## 28558	0	0	0	0	0	1	0	0	0	0	0	
## 28559	0	0	0	ø	ø	0	1	0	0	0	0	
## 28560	0	0	0	ø	ø	0	0	0	0	1	0	
## 28561	1	0	0	0	0	0	0	0	0	1	0	
## 28562	1	0	0	0	0	0	0	0	1	0	0	
## 28563	1	0	0	0	0	0	0	0	0	1	0	
## 28564	1	0	0	0	0	0	0	0	0	0	1	
## 28565	0	1	0	0	0	0	0	0	0	0	1	
20005	•	_	0			J		U	J	U	_	

## 20566	0	1	0	0	0	0	α	0	0	1	0	
## 28566	0	1 1	0	0	0	0	0	0	0	1	0	
## 28567	0		0	0	0	0	0	0	1	0	0	
## 28568	0	1	0	0	1	0	0	0	0	0	0	
## 28569	0	0	1	0	0	1	0	0	0	0	0	
## 28570	0	0	1	0	1	0	0	0	0	0	0	
## 28571	0	0	1	0	0	1	0	0	0	0	0	
## 28572	0	0	1	0	0	1	0	0	0	0	0	
## 28573	0	0	0	1	0	1	0	0	0	0	0	
## 28574	0	0	0	1	1	0	0	0	0	0	0	
## 28575	0	0	0	0	0	1	0	0	0	0	0	
## 28576	0	0	0	0	0	1	0	0	0	0	0	
## 28577	0	0	0	0	0	0	1	0	0	0	0	
## 28578	0	0	0	0	0	1	0	0	0	0	0	
## 28579	0	0	0	0	0	0	1	0	0	0	0	
## 28580	0	0	0	0	0	0	0	1	0	0	0	
## 28581	0	0	0	0	0	0	0	0	0	1	0	
## 28582	0	0	0	0	0	0	0	1	0	0	0	
## 28583	0	0	0	0	0	0	0	1	0	0	0	
## 28584	1	0	0	0	0	0	0	1	0	0	0	
## 28585	1	0	0	0	0	0	0	0	0	0	1	
## 28586	1	0	0	0	0	0	0	1	0	0	0	
## 28587	0	1	0	0	0	0	0	0	1	0	0	
## 28588	0	1	0	0	0	0	0	0	1	0	0	
## 28589	0	0	0	0	0	0	0	1	0	0	0	
## 28590	0	0	0	0	0	0	1	0	0	0	0	
## 28591	0	1	0	0	0	0	0	0	0	0	1	
## 28592	0	0	1	0	0	1	0	0	0	0	0	
## 28593	0	0	1	0	0	0	0	0	0	0	1	
## 28594	0	0	1	0	0	1	0	0	0	0	0	
## 28595	0	0	1	0	1	0	0	0	0	0	0	
## 28596	0	0	1	0	0	1	0	0	0	0	0	
## 28597	0	0	0	1	1	0	0	0	0	0	0	
## 28598	0	0	0	1	1	0	0	0	0	0	0	
## 28599	0	0	0	0	0	0	0	1	0	0	0	
## 28600	0	0	0	0	0	1	0	0	0	0	0	
## 28601	0	0	0	0	0	0	1	0	0	0	0	
## 28602	0	0	0	0	0	0	1	0	0	0	0	
## 28603	0	0	0	0	0	1	0	0	0	0	0	
## 28604	0	0	0	0	0	0	1	0	0	0	0	
## 28605	0	0	0	0	0	0	0	1	0	0	0	
## 28606	0	0	0	0	0	0	0	0	1	0	0	
## 28607	0	0	0	0	0	0	0	0	0	1	0	
## 28608	0	0	0	0	0	0	0	1	0	0	0	
## 28609	1	0	0	0	ø	ø	ø	0	0	1	0	
## 28610	0	0	0	0	ø	0	0	ø	1	0	0	
## 28611	1	0	0	0	0	0	0	0	0	0	1	
## 28612	1	0	0	0	0	0	0	0	1	0	0	
## 28613	0	1	0	0	0	0	0	0	1	0	0	
## 28614	0	1	0	0	1	0	0	0	0	0	0	
## 28615	0	0	1	0	1	0	0	0	0	0	0	
"" 20013	9	9	_	J	_	J	J	J	9	9	U	

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

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

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

## 28766	0	0	0	0	0	0	0	1	0	0	0	
## 28767	0	0	0	0	0		1	1 0	0	0	0	
						0						
## 28768	0	0	0	1	1	0	0	0	0	0	0	
## 28769	1	0	0	0	0	0	0	0	0	0	1	
## 28770	1	0	0	0	0	0	0	0	0	1	0	
## 28771	1	0	0	0	0	0	0	0	1	0	0	
## 28772	0	0	0	0	0	0	0	0	1	0	0	
## 28773	0	0	0	0	0	0	0	0	0	1	0	
## 28774	0	0	1	0	1	0	0	0	0	0	0	
## 28775	1	0	0	0	0	0	0	0	0	1	0	
## 28776	0	0	1	0	1	0	0	0	0	0	0	
## 28777	0	0	1	0	1	0	0	0	0	0	0	
## 28778	0	0	0	0	0	0	0	1	0	0	0	
## 28779	0	0	1	0	0	0	0	0	0	0	1	
## 28780	0	0	0	1	0	1	0	0	0	0	0	
## 28781	0	1	0	0	0	0	0	0	0	0	1	
## 28782	0	0	0	0	0	0	1	0	0	0	0	
## 28783	0	0	0	0	0	0	0	1	0	0	0	
## 28784	0	0	0	0	0	0	0	0	1	0	0	
## 28785	0	0	0	1	0	0	1	0	0	0	0	
## 28786	0	1	0	0	0	0	0	0	0	0	1	
## 28787	1	0	0	0	0	0	0	0	0	1	0	
## 28788	0	0	0	1	0	1	0	0	0	0	0	
## 28789	0	0	0	1	0	1	0	0	0	0	0	
## 28790	0	0	0	0	0	0	1	0	0	0	0	
## 28791	1	0	0	0	0	0	0	1	0	0	0	
## 28792	1	0	0	0	0	0	0	1	0	0	0	
## 28793	0	0	0	0	0	0	1	0	0	0	0	
## 28794	0	0	1	0	0	0	0	0	0	1	0	
## 28795	1	0	0	0	0	0	0	0	1	0	0	
## 28796	1	0	0	0	0	0	0	0	0	0	1	
## 28797	0	0	0	0	0	0	0	0	1	0	0	
## 28798	0	1	0	0	0	0	0	0	0	0	1	
## 28799	0	1	0	0	1	0	0	0	0	0	0	
## 28800	0	0	1	0	0	1	0	0	0	0	0	
## 28801	0	0	0	1	0	1	0	0	0	0	0	
## 28802	0	0	0	0	0	1	0	0	0	0	0	
## 28803	0	0	0	0	0	1	0	0	0	0	0	
## 28804	0	0	0	0	0	0	0	1	0	0	0	
## 28805	0	0	0	0	0	0	0	0	1	0	0	
## 28806	1	0	0	0	0	0	0	0	1	0	0	
## 28807	1	0	0	0	0	0	0	0	1	0	0	
## 28808	1	0	0	0	0	0	0	0	1	0	0	
## 28809	0	1	0	0	0	0	0	0	0	0	1	
## 28810	0	1	0	0	0	0	0	0	0	0	1	
## 28811	0	0	0	0	1	0	0	0	0	0	0	
## 28812	0	0	0	0	0	1	0	0	0	0	0	
## 28813	0	0	0	0	0	0	1	0	0	0	0	
## 28814	0	0	0	0	0	1	0	0	0	0	0	
## 28815	0	0	0	0	0	0	1	0	0	0	0	

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

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

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

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

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

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

## 29116	0	0	0	0	0	0	0	0	1	0	0	
## 29117	1	0	0	0	0	0	0	0	0	0	1	
## 29118	0	1	0	0	0	0	0	0	1	0	0	
## 29119	0	0	1	0	1	0	0	0	0	0	0	
## 29120	0	0	0	1	0	0	0	0	0	0	1	
## 29121	0	0	0	0	0	0	0	0	0	1	0	
## 29122	0	0	1	0	0	0	0	0	0	1	0	
## 29123	0	0	1	0	1	0	0	0	0	0	0	
## 29124	0	0	0	0	0	0	0	1	0	0	0	
## 29125	0	0	0	0	0	0	0	1	0	0	0	
## 29126	0	1	0	0	0	0	0	0	0	1	0	
## 29127	0	0	0	0	0	0	1	0	0	0	0	
## 29128	0	0	0	ø	ø	0	0	1	0	0	0	
## 29129	1	0	0	0	0	0	0	0	1	0	0	
## 29130	0	0	1	0	0	0	0	0	0	0	1	
## 29131	0	0	0	0	1	0	0	0	0	0	0	
## 29132	0	0	0	0	0	1	0	0	0	0	0	
## 29133	0	0	0	0	0	0	0	1	0	0	0	
## 29134	1	0	0	0	0	0	0	0	0	0	1	
## 29135	0	1	0	0	0	0	0	0	0	0	1	
## 29136	0	0	0	0	0	0	0	0	1	0	0	
## 29137	0	1	0	0	0	0	0	0	0	0	1	
## 29138	0	0	0	1	1	0	0	0	0	0	0	
				1								
	0	0	0		0	0	0	0	0	0	1	
## 29140	0	0	0	1	0	1	0	0	0	0	0	
## 29141	0	0	0	0	0	0	0	1	0	0	0	
## 29142	1	0	0	0	0	0	0	0	1	0	0	
## 29143	0	0	0	0	0	0	0	0	1	0	0	
## 29144	1	0	0	0	0	0	0	0	0	1	0	
## 29145	0	1	0	0	0	0	0	0	1	0	0	
## 29146	0	1	0	0	1	0	0	0	0	0	0	
## 29147	0		1	0	1				0	0		
		0				0	0	0			0	
## 29148	0	0	0	0	1	0	0	0	0	0	0	
## 29149	0	0	0	0	0	0	1	0	0	0	0	
## 29150	0	0	0	0	0	0	0	0	1	0	0	
## 29151	0	0	1	0	1	0	0	0	0	0	0	
## 29152	0	0	0	1	0	1	0	0	0	0	0	
## 29153	0	0	0	0	0	0	1	0	0	0	0	
## 29154	0	0	0	0	0	0	0	1	0	0	0	
## 29155	0	0	0	0	0	0	0	0	1	0	0	
## 29156	0	0	0	1	0	0	1	0	0	0	0	
## 29157	0	0	0	1	0	1	0	0	0	0	0	
## 29158	0	0	0	0	0	0	1	0	0	0	0	
## 29159	0	0	0	0	0	0	0	0	1	0	0	
## 29160			0	0	0	0	0			0		
	0	0						0	1		0	
## 29161	1	0	0	0	0	0	0	0	0	0	1	
## 29162	0	0	1	0	1	0	0	0	0	0	0	
## 29163	0	0	0	0	0	1	0	0	0	0	0	
## 29164	0	0	0	0	0	0	0	0	1	0	0	
## 29165	0	0	0	0	0	0	1	0	0	0	0	
. =	_	-	-	-	-	-	_	-	-	-	-	

## 29166	0	0	0	0	0	0	0	0	1	0	0	
## 29167	1	0	0	0	0	0	0	0	0	1	0	
## 29168		0	0	0	0	0	0	0	0	1	0	
## 29169		0	0	0	1	0	0	0	0	0	0	
## 29170	0	0	1	0	0	1	0	0	0	0	0	
## 29171	0	0	0	1	1	0	0	0	0	0	0	
## 29172	0	1	0	0	0	0	0	0	0	1	0	
## 29173	0	1	0	0	0	0	0	0	0	0	1	
## 29174		0	0	1	0	0	1	0	0	0	0	
## 29175	0	0	0	0	0	0	0	0	0	1	0	
## 29176	0	0	0	0	0	0	1	0	0	0	0	
## 29177	1	0	0	0	0	0	0	0	0	0	1	
## 29178		0	0	0	0	1	0	0	0	0	0	
## 29179		1	0	0	ø	0	0	0	1	0	0	
## 29180		0	0	1	0	1	0	0	0	0	0	
## 29181	0	0	0	0	0	0	1	0	0	0	0	
## 29182	0	0	0	0	0	0	0	1	0	0	0	
## 29183	1	0	0	0	0	0	0	0	0	1	0	
## 29184	1	0	0	0	0	0	0	0	1	0	0	
## 29185		0	0	1	0	0	1	0	0	0	0	
## 29186			0	0	0	0	0		0	1	0	
		0						0				
## 29187	0	0	0	0	1	0	0	0	0	0	0	
## 29188	0	0	0	0	0	0	0	1	0	0	0	
## 29189	1	0	0	0	0	0	0	0	0	0	1	
## 29190	1	0	0	0	0	0	0	0	0	1	0	
## 29191	0	0	0	0	0	0	0	1	0	0	0	
## 29192		0	0	0	0	0	0	0	1	0	0	
## 29193		0	1	0	ø	0	0	0	0	1	0	
## 29194		0	0	0	0	0	1	0	0	0	0	
## 29195		0	0	0	0	0	0	0	1	0	0	
## 29196	0	0	1	0	0	1	0	0	0	0	0	
## 29197	0	0	1	0	1	0	0	0	0	0	0	
## 29198	0	0	0	1	0	0	1	0	0	0	0	
## 29199		0	0	0	0	0	0	0	1	0	0	
## 29200		0	0	ø	ø	1	ø	0	0	0	0	
## 29201		1	0	0	0	0	0	0	1	0	0	
## 29202		1	0	0	0	0	0	0	0	0	1	
## 29203		0	1	0	1	0	0	0	0	0	0	
## 29204	0	0	0	1	0	1	0	0	0	0	0	
## 29205	0	0	0	1	0	0	0	0	0	0	1	
## 29206		0	0	0	0	0	0	0	0	1	0	
## 29207		0	0	0	0	0	0	0	0	0	1	
## 29208		0	0	0	0	0	1	0	0	0	0	
## 29209		0	0	0	0	0	0	1	0	0	0	
## 29210		0	0	0	0	0	0	0	0	1	0	
## 29211	0	0	0	0	0	0	1	0	0	0	0	
## 29212	0	1	0	0	1	0	0	0	0	0	0	
## 29213		0	0	0	0	0	0	0	0	0	1	
## 29214		0	1	0	ø	0	0	0	0	0	1	
## 29214							0		0		0	
## 29215	0	0	0	0	0	0	Ø	1	Ø	0	О	

## 29216	0	0	0	0	0	0	1	0	0	0	0	
## 29217	0	0	0	0	0	0	0	0	0	1	0	
## 29218	0	1	0	0	0	0	0	0	0	1	0	
## 29219	0	0	1	0	0	0	0	0	0	1	0	
## 29220	0	0	0	0	0	0	0	0	1	0	0	
## 29221	0	0	0	0	0	0	1	0	0	0	0	
## 29222	1	0	0	0	0	0	0	0	1	0	0	
## 29223			0	ø					0			
	0	0			0	0	0	1		0	0	
## 29224	1	0	0	0	0	0	0	1	0	0	0	
## 29225	1	0	0	0	0	0	0	0	0	1	0	
## 29226	0	1	0	0	0	0	0	0	0	1	0	
## 29227	0	0	1	0	1	0	0	0	0	0	0	
## 29228	ø	0	0	1	0	1	0	ø	ø	0	0	
## 29229	0	0	0	1	1	0	0	0	0	0	0	
## 29230	0	0	0	1	0	0	1	0	0	0	0	
## 29231	0	0	0	0	0	0	0	1	0	0	0	
## 29232	0	0	0	0	0	0	1	0	0	0	0	
## 29233	0	0	0	0	0	0	0	0	0	1	0	
## 29234	1	0	0	0	0	0	0	0	0	0	1	
## 29235	1	0	0	0	0	0	0	0	0	1	0	
## 29236	0	0	0	0	0	1	0	0	0	0	0	
## 29237	1	0	0	0	0	0	0	0	0	1	0	
## 29238	1	0	0	0	0	0	0	0	0	0	1	
## 29239	0	0	0	0		0	1	0	0	0	0	
					0							
## 29240	1	0	0	0	0	0	0	0	0	1	0	
## 29241	0	1	0	0	0	0	0	0	0	1	0	
## 29242	0	1	0	0	0	0	0	0	1	0	0	
## 29243	0	0	1	0	0	1	0	0	0	0	0	
## 29244	0	1	0	0	0	0	0	0	0	1	0	
## 29245	0	0	0	1	1	0	0	0	0	0	0	
## 29246	0	0	0	1	1	0	0	0	0	0	0	
## 29247	0	0	0	0	0	0	0	1	0	0	0	
## 29248	0	0	0	0	0	0	0	1	0	0	0	
## 29249	0	0	0	0	0	0	0	0	1	0	0	
## 29250	0	0	0	0	0	0	0	0	0	1	0	
## 29251	0	0	0	1	1	0	0	0	0	0	0	
## 29252	0	0	0	0	0	0	0	1	0	0	0	
## 29253	0	1	0	0	0	0	0	0	0	0	1	
## 29254	0	0	1	ø	ø	0	ø	ø	0	1	0	
## 29255	0	0	1	0	0	0	0	0	0	0	1	
## 29256	0	0	0	0	0	1	0	0	0	0	0	
## 29257	0	0	0	0	0	0	1	0	0	0	0	
## 29258	0	0	0	0	0	0	0	0	1	0	0	
## 29259	0	0	0	0	0	0	1	0	0	0	0	
## 29260	0	0	0	ø	0	0	0	1	0	0	0	
## 29261	0	0	0	0	0	0	0	0	1	0	0	
## 29262	0	0	0	1	0	0	0	0	0	0	1	
## 29263	0	0	0	1	1	0	0	0	0	0	0	
## 29264	1	0	0	0	0	0	0	0	1	0	0	
## 29265	0	1	0	0	1	0	0	0	0	0	0	

## 20266	ο	0	1	0	1	0	0	0	0	0	0	
## 29266 ## 29267	0	0	1	0	1	0	0	0	0	0	0	
	0	0	0	1	1	0	0	0	0	0	0	
## 29268	0	0	0	0	0	0	0	1	0	0	0	
## 29269	0	0	0	0	0	0	0	1	0	0	0	
## 29270	0	1	0	0	0	0	0	0	0	0	1	
## 29271	0	1	0	0	0	0	0	0	1	0	0	
## 29272	1	0	0	0	0	0	0	1	0	0	0	
## 29273	0	0	1	0	0	0	0	0	0	1	0	
## 29274	0	0	1	0	1	0	0	0	0	0	0	
## 29275	0	0	0	1	0	1	0	0	0	0	0	
## 29276	0	0	0	0	0	0	0	1	0	0	0	
## 29277	1	0	0	0	0	0	0	0	0	0	1	
## 29278	0	1	0	0	0	0	0	0	1	0	0	
## 29279	0	1	0	0	0	0	0	0	0	0	1	
## 29280	0	0	0	1	0	0	0	0	0	0	1	
## 29281	0	0	0	0	0	0	0	1	0	0	0	
## 29282	0	0	0	0	0	0	0	0	1	0	0	
## 29283	1	0	0	0	0	0	0	0	1	0	0	
## 29284	0	1	0	0	1	0	0	0	0	0	0	
## 29285	0	0	0	0	0	1	0	0	0	0	0	
## 29286	0	0	0	0	0	0	0	0	1	0	0	
## 29287	1	0	0	0	0	0	0	0	1	0	0	
## 29288	0	0	1	0	0	1	0	0	0	0	0	
## 29289	1	0	0	0	0	0	0	0	1	0	0	
## 29290	0	1	0	0	1	0	0	0	0	0	0	
## 29291	0	0	1	0	0	0	0	0	0	0	1	
## 29292	0	0	0	0	0	0	0	1	0	0	0	
## 29293	0	1	0	0	1	0	0	0	0	0	0	
## 29294	0	1	0	0	0	0	0	0	0	1	0	
## 29295	1	0	0	0	0	0	0	1	0	0	0	
## 29296	1	0	0	0	0	0	0	1	0	0	0	
## 29297	0	1	0	0	0	0	0	0	0	0	1	
## 29298	0	0	0	0	0	0	0	0	1	0	0	
## 29299	1	0	0	0	0	0	0	0	1	0	0	
## 29300	0	1	0	0	0	0	0	0	0	0	1	
## 29301	0	0	1	0	0	0	0	0	0	1	0	
## 29302	0	0	0	1	1	0	0	0	0	0	0	
## 29303	0	0	0	0	0	0	0	0	1	0	0	
## 29304	0	0	1	0	0	0	0	0	0	0	1	
## 29305	0	0	0	1	1	0	0	0	0	0	0	
## 29306	0	0	0	0	1	0	0	0	0	0	0	
## 29307	0	0	0	0	0	0	0	0	0	1	0	
## 29308	1	0	0	0	0	0	0	0	1	0	0	
## 29309	0	1	0	ø	ø	0	ø	ø	0	0	1	
## 29310	0	1	0	0	ø	0	0	ø	0	0	1	
## 29310	0	0	0	0	0	1	0	0	0	0	0	
## 29312	0	0	0	0	ø	0	0	ø	0	1	0	
## 29312	0	0	0	0	0	0	0	0	1	0	0	
## 29313	1	0	0	0	0	0	0	0	0	1	0	
## 29315	0	1	0	0	0	0	0	0	0	1	0	
111 27717	J	_	J	J	J	9	J	J	J	_	J	

##	29316	0	0	1	0	1	0	0	0	0	0	0
##	29317	0	0	0	0	0	0	1	0	0	0	0
##	29318	0	1	0		0	0	0	0	0	1	
					0							0
##	29319	0	0	1	0	1	0	0	0	0	0	0
##	29320	0	0	1	0	0	0	0	0	0	0	1
##	29321	1	0	0	0	0	0	0	0	0	1	0
	29322	0	0	1	0	0	0	0	0	0	1	0
	29323			0			0		0	0	0	
		0	0		1	0		0				1
	29324	0	0	0	1	0	1	0	0	0	0	0
##	29325	0	0	0	0	0	1	0	0	0	0	0
##	29326	0	0	0	0	0	0	1	0	0	0	0
	29327	0	1	0	0	0	0	0	0	0	1	0
	29328	0	0	1	0	0	0	0	0	0	0	1
##	29329	0	0	1	0	1	0	0	0	0	0	0
##	29330	0	0	0	1	0	0	1	0	0	0	0
##	29331	0	0	0	0	0	0	0	0	1	0	0
##	29332	0	0	0	0	0	0	0	1	0	0	0
##	29333	1	0	0	0	0	0	0	0	0	1	0
##	29334	0	0	1	0	0	0	0	0	0	1	0
##	29335	0	0	0	0	0	0	1	0	0	0	0
##	29336	0	0	0	0	0	1	0	0	0	0	0
	29337	0	0	0	0	0	0	0	0	1	0	0
	29338	1	0	0	0	0	0	0	0	0	1	0
	29339	0	0	0	1	0	1	0	0	0	0	0
##	29340	0	0	0	0	0	0	0	1	0	0	0
##	29341	0	0	0	0	0	0	1	0	0	0	0
	29342	0	0	0	0	0	0	0	0	1	0	0
	29343			0	0		0					
		0	0			0		0	1	0	0	0
##	29344	1	0	0	0	0	0	0	1	0	0	0
##	29345	1	0	0	0	0	0	0	0	0	1	0
##	29346	0	1	0	0	0	0	0	0	0	1	0
##	29347	0	0	0	0	0	0	1	0	0	0	0
##	29348	0	0	0	0	0	1	0	0	0	0	0
##	29349	0	0	0	0	0	0	1	0	0	0	0
##	29350	0	0	0	1	0	1	0	0	0	0	0
##	29351	0	0	0	0	0	0	0	0	1	0	0
##	29352	0	0	0	0	0	0	1	0	0	0	0
##	29353	0	1	0	0	0	0	0	0	0	0	1
	29354	0	0	0	0	0	0	1	0	0	0	0
	29355	0	0	0	0	0	0	0	0	1	0	0
##	29356	0	0	0	0	0	0	0	0	1	0	0
##	29357	1	0	0	0	0	0	0	0	0	1	0
	29358	0	1	0	0	0	0	0	0	0	1	0
	29359											
		0	0	1	0	0	0	0	0	0	0	1
	29360	0	0	1	0	0	0	0	0	0	0	1
##	29361	0	0	1	0	1	0	0	0	0	0	0
##	29362	0	0	0	0	1	0	0	0	0	0	0
	29363	0	0	0	0	0	0	0	0	1	0	0
	29364	0	0	0	0	0	0	0	1	0	0	0
##	29365	1	0	0	0	0	0	0	0	0	1	0

		_	_	_	_	_	_	_	_	_	_	_
##	29366	1	0	0	0	0	0	0	1	0	0	0
##	29367	0	0	0	0	1	0	0	0	0	0	0
##	29368	0	0	0	0	0	1	0	0	0	0	0
##	29369	0	0	0	0	0	0	1	0	0	0	0
##	29370	0	0	1	0	0	0	0	0	0		0
											1	
	29371	0	0	1	0	0	0	0	0	0	0	1
	29372	0	0	0	1	0	1	0	0	0	0	0
##	29373	0	0	0	1	0	1	0	0	0	0	0
##	29374	0	0	0	0	1	0	0	0	0	0	0
	29375	0	0	0	0	0	0	1	0	0	0	0
	29376	0	0	0	0	0	0	_ 1	0	0	0	0
	29377				0	0					0	
		0	0	0			0	1	0	0		0
	29378	0	0	0	0	0	0	0	0	1	0	0
	29379	0	0	0	0	0	0	0	1	0	0	0
##	29380	1	0	0	0	0	0	0	0	1	0	0
##	29381	0	1	0	0	0	0	0	0	1	0	0
##	29382	0	0	0	0	0	0	0	1	0	0	0
##	29383	0	0	0	0	0	0	0	0	0	1	0
	29384	0	1	0	0	0	0	0	0	0	0	1
	29385	0		0	1	1	0	0		0	0	0
			0						0			
	29386	1	0	0	0	0	0	0	0	1	0	0
	29387	0	0	0	0	1	0	0	0	0	0	0
##	29388	0	0	0	0	0	1	0	0	0	0	0
##	29389	0	0	1	0	0	0	0	0	0	0	1
##	29390	0	0	0	0	0	1	0	0	0	0	0
##	29391	1	0	0	0	0	0	0	1	0	0	0
	29392	0	0	0	0	0	0	0	1	0	0	0
	29393	1	0	0	0	0	0	0	0	1	0	0
	29394	0	1	0	0	0	0	0	0	0		0
											1	
##	29395	0	0	1	0	0	1	0	0	0	0	0
##	29396	0	0	0	0	0	0	1	0	0	0	0
##	29397	0	0	0	0	0	0	0	0	1	0	0
##	29398	1	0	0	0	0	0	0	1	0	0	0
##	29399	0	0	0	0	0	0	1	0	0	0	0
##	29400	1	0	0	0	0	0	0	0	1	0	0
##	29401	1	0	0	0	0	0	0	0	0	1	0
	29402	0	1	0	0	0	0	0	0	0	1	0
	29403	0	0	1	0	1	0	0	0	0	0	0
	29404	0	0	1	0	0	1	0	0	0	0	0
	29405	0	0	1	0	0	1	0	0	0	0	0
	29406	0	0	0	1	1	0	0	0	0	0	0
	29407	0	0	0	0	0	1	0	0	0	0	0
	29408	0	0	0	0	0	0	0	1	0	0	0
##	29409	0	0	0	0	0	1	0	0	0	0	0
	29410	0	0	0	0	0	0	0	1	0	0	0
	29411	1	0	0	0	0	0	0	0	0	1	0
	29412	0	1	0	0	0	0	0	0	0	1	0
	29412											
		0	0	1	0	0	0	0	0	0	0	1
	29414	0	0	0	1	1	0	0	0	0	0	0
##	29415	0	0	0	1	0	0	1	0	0	0	0

20446	•	•	•	4	•		•	•	•	•	•	
## 29416	0	0	0	1	0	1	0	0	0	0	0	
## 29417	0	0	0	0	0	0	1	0	0	0	0	
## 29418	0	0	0	0	0	1	0	0	0	0	0	
## 29419	0	0	0	0	0	0	1	0	0	0	0	
## 29420	0	0	0	0	0	0	0	0	1	0	0	
## 29421	1	0	0	0	0	0	0	0	0	0	1	
## 29422	1	0	0	0	0	0	0	0	1	0	0	
## 29423	0	1	0	0	0	0	0	0	0	0	1	
## 29424	0	0	1	0	0	0	0	0	0	1	0	
## 29425	0	0	1	0	1	0	ø	ø	0	0	0	
## 29426	0	0	1	0	0	0	0	0	0	0	1	
## 29427	0	0	0	1	1	0	0	0	0	0	0	
## 29428	0	0	0	0	0	0	0	1	0	0	0	
## 29429	0	0	0	0	0	0	0	1	0	0	0	
## 29430	0	0	0	0	0	0	0	0	0	1	0	
## 29431	1	0	0	0	0	0	0	0	0	1	0	
## 29432	0	1	0	0	0	0	0	0	0	1	0	
## 29433	0	1	0	0	1	0	0	0	0	0	0	
## 29434	0	0	1	0	0	0	0	0	0	0	1	
## 29435	0	0	1	0	0	1	0	0	0	0	0	
## 29436	0	0	1	0	0	0	0	0	0	0	1	
## 29437	0	0	0	1	0	0	0	0	0	0	1	
## 29438	0	0	0	0	0	0	1	0	0	0	0	
## 29439	0	0	0	0	0	1	0	0	0	0	0	
## 29440	0	0	0		0	0				0	0	
				0			1	0	0			
## 29441	0	0	0	0	0	0	0	0	1	0	0	
## 29442	0	0	0	0	0	0	0	1	0	0	0	
## 29443	0	0	0	0	0	0	0	0	0	1	0	
## 29444	0	1	0	0	0	0	0	0	1	0	0	
## 29445	0	1	0	0	0	0	0	0	0	0	1	
## 29446	0	0	1	0	0	0	0	0	0	1	0	
## 29447	0	0	1	0	1	0	0	0	0	0	0	
## 29448	0	0	0	1	0	0	0	0	0	0	1	
## 29449	0	0	0	1	0	0	1	0	0	0	0	
## 29450	0	0	0	0	0	0	1	0	0	0	0	
## 29451	1	0	0	0	0	0	0	0	1	0	0	
## 29452	0	1	0	0	1	0	0	0	0	0	0	
## 29453	0	0	1	0	0	1	0	ø	0	0	0	
## 29454	0	0	0	1	0	1	0	0	0	0	0	
## 29455	0	0	0	0	0	1	0	0	0		0	
										0		
## 29456	0	1	0	0	0	0	0	0	1	0	0	
## 29457	0	1	0	0	0	0	0	0	1	0	0	
## 29458	0	1	0	0	1	0	0	0	0	0	0	
## 29459	0	0	1	0	0	0	0	0	0	0	1	
## 29460	0	0	0	0	0	0	1	0	0	0	0	
## 29461	1	0	0	0	0	0	0	0	0	1	0	
## 29462	0	0	0	0	0	0	0	0	1	0	0	
## 29463	0	0	0	0	0	0	0	1	0	0	0	
## 29464	0	0	0	0	0	0	0	0	1	0	0	
## 29465	0	0	0	0	0	0	0	1	0	0	0	

	20455	_	_	_	_	•	_	_	_	•	_	•
	29466	0	0	0	0	0	0	1	0	0	0	0
##	29467	0	0	0	0	0	0	0	1	0	0	0
##	29468	0	0	0	1	0	0	1	0	0	0	0
##	29469	0	0	0	0	0	0	0	1	0	0	0
##	29470	0	0	0	0	0	0	1	0	0	0	0
##	29471	0	0	0	0	0	0	1	0	0	0	0
##	29472	0	0	0	0	1	0	0	0	0	0	0
	29473	0	0	0	0	0	0	1	0	0	0	0
##	29474	1	0	0	0	0	0	0	0	0	1	0
##	29475	1	0	0	0	0	0	0	0	0	0	1
	29476	1	0	0	0	0	0	0	0	0	1	0
	29477	1	0	0	0	0	0	0			0	1
									0	0		
	29478	0	1	0	0	1	0	0	0	0	0	0
	29479	0	0	1	0	0	0	0	0	0	0	1
##	29480	0	0	1	0	0	0	0	0	0	0	1
##	29481	0	0	0	0	0	0	1	0	0	0	0
##	29482	0	0	0	0	0	0	1	0	0	0	0
##	29483	0	1	0	0	0	0	0	0	0	1	0
##	29484	0	0	1	0	0	1	0	0	0	0	0
##	29485	0	0	0	0	0	0	0	0	1	0	0
##	29486	0	0	0	0	0	0	0	1	0	0	0
##	29487	1	0	0	0	0	0	0	0	0	1	0
##	29488	0	0	0	0	0	0	0	1	0	0	0
	29489	1	0	0	0	0	0	0	1	0	0	0
	29490	0	0	0	0	0	0	0	1	0	0	0
	29491	0	0	0	0	0	0	1	0	0	0	0
	29491											
		0	0	0	0	0	0	1	0	0	0	0
##	29493	0	0	0	0	0	1	0	0	0	0	0
##	29494	0	0	0	0	0	1	0	0	0	0	0
##	29495	0	0	0	0	0	0	0	1	0	0	0
##	29496	0	0	0	0	0	0	0	1	0	0	0
##	29497	0	0	0	0	0	0	1	0	0	0	0
##	29498	0	0	0	0	0	0	0	0	1	0	0
##	29499	0	0	0	0	0	0	1	0	0	0	0
##	29500	0	0	0	0	0	0	0	0	1	0	0
##	29501	0	0	0	0	0	0	0	1	0	0	0
##	29502	1	0	0	0	0	0	0	0	1	0	0
##	29503	1	0	0	0	0	0	0	0	1	0	0
	29504	1	0	0	0	0	0	0	0	0	1	0
	29505	0	1	0	0	0	0	0	0	0	1	0
	29506	0	1	0	0	0	0	0	0	0	0	1
	29507	0	1	0	0	0	0	0	0	0	1	0
	29508	0	1	0	0	0	0	0	0	1	0	0
	29500	0	1	0	0	0	0	0	0	1	0	
												0
	29510	0	1	0	0	0	0	0	0	0	0	1
	29511	0	1	0	0	0	0	0	0	0	0	1
	29512	0	0	1	0	1	0	0	0	0	0	0
	29513	0	0	1	0	1	0	0	0	0	0	0
	29514	0	0	1	0	0	0	0	0	0	0	1
##	29515	0	0	1	0	0	1	0	0	0	0	0

## 20F1 <i>C</i>	^	0	^	1	0	0	0	0	0	^	4	
## 29516	0	0	0	1	0	0	0	0	0	0	1	
## 29517	0	0	0	1	1	0	0	0	0	0	0	
## 29518	0	0	0	1	1	0	0	0	0	0	0	
## 29519	0	0	0	1	0	1	0	0	0	0	0	
## 29520	0	0	0	0	0	0	1	0	0	0	0	
## 29521	0	0	0	0	0	1	0	0	0	0	0	
## 29522	0	0	0	0	0	0	0	1	0	0	0	
## 29523	0	0	0	0	0	0	0	1	0	0	0	
## 29524	0	0	0	0	0	1	0	0	0	0	0	
## 29525	0	0	0	0	0	0	1	0	0	0	0	
## 29526	0	0	0	0	0	0	1	0	0	0	0	
## 29527	0	0	0	0	0	0	1	0	0	0	0	
## 29528	0	0	0	0	0	1	0	0	0	0	0	
## 29529	0	0	0	0	0	0	1	0	0	0	0	
## 29530	0	0	0	0	0	0	1	0	0	0	0	
## 29531	0	0	0	0	0	0	0	0	1	0	0	
## 29532	0	0	0	0	0	0	0	0	0	1	0	
## 29533	0	0	0	0	0	0	0	1	0	0	0	
## 29534	0	0	0	0	0	0	0	0	1	0	0	
## 29535	0	0	0	0	0	0	0	0	1	0	0	
## 29536	0	0	0	0	0	0	0	0	1	0	0	
## 29537	1	0	0	0	0	0	0	0	0	1	0	
## 29538	1	0	0	0	0	0	0	0	0	1	0	
## 29539	1	0	0	0	0	0	0	0	0	1	0	
## 29540	1	0	0	0	0	0	0	1	0	0	0	
## 29541	1	0	0	0	0	0	0	0	1	0	0	
## 29542	0	1	0	0	0	0	0	0	0	1	0	
## 29543	0	1	0	0	1	0	0	0	0	0	0	
## 29544	0	1	0	0	0	0	0	0	0	0	1	
## 29545	0	1	0	0	0	0	0	0	0	1	0	
## 29546	0	0	1	0	1	0	0	0	0	0	0	
## 29547	0	0	1	0	0	1	0	0	0	0	0	
## 29548	0	0	1	0	1	0	0	0	0	0	0	
## 29549	0	0	1	0	0	0	0	0	0	1	0	
## 29550	0	0	1	0	0	0	0	0	0	0	1	
## 29551	0	0	1	0	0	0	0	0	0	0	1	
## 29552	0	0	1	0	0	0	0	0	0	0	1	
## 29553	0	0	1	0	0	1	0	0	0	0	0	
## 29554	0	0	1	0	0	0	0	0	0	0	1	
## 29555	0	0	0	1	1	0	0	0	0	0	0	
## 29556	0	0	0	1	0	0	1	0	0	0	0	
## 29557	0	0	0	0	0	1	0	0	0	0	0	
## 29558	0	0	0	0	1	0	0	0	0	0	0	
## 29559	0	0	0	0	1	0	0	0	0	0	0	
## 29560	0	0	0	0	0	0	0	1	0	0	0	
## 29561	0	0	0	0	ø	ø	1	0	0	0	0	
## 29562	0	0	0	0	ø	ø	1	ø	0	0	0	
## 29563	0	0	0	0	0	0	0	1	0	0	0	
## 29564	0	0	0	ø	0	0	0	1	0	0	0	
## 29565	0	0	0	0	0	0	0	0	1	0	0	
"" ZJJ0J		•	0	U				U	_	U		

##	29566	0	0	0	0	0	0	0	1	0	0	0
##	29567	0	0	0	0	0	0	0	0	1	0	0
##	29568	0	0	0	0	0	0	1	0	0	0	0
##	29569	0	0	0	0	0	0	0	1	0	0	0
##	29570	0	0	0	0	0	0	0	0	0	1	0
##	29571	0	0	0	0	0	0	0	0	1	0	0
##	29572	1	0	0	0	0	0	0	0	0	1	0
	29573	1	0	0	0	0	0	0	0	1	0	0
##	29574	1	0	0	0	0	0	0	0	1	0	0
	29575	0	1	0	0	0	0	0	0	0	0	1
##	29576	0	1	0	0	0	0	0	0	1	0	0
##	29577	0	1	0	0	1	0	0	0	0	0	0
	29578	0	1	0	0	0	0	0	0	0	0	1
	29579			1	0	1		0			0	0
		0	0				0		0	0		
	29580	0	0	1	0	0	0	0	0	0	0	1
##	29581	0	0	1	0	0	0	0	0	0	1	0
##	29582	0	0	1	0	0	0	0	0	0	0	1
##	29583	0	0	1	0	0	0	0	0	0	0	1
	29584	0	0	1	0	1	0	0	0	0	0	0
	29585	0	0	1	0	0	1	0	0	0	0	0
	29586	0	0	0	1	0	0	1	0	0	0	0
	29587	0	0	0	1	0	0	1	0	0	0	0
##	29588	0	0	0	1	0	1	0	0	0	0	0
##	29589	0	0	0	1	0	1	0	0	0	0	0
##	29590	0	0	0	1	1	0	0	0	0	0	0
	29591	0	0	0	0	0	0	1	0	0	0	0
	29592	0	0	0	0	0	0	1	0	0	0	0
	29593			0	0	0	0	0			0	0
		0	0						1	0		
	29594	0	0	0	0	0	0	1	0	0	0	0
##	29595	0	0	0	0	0	0	0	0	1	0	0
##	29596	0	0	0	0	0	0	0	1	0	0	0
##	29597	0	0	0	0	0	0	1	0	0	0	0
##	29598	0	0	0	0	0	0	1	0	0	0	0
	29599	0	0	0	0	0	0	0	1	0	0	0
	29600				0							
		1	0	0		0	0	0	0	0	1	0
##	29601	0	1	0	0	1	0	0	0	0	0	0
##	29602	0	1	0	0	0	0	0	0	0	0	1
##	29603	0	1	0	0	0	0	0	0	0	1	0
##	29604	0	0	1	0	1	0	0	0	0	0	0
##	29605	0	0	1	0	0	0	0	0	0	0	1
	29606	0	0	0	1	1	0	0	0	0	0	0
	29607	0	0			0	0		0	0		0
				0	1			1			0	
	29608	0	0	0	1	0	0	0	0	0	0	1
	29609	0	0	0	1	0	0	1	0	0	0	0
##	29610	0	0	0	1	0	0	0	0	0	0	1
##	29611	0	0	0	0	1	0	0	0	0	0	0
	29612	0	0	0	0	0	0	1	0	0	0	0
	29613	0	0	0	0	0	0	1	0	0	0	0
	29614						1	0				
		0	0	0	0	0			0	0	0	0
##	29615	0	0	0	0	0	0	1	0	0	0	0

## 29617 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0	HH 20616	0	^	^	^	0	0	0		^	•	0	
## 29618 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0	## 29616	0	0	0	0	0	0	0	1	0	0	0	
## 29619 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29621 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0													
## 29621 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					0						1		
## 29622 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	0	0	0	0	1	0	0	0	
## 29623 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0	## 29621	0	0	0	0	0	0	0	1	0	0	0	
## 29624 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0	## 29622	0	0	0	0	0	0	0	0	0	1	0	
## 29625 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0	## 29623	0	0	0	0	0	0	0	1	0	0	0	
## 29625 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0	## 29624	0	0	0	0	0	0	0	0	1	0	0	
## 29626								0					
## 29627													
## 29628													
## 29629 0 1 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0													
## 29630 0 1 0 0 0 0 0 0 0 0 0 0 1 ## 29631 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29631 0 1 0 0 0 0 0 0 0 0 0 0 0 1 ## 29632 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 ## 29633 0 0 1 0 0 0 0 0 0 0 0 1 0 ## 29635 0 0 1 0 0 0 0 0 0 0 0 0 1 ## 29637 0 0 0 1 1 0 0 0 0 0 0 0 0 0 ## 29638 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 ## 29639 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 1 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 1 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 1 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ## 29640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29632													
## 29633													
## 29634 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 1 0 ## 29645 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29635 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 ## 29644 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29636													
## 29637 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 ## 29641 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29638 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0													
## 29639 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0			1	0	0	1	0				
## 29640 0 0 0 0 0 0 0 1 0 0 0 0 0 0 ## 29651 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	0	0	1	0	0	0	0	0	
## 29641 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	## 29639	0	0	0	0	0	0	0	1	0	0	0	
## 29642 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 29640	0	0	0	0	0	0	1	0	0	0	0	
## 29643 0 0 0 0 0 0 0 1 0 0 0 0 0 0 ## 29664 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	## 29641	0	0	0	0	1	0	0	0	0	0	0	
## 29644 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	## 29642	0	0	0	0	0	0	1	0	0	0	0	
## 29645 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 29643	0	0	0	0	0	0	1	0	0	0	0	
## 29646 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 29644	0	0	0	0	0	0	0	1	0	0	0	
## 29646 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 29645	0	0	0	0	0	0	1	0	0	0	0	
## 29647 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 29646	0	0	0	0	0	0	1	0	0	0		
## 29648 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0													
## 29649 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29650 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29651 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29652 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29653 1 0 0 0 0 0 0 1 0 0 0 0 ## 29654 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0													
## 29654 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0													
## 29655 1 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 0 0 0 1													
## 29656 0 1 0 0 0 0 0 0 0 0 0 1 ## 29657 0 1 0 0 0 0 0 0 0 0 0 0 1 ## 29658 0 1 0 0 0 0 0 0 0 0 0 0 1 ## 29659 0 1 0 0 1 0 0 0 0 0 0 0 0 0 ## 29660 0 1 0 0 1 0 0 0 0 0 0 0 ## 29661 0 0 1 0 0 1 0 0 0 0 0 0 ## 29662 0 0 0 1 1 0 0 0 0 0 0 0 ## 29663 0 0 0 1 0 1 0 0 0 0 0 0 ## 29664 0 0 0 1 0 1 0 0 0 0 0													
## 29657 0 1 0 0 0 0 0 0 0 0 0 1 ## 29658 0 1 0 0 0 0 0 0 0 0 0 1 ## 29659 0 1 0 0 1 0 0 0 0 0 0 0 0 ## 29660 0 1 0 0 1 0 0 0 0 0 0 ## 29661 0 0 1 0 0 1 0 0 0 0 0 0 ## 29662 0 0 0 1 1 0 0 0 0 0 0 0 ## 29663 0 0 0 1 0 1 0 0 0 0 0 0 ## 29664 0 0 0 1 0 1 0 0 0 0 0													
## 29658 0 1 0 0 0 0 0 0 0 0 0 1 ## 29659 0 1 0 0 1 0 0 0 0 0 0 0 0 ## 29660 0 1 0 0 1 0 0 0 0 0 0 0 ## 29661 0 0 1 0 0 1 0 0 0 0 0 0 ## 29662 0 0 0 1 1 0 0 0 0 0 0 0 ## 29663 0 0 0 1 0 1 0 0 0 0 0 0													
## 29659 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29660 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29661 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0													
## 29662 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 29663 0 0 0 1 0 1 0 0 0 0 0 ## 29664 0 0 0 1 0 1 0 0 0 0													
## 29664 0 0 0 1 0 1 0 0 0 0													
		0	0	0	1	0	1	0	0	0	0	0	
## 29665 0 0 0 1 1 0 0 0 0 0	## 29664	0	0	0	1	0	1	0	0	0	0	0	
	## 29665	0	0	0	1	1	0	0	0	0	0	0	

##	29666	0	0	0	1	1	0	0	0	0	0	0
##	29667	0	0	0	1	0	0	0	0	0	0	1
##	29668	0	0	0	0	0	1	0		0	0	0
									0			
##	29669	0	0	0	0	0	1	0	0	0	0	0
##	29670	0	0	0	0	0	1	0	0	0	0	0
##	29671	0	0	0	0	0	0	0	1	0	0	0
##	29672	0	0	0	0	0	0	0	0	1	0	0
	29673			0	0					0		
		0	0			0	0	0	0		1	0
##	29674	1	0	0	0	0	0	0	0	0	1	0
##	29675	1	0	0	0	0	0	0	0	0	0	1
##	29676	1	0	0	0	0	0	0	0	1	0	0
##	29677	1	0	0	0	0	0	0	0	0	0	1
##	29678	1	0	0	0	0	0	0	0	0	0	1
##	29679	0	1	0	0	0	0	0	0	0	1	0
##	29680	0	1	0	0	0	0	0	0	1	0	0
##	29681	0	1	0	0	1	0	0	0	0	0	0
##	29682	0	1	0	0	0	0	0	0	0	1	0
##	29683	0	1	0	0	0	0	0	0	0	1	0
##	29684	0	1	0	0	0	0	0	0	0	1	0
##	29685	0	1	0	0	1	0	0	0	0	0	0
##	29686	0	1	0	0	0	0	0	0	0	1	0
	29687	0	1	0	0	0	0	0	0	0	1	0
##	29688	0	0	1	0	0	0	0	0	0	1	0
##	29689	0	0	1	0	0	0	0	0	0	0	1
##	29690	0	0	1	0	0	0	0	0	0	0	1
##	29691	0	0	1	0	0	1	0	0	0	0	0
##	29692	0	0	0	1	1	0	0	0	0	0	0
	29693			0	1					0		
		0	0			0	1	0	0		0	0
##	29694	0	0	0	1	1	0	0	0	0	0	0
##	29695	0	0	0	1	0	1	0	0	0	0	0
##	29696	0	0	0	0	0	0	0	1	0	0	0
##	29697	0	0	0	0	0	0	1	0	0	0	0
##	29698	0		0			0					
			0		0	0		0	1	0	0	0
##	29699	0	0	0	0	0	0	0	1	0	0	0
##	29700	0	0	0	0	0	0	1	0	0	0	0
##	29701	0	0	0	0	0	0	0	0	1	0	0
##	29702	0	0	0	0	0	0	0	0	1	0	0
##	29703	1	0	0	0	0	0	0	0	1	0	0
		1	0	0	0	0	0	0	0	0	1	0
##	29705	1	0	0	0	0	0	0	0	1	0	0
##	29706	1	0	0	0	0	0	0	0	0	1	0
	29707	1	0	0	0	0	0	0	0	1	0	0
	29708	1	0	0	0	0	0	0	0	1	0	0
	29709	0	1	0	0	0	0	0	0	1	0	0
##	29710	0	1	0	0	0	0	0	0	0	0	1
##	29711	0	1	0	0	1	0	0	0	0	0	0
	29712	0	1	0	0	1	0	0	0	0	0	0
	29713	0	0		0	1	0	0		0	0	0
				1					0			
	29714	0	0	0	0	0	0	1	0	0	0	0
##	29715	0	0	0	0	0	0	0	1	0	0	0

## 29	716	0	0	0	0	0	1	0	0	0	0	0
## 29	717	0	0	0	0	0	0	1	0	0	0	0
			0	0	0	0	0	0	1	0	0	
		0										0
		0	1	0	0	0	0	0	0	0	1	0
## 29	720	0	1	0	0	0	0	0	0	0	0	1
## 29	721	0	0	1	0	1	0	0	0	0	0	0
## 29		0	0	0	1	1	0	0	0	0	0	0
## 29			0	0						0		
		0			0	0	0	0	1		0	0
## 29		1	0	0	0	0	0	0	1	0	0	0
## 29	725	0	0	0	0	0	0	0	1	0	0	0
## 29	726	1	0	0	0	0	0	0	0	0	1	0
## 29		0	1	0	0	0	0	0	0	1	0	0
## 29		0	0	1	0	0	0	0	0	0	0	1
## 29		0	0	1	0	0	1	0	0	0	0	0
## 29	730	0	0	1	0	1	0	0	0	0	0	0
## 29	731	0	0	0	1	0	0	1	0	0	0	0
## 29	732	0	0	0	1	0	0	0	0	0	0	1
		0	0	0	0	0	0	1	0	0	0	0
## 29		0	0	0	0	0	0	1	0	0	0	0
## 29	735	0	0	0	0	0	0	1	0	0	0	0
## 29	736	0	0	0	0	0	0	0	1	0	0	0
## 29	737	0	0	0	0	0	0	0	1	0	0	0
## 29		0	0	0	0	0	0	1	0	0	0	0
## 29		0	0	0	0	0	0	1	0	0	0	0
## 29		0	0	0	0	0	0	0	0	0	1	0
## 29		1	0	0	0	0	0	0	0	0	0	1
## 29	742	1	0	0	0	0	0	0	0	0	0	1
## 29	743	0	1	0	0	0	0	0	0	0	0	1
## 29	744	0	1	0	0	0	0	0	0	0	1	0
		0	0	1	0	0	0	0	0	0	1	0
		0	0	1	0	0	1	0	0	0	0	0
		0	0	0	1	0	0	1	0	0	0	0
		0	0	0	0	0	1	0	0	0	0	0
## 29	749	0	0	0	0	0	1	0	0	0	0	0
## 29	750	0	0	0	0	0	0	0	1	0	0	0
## 29	751	0	0	0	0	0	0	0	0	1	0	0
	752	1	0	0	0	0	0	0	0	0	1	0
		0	0	0	0	0	1	0	0	0	0	0
## 29		0	0	0	0	0	0	0	1	0	0	0
## 29		1	0	0	0	0	0	0	0	1	0	0
## 29	756	1	0	0	0	0	0	0	0	0	0	1
## 29	757	0	1	0	0	0	0	0	0	1	0	0
## 29		0	1	0	0	0	0	0	0	0	0	1
## 29		0	0	1	0	1	0	0	0	0	0	0
		_										
## 29		0	0	1	0	0	0	0	0	0	1	0
## 29		0	0	1	0	0	0	0	0	0	1	0
## 29	762	0	0	0	1	0	1	0	0	0	0	0
## 29	763	0	0	0	1	0	1	0	0	0	0	0
## 29		0	0	0	1	1	0	0	0	0	0	0
## 29		0	0	0	0	0	1	0	0	0	0	0
23	. 03	_	,	•	_	-	_	-	_	_	•	_

##	29766	0	0	0	0	0	1	0	0	0	0	0	
##	29767	0	0	0	0	0	0	1	0	0	0	0	
##	29768	0	0	0	0	0	0	1	0	0	0	0	
##	29769	0	0	0	0	0	1	0	0	0	0	0	
##	29770	0	0	0	0	0	0	0	0	1	0	0	
##	29771	0	0	0	0	0	0	1	0	0	0	0	
##	29772	0	0	0	0	0	0	1	0	0	0	0	
##	29773	0	0	0	0	0	0	1	0	0	0	0	
##	29774	0	0	0	0	0	0	0	1	0	0	0	
##	29775	0	0	0	0	0	0	0	0	0	1	0	
##	29776	1	0	0	0	0	0	0	0	1	0	0	
##	29777	0	1	0	0	0	0	0	0	0	0	1	
##	29778	0	0	1	0	0	0	0	0	0	1	0	
##	29779	0	0	1	0	0	1	0	0	0	0	0	
##	29780	0	0	0	1	0	0	0	0	0	0	1	
##	29781	0	0	0	0	0	0	1	0	0	0	0	
##	29782	0	0	0	0	0	1	0	0	0	0	0	
##	29783	1	0	0	0	0	0	0	0	0	1	0	
##	29784	1	0	0	0	0	0	0	0	0	0	1	
##	29785	1	0	0	0	0	0	0	0	1	0	0	
##	29786	0	1	0	0	0	0	0	0	0	0	1	
##	29787	0	1	0	0	1	0	0	0	0	0	0	
##	29788	0	0	1	0	0	0	0	0	0	0	1	
##			X0.19) pre	d_X0.1		dictio	ns					
##	28004				yes	-5.73							
##	28005				yes	-5.73							
##		0.00000			yes	-5.73							
##	28007	0.00000			yes	-5.73							
##	28008				yes	-5.73							
##	28009				yes	-5.73							
11.11	20040	0 00000					72006						

-5.7372896

yes

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

28029 0.0007662835

```
## 28030 0.0145593870
                              ves
                                    -5.7372896
## 28031 0.0000000000
                              yes
                                    -5.7372896
## 28032 0.00000000000
                              yes
                                    -5.7372896
## 28033 0.00000000000
                              yes
                                    -5.7372896
## 28034 0.0007662835
                              yes
                                    -5.7372896
## 28035 0.0038314176
                              yes
                                    -5.7372896
                                    -5.7372896
## 28036 0.0183908046
                              yes
## 28037 0.0000000000
                              yes
                                    -5.7372896
## 28038 0.0000000000
                                   -5.7372896
                              yes
## 28039 0.0007662835
                                    -5.7372896
                              yes
## 28040 0.0000000000
                              yes
                                    -5.7372896
## 28041 0.0000000000
                              yes
                                   -5.7372896
## 28042 0.0000000000
                              yes
                                   -5.7372896
## 28043 0.0007662835
                                    -5.7372896
                              yes
## 28044 0.00000000000
                              yes
                                    -5.7372896
## 28045 0.0000000000
                                    -5.7372896
                              yes
## 28046 0.0000000000
                              yes
                                    -5.7372896
## 28047 0.0000000000
                              yes
                                    -5.7372896
## 28048 0.0000000000
                              yes
                                    -5.7372896
## 28049 0.0007662835
                                    -5.7372896
                              yes
## 28050 0.0022988506
                              yes
                                    -5.7372896
## 28051 0.0022988506
                                    -5.7372896
                              yes
## 28052 0.0015325670
                              yes
                                    -5.7372896
## 28053 0.0000000000
                              yes
                                    -5.7372896
## 28054 0.0015325670
                              yes
                                    -5.7372896
## 28055 0.0000000000
                              yes
                                    -5.7372896
## 28056 0.0000000000
                              yes
                                   -5.7372896
## 28057 0.0091954023
                              yes
                                    -5.7372896
## 28058 0.0000000000
                                    -5.7372896
                              yes
## 28059 0.0000000000
                              yes
                                   -5.7372896
## 28060 0.0007662835
                              yes
                                    -5.7372896
## 28061 0.0000000000
                              yes
                                    -5.7372896
## 28062 0.0000000000
                              yes
                                    -5.7372896
## 28063 0.0015325670
                              yes
                                    -5.7372896
## 28064 0.0015325670
                              yes
                                    -5.7372896
## 28065 0.0000000000
                              yes
                                   -5.7372896
## 28066 0.0000000000
                              yes
                                    -5.7372896
## 28067 0.0000000000
                              yes
                                    -5.7372896
                              yes
## 28068 0.0007662835
                                   -5.7372896
## 28069 0.0000000000
                              yes
                                    -5.7372896
## 28070 0.0000000000
                              yes
                                    -5.7372896
## 28071 0.0076628352
                              ves
                                    -5.7372896
## 28072 0.0015325670
                              yes
                                    -5.7372896
## 28073 0.0000000000
                              yes
                                    -5.7372896
## 28074 0.0030651341
                                   -5.7372896
                              yes
## 28075 0.0000000000
                                    -5.7372896
                              yes
## 28076 0.0000000000
                                    -5.7372896
                              yes
                              yes
## 28077 0.0000000000
                                   -5.7372896
## 28078 0.0000000000
                              yes
                                    -5.7372896
## 28079 0.0000000000
                              yes -5.7372896
```

```
## 28080 0.0000000000
                              ves
                                    -5.7372896
## 28081 0.0000000000
                              yes
                                    -5.7372896
## 28082 0.0000000000
                                    -5.7372896
                              yes
## 28083 0.0038314176
                                    -5.7372896
                              yes
## 28084 0.0000000000
                              yes
                                    -5.7372896
## 28085 0.0000000000
                                    -5.7372896
                              yes
## 28086 0.0091954023
                              yes
                                    -5.7372896
## 28087 0.0000000000
                              yes
                                    -5.7372896
## 28088 0.0007662835
                              yes
                                    -5.7372896
## 28089 0.0007662835
                              yes
                                    -5.7372896
## 28090 0.0000000000
                                    -5.7372896
                              yes
## 28091 0.0000000000
                              yes
                                    -6.3291948
## 28092 0.0000000000
                              yes
                                    -6.3291948
## 28093 0.0000000000
                                    -6.3291948
                              yes
## 28094 0.0007662835
                              yes
                                    -6.3291948
## 28095 0.0000000000
                                    -6.3291948
                              yes
## 28096 0.0000000000
                              yes
                                    -6.3291948
## 28097 0.0007662835
                              yes
                                    -6.3291948
## 28098 0.0000000000
                                    -6.3291948
                              yes
## 28099 0.0000000000
                              yes
                                    -6.3291948
## 28100 0.0000000000
                              yes
                                    -6.3291948
## 28101 0.0000000000
                                    -6.3291948
                              yes
## 28102 0.0007662835
                                    -6.3291948
                              yes
## 28103 0.0000000000
                              yes
                                    -6.3291948
## 28104 0.0000000000
                                    -6.3291948
                              yes
## 28105 0.0000000000
                              yes
                                    -6.3291948
## 28106 0.0007662835
                              yes
                                    -6.3291948
## 28107 0.0000000000
                              yes
                                    -6.3291948
## 28108 0.0000000000
                                    -6.3291948
                              yes
## 28109 0.0000000000
                                    -6.3291948
                              yes
## 28110 0.0000000000
                              yes
                                    -6.3291948
## 28111 0.0000000000
                              yes
                                    -6.3291948
## 28112 0.0007662835
                                    -6.3291948
                              yes
## 28113 0.0000000000
                              yes
                                    -6.3291948
## 28114 0.0000000000
                              yes
                                    -6.3291948
## 28115 0.0000000000
                                    -6.3291948
                              yes
## 28116 0.0000000000
                              yes
                                    -6.3291948
## 28117 0.0000000000
                                    -6.3291948
                              yes
## 28118 0.0015325670
                                    -6.3291948
                              yes
## 28119 0.0000000000
                              yes
                                    -6.3291948
## 28120 0.0000000000
                              yes
                                    -6.3291948
## 28121 0.0022988506
                              ves
                                    -6.3291948
## 28122 0.0000000000
                              yes
                                    -6.3291948
## 28123 0.0000000000
                              yes
                                    -6.3291948
## 28124 0.0000000000
                                    -6.3291948
                              yes
## 28125 0.0000000000
                              yes
                                    -6.3291948
## 28126 0.0000000000
                                    -6.3291948
                              yes
## 28127 0.0000000000
                                   -6.3291948
                              yes
## 28128 0.0038314176
                              yes
                                    -6.3291948
## 28129 0.0000000000
                                   -6.3291948
                              yes
```

```
## 28130 0.0000000000
                              ves
                                    -6.3291948
## 28131 0.0007662835
                              yes
                                    -6.3291948
## 28132 0.0000000000
                                    -6.3291948
                              yes
## 28133 0.0038314176
                                    -6.3291948
                              yes
## 28134 0.0000000000
                              yes
                                    -6.3291948
## 28135 0.0000000000
                                    -6.3291948
                              yes
## 28136 0.00000000000
                              yes
                                    -6.3559201
## 28137 0.0000000000
                              yes
                                    -6.3559201
## 28138 0.0000000000
                              yes
                                    -6.3559201
## 28139 0.0000000000
                              yes
                                    -6.3559201
## 28140 0.0000000000
                                    -6.3559201
                              yes
## 28141 0.0000000000
                              yes
                                    -6.3559201
## 28142 0.0000000000
                                    -6.3559201
                              yes
## 28143 0.0000000000
                                    -6.3559201
                              yes
## 28144 0.0000000000
                              yes
                                    -6.3559201
## 28145 0.0000000000
                                    -6.3559201
                              yes
## 28146 0.0000000000
                              yes
                                    -6.3559201
## 28147 0.0015325670
                              yes
                                    -6.3559201
## 28148 0.0000000000
                                    -6.3559201
                              yes
## 28149 0.0000000000
                              yes
                                    -6.3559201
## 28150 0.0015325670
                              yes
                                    -6.3559201
## 28151 0.0000000000
                                    -6.3559201
                              yes
## 28152 0.0000000000
                                    -6.3559201
                              yes
## 28153 0.0007662835
                              yes
                                    -6.3559201
## 28154 0.0000000000
                                    -6.3559201
                              yes
## 28155 0.0000000000
                              yes
                                    -6.3559201
## 28156 0.0015325670
                              yes
                                    -6.3559201
## 28157 0.0000000000
                              yes
                                    -6.3559201
## 28158 0.0000000000
                                    -6.3559201
                              yes
## 28159 0.0000000000
                              yes
                                    -6.3559201
## 28160 0.0000000000
                                    -6.3559201
                              yes
## 28161 0.0007662835
                              yes
                                    -6.3559201
## 28162 0.0000000000
                                    -6.3559201
                              yes
## 28163 0.0000000000
                              yes
                                    -6.3559201
## 28164 0.0007662835
                              yes
                                    -6.3559201
## 28165 0.0000000000
                                    -6.3559201
                              yes
## 28166 0.0015325670
                              yes
                                    -6.3559201
## 28167 0.0122605364
                                    -5.8684015
                              yes
## 28168 0.0068965517
                                    -5.8684015
                              yes
## 28169 0.0038314176
                              yes
                                    -5.8684015
## 28170 0.0091954023
                              yes
                                    -5.8684015
## 28171 0.0038314176
                              ves
                                    -5.8684015
## 28172 0.0061302682
                              yes
                                    -5.8684015
## 28173 0.0007662835
                              yes
                                    -5.8684015
## 28174 0.0007662835
                                    -5.8684015
                              yes
## 28175 0.0275862069
                                    -5.8684015
                              yes
## 28176 0.0022988506
                                    -5.8684015
                              yes
## 28177 0.0942528736
                                    -5.8684015
                              yes
## 28178 0.0490421456
                              yes
                                    -5.8684015
## 28179 0.0007662835
                              yes -5.8684015
```

```
## 28180 0.0007662835
                               ves
                                    -5.8684015
## 28181 0.0045977011
                              yes
                                    -5.8684015
## 28182 0.0000000000
                                    -5.8684015
                              yes
                                    -5.8684015
## 28183 0.0000000000
                              yes
                                    -5.8684015
## 28184 0.0030651341
                              yes
## 28185 0.0022988506
                              yes
                                    -5.8684015
## 28186 0.0022988506
                              yes
                                    -5.8684015
## 28187 0.0153256705
                              yes
                                    -5.8684015
## 28188 0.0053639847
                              yes
                                    -5.8684015
## 28189 0.0045977011
                              yes
                                    -5.8684015
## 28190 0.0712643678
                              yes
                                    -5.8684015
## 28191 0.0053639847
                              yes
                                    -5.8684015
## 28192 0.0022988506
                              yes
                                    -5.8684015
## 28193 0.0030651341
                              yes
                                    -5.8684015
## 28194 0.0022988506
                              yes
                                    -5.8684015
## 28195 0.0000000000
                                    -5.8684015
                              yes
## 28196 0.0030651341
                              yes
                                    -5.8684015
## 28197 0.0015325670
                              yes
                                    -5.8684015
## 28198 0.0061302682
                              yes
                                    -5.8684015
## 28199 0.0000000000
                                    -5.8684015
                              yes
## 28200 0.0076628352
                              yes
                                    -5.8684015
## 28201 0.00000000000
                                    -6.4749205
                              yes
## 28202 0.0030651341
                              yes
                                    -6.4749205
## 28203 0.0000000000
                              yes
                                    -6.4749205
## 28204 0.00000000000
                                    -6.4749205
                              yes
## 28205 0.00000000000
                              yes
                                    -6.4749205
## 28206 0.0000000000
                              yes
                                    -6.4749205
## 28207 0.0000000000
                              yes
                                    -6.4749205
## 28208 0.0000000000
                                    -6.4749205
                              yes
## 28209 0.0000000000
                              yes
                                    -6.4749205
## 28210 0.0000000000
                              yes
                                    -6.2738544
## 28211 0.0000000000
                              yes
                                    -6.2738544
## 28212 0.0000000000
                                    -6.2738544
                              yes
## 28213 0.0000000000
                              yes
                                    -6.2738544
## 28214 0.0000000000
                              yes
                                    -6.2738544
## 28215 0.0000000000
                                    -6.2738544
                              yes
## 28216 0.0000000000
                              yes
                                    -6.2738544
## 28217 0.0000000000
                                    -6.2738544
                              yes
## 28218 0.0000000000
                                    -6.2738544
                              yes
## 28219 0.0000000000
                              yes
                                    -6.2738544
## 28220 0.0000000000
                              yes
                                    -6.2738544
## 28221 0.0000000000
                              ves
                                    -6.2738544
## 28222 0.00000000000
                              yes
                                    -6.2738544
## 28223 0.00000000000
                              yes
                                    -6.2738544
## 28224 0.0007662835
                                    -6.2738544
                              yes
## 28225 0.0000000000
                                    -6.2738544
                              yes
## 28226 0.0000000000
                              yes
                                    -6.2738544
## 28227 0.00000000000
                                    -6.2738544
                              yes
## 28228 0.0007662835
                              yes
                                    -6.2738544
## 28229 0.0000000000
                                  -6.2738544
                              yes
```

```
## 28230 0.0000000000
                               ves
                                    -6.2738544
## 28231 0.0000000000
                              yes
                                    -6.2738544
## 28232 0.0000000000
                                    -6.2738544
                               yes
## 28233 0.00000000000
                              yes
                                    -6.2738544
## 28234 0.0000000000
                               yes
                                    -6.2738544
## 28235 0.0000000000
                                    -6.2738544
                               yes
## 28236 0.00000000000
                              yes
                                    -6.2738544
## 28237 0.0007662835
                              yes
                                    -6.2738544
## 28238 0.0000000000
                              yes
                                    -6.2738544
## 28239 0.0000000000
                              yes
                                    -6.2738544
## 28240 0.0007662835
                                    -6.2738544
                              yes
## 28241 0.0000000000
                               yes
                                    -6.2738544
## 28242 0.0000000000
                                    -6.2738544
                              yes
## 28243 0.0000000000
                                    -6.2738544
                              yes
## 28244 0.00000000000
                               yes
                                    -6.2738544
## 28245 0.00000000000
                                    -6.2738544
                              yes
## 28246 0.0000000000
                              yes
                                    -6.2738544
## 28247 0.0007662835
                              yes
                                    -6.2738544
## 28248 0.0000000000
                                    -6.2738544
                               yes
## 28249 0.0000000000
                              yes
                                    -6.2738544
## 28250 0.0000000000
                              yes
                                    -6.2738544
## 28251 0.0000000000
                                    -6.2738544
                              yes
## 28252 0.0007662835
                                    -6.2738544
                              yes
## 28253 0.0000000000
                               yes
                                    -6.2738544
## 28254 0.0007662835
                                    -6.2738544
                              yes
## 28255 0.0000000000
                              yes
                                    -6.2738544
## 28256 0.0000000000
                              yes
                                    -6.2738544
## 28257 0.0000000000
                              yes
                                    -6.2738544
## 28258 0.0000000000
                                    -6.2738544
                               yes
## 28259 0.0000000000
                              yes
                                    -6.2738544
## 28260 0.0007662835
                              yes
                                    -6.2738544
## 28261 0.0000000000
                              yes
                                    -6.2738544
## 28262 0.0000000000
                                    -6.2738544
                               yes
## 28263 0.0000000000
                              yes
                                    -6.2738544
## 28264 0.0000000000
                               yes
                                    -6.2738544
## 28265 0.0000000000
                                    -6.2738544
                              yes
## 28266 0.0007662835
                              yes
                                    -6.2738544
## 28267 0.0007662835
                                    -6.2738544
                              yes
## 28268 0.0000000000
                                    -6.2738544
                              yes
## 28269 0.00000000000
                              yes
                                    -6.2738544
## 28270 0.0000000000
                              yes
                                    -6.2738544
## 28271 0.0007662835
                              ves
                                    -6.2738544
## 28272 0.0000000000
                              yes
                                    -6.2738544
## 28273 0.0000000000
                              yes
                                    -6.2738544
## 28274 0.0000000000
                                    -6.2738544
                              yes
## 28275 0.0000000000
                                    -6.2738544
                              yes
## 28276 0.0000000000
                               yes
                                    -6.2738544
## 28277 0.0000000000
                                    -6.2738544
                              yes
## 28278 0.0000000000
                               yes
                                    -6.2738544
## 28279 0.0000000000
                                   -6.2738544
                              yes
```

```
## 28280 0.0000000000
                              ves
                                    -6.2738544
## 28281 0.0015325670
                              yes
                                    -6.2738544
## 28282 0.0000000000
                                    -6.2738544
                              yes
## 28283 0.0061302682
                              yes
                                    -6.2738544
## 28284 0.0000000000
                              yes
                                    -6.2738544
## 28285 0.0000000000
                                    -6.2738544
                              yes
## 28286 0.0022988506
                              yes
                                    -6.2738544
## 28287 0.0007662835
                              yes
                                    -6.2738544
## 28288 0.0107279693
                              yes
                                    -6.2738544
## 28289 0.0000000000
                              yes
                                    -6.2738544
## 28290 0.0007662835
                              yes
                                    -6.2738544
## 28291 0.0015325670
                              yes
                                    -6.2738544
## 28292 0.0000000000
                              yes
                                    -6.2738544
## 28293 0.0015325670
                                    -6.2738544
                              yes
## 28294 0.00000000000
                              yes
                                    -6.2738544
## 28295 0.0000000000
                                    -6.2738544
                              yes
## 28296 0.0000000000
                              yes
                                    -6.2738544
## 28297 0.0007662835
                              yes
                                    -5.8987120
## 28298 0.0015325670
                                    -5.8987120
                              yes
## 28299 0.0030651341
                                    -5.8987120
                              yes
## 28300 0.00000000000
                              yes
                                    -5.8987120
## 28301 0.0000000000
                                    -5.8987120
                              yes
## 28302 0.0000000000
                              yes
                                    -5.8987120
## 28303 0.0000000000
                              yes
                                    -5.8987120
## 28304 0.0000000000
                                    -5.8987120
                              yes
## 28305 0.0022988506
                              yes
                                    -5.8987120
## 28306 0.0022988506
                              yes
                                    -5.8987120
## 28307 0.0061302682
                              yes
                                    -5.8987120
## 28308 0.0030651341
                                    -5.8987120
                              yes
## 28309 0.0000000000
                                    -5.8987120
                              yes
## 28310 0.0007662835
                              yes
                                    -5.8987120
## 28311 0.0000000000
                              yes
                                    -5.8987120
## 28312 0.0022988506
                                    -5.8987120
                              yes
## 28313 0.0015325670
                              yes
                                    -5.8987120
## 28314 0.0015325670
                              yes
                                    -5.8987120
## 28315 0.0000000000
                              yes
                                    -5.8987120
## 28316 0.0007662835
                                    -5.8987120
                              yes
## 28317 0.0068965517
                              yes
                                    -5.8987120
                              yes
## 28318 0.0000000000
                                    -5.8987120
## 28319 0.0000000000
                              yes
                                    -5.8987120
## 28320 0.0015325670
                              yes
                                    -5.8987120
## 28321 0.0000000000
                              ves
                                    -5.8987120
## 28322 0.00000000000
                              yes
                                    -5.8987120
## 28323 0.0015325670
                              yes
                                    -5.8987120
## 28324 0.0000000000
                                    -5.8987120
                              yes
## 28325 0.0091954023
                                    -5.8987120
                              yes
## 28326 0.0007662835
                                    -5.8987120
                              yes
                              yes
## 28327 0.0015325670
                                    -5.8987120
## 28328 0.0007662835
                              yes
                                    -5.8987120
## 28329 0.0000000000
                              yes -5.8987120
```

```
## 28330 0.0015325670
                              ves
                                    -5.8987120
## 28331 0.0022988506
                              yes
                                    -5.8987120
## 28332 0.0000000000
                                    -5.8987120
                              yes
## 28333 0.00000000000
                                    -5.8987120
                              yes
## 28334 0.0000000000
                              yes
                                    -5.8987120
## 28335 0.0038314176
                                    -5.8987120
                              yes
## 28336 0.0061302682
                              yes
                                    -5.8987120
## 28337 0.0000000000
                              yes
                                    -5.8987120
## 28338 0.0015325670
                              yes
                                    -5.8987120
## 28339 0.0000000000
                              yes
                                    -5.8987120
## 28340 0.0007662835
                              yes
                                    -5.8987120
## 28341 0.0007662835
                              yes
                                    -5.8987120
## 28342 0.0007662835
                              yes
                                    -5.8987120
## 28343 0.0053639847
                                    -5.8987120
                              yes
## 28344 0.0007662835
                              yes
                                    -5.8987120
## 28345 0.0022988506
                                    -5.8987120
                              yes
## 28346 0.0114942529
                              yes
                                    -5.8987120
## 28347 0.0007662835
                              yes
                                    -5.8987120
## 28348 0.0000000000
                                    -5.8987120
                              yes
## 28349 0.0000000000
                                    -5.8987120
                              yes
## 28350 0.0000000000
                              yes
                                    -6.2402344
## 28351 0.0000000000
                                    -6.2402344
                              yes
## 28352 0.0000000000
                                    -6.2402344
                              yes
## 28353 0.0007662835
                              yes
                                    -6.2402344
## 28354 0.0000000000
                                    -6.2402344
                              yes
## 28355 0.0000000000
                              yes
                                    -6.2402344
## 28356 0.0007662835
                                    -6.2402344
                              yes
## 28357 0.0000000000
                              yes
                                    -6.2402344
## 28358 0.0000000000
                                    -6.2402344
                              yes
## 28359 0.0000000000
                              yes
                                    -6.2402344
## 28360 0.0000000000
                                    -6.2402344
                              yes
## 28361 0.0000000000
                              yes
                                    -6.2402344
## 28362 0.00000000000
                                    -6.2402344
                              yes
## 28363 0.0022988506
                              yes
                                    -6.2402344
## 28364 0.0015325670
                              yes
                                    -6.2402344
## 28365 0.0000000000
                                    -6.2402344
                              yes
## 28366 0.0000000000
                              yes
                                    -6.2402344
## 28367 0.0000000000
                                    -6.2402344
                              yes
## 28368 0.0007662835
                                    -6.2402344
                              yes
## 28369 0.0000000000
                              yes
                                    -6.2402344
## 28370 0.0000000000
                              yes
                                    -6.2402344
## 28371 0.0000000000
                              ves
                                    -6.2402344
## 28372 0.0000000000
                              yes
                                    -6.2402344
## 28373 0.0030651341
                              yes
                                    -6.2402344
## 28374 0.0000000000
                                    -6.2402344
                              yes
## 28375 0.0000000000
                              yes
                                    -6.2402344
## 28376 0.0000000000
                                    -6.2402344
                              yes
## 28377 0.0000000000
                                    -6.2402344
                              yes
## 28378 0.0000000000
                              yes
                                    -6.2402344
## 28379 0.0000000000
                              yes -6.2402344
```

```
## 28380 0.0000000000
                              ves
                                    -6.2402344
## 28381 0.0000000000
                              yes
                                    -6.2402344
## 28382 0.0000000000
                                    -6.2402344
                              yes
                                    -6.2402344
## 28383 0.0015325670
                              yes
## 28384 0.0000000000
                              yes
                                    -6.2402344
## 28385 0.0000000000
                                    -6.2402344
                              yes
## 28386 0.0000000000
                              yes
                                    -6.2402344
## 28387 0.0000000000
                              yes
                                    -6.2402344
## 28388 0.0038314176
                              yes
                                    -6.2402344
## 28389 0.0000000000
                              yes
                                    -6.2402344
## 28390 0.0000000000
                                    -6.2402344
                              yes
## 28391 0.0000000000
                              yes
                                    -6.2402344
## 28392 0.0000000000
                                    -6.2402344
                              yes
## 28393 0.0000000000
                                    -6.2402344
                              yes
## 28394 0.0000000000
                              yes
                                    -6.2402344
## 28395 0.0000000000
                                    -6.2402344
                              yes
## 28396 0.0000000000
                              yes
                                    -6.2402344
## 28397 0.0000000000
                              yes
                                    -6.2402344
## 28398 0.0000000000
                                    -6.2402344
                              yes
## 28399 0.00000000000
                              yes
                                    -6.2402344
## 28400 0.00000000000
                              yes
                                    -6.2402344
## 28401 0.00000000000
                                    -6.2402344
                              yes
## 28402 0.0015325670
                              yes
                                    -6.6817995
## 28403 0.0000000000
                              yes
                                    -6.6817995
## 28404 0.0000000000
                                    -6.6817995
                              yes
## 28405 0.0000000000
                              yes
                                    -6.6817995
## 28406 0.0000000000
                              yes
                                    -6.6817995
## 28407 0.0000000000
                              yes
                                    -6.6817995
## 28408 0.0000000000
                              yes
                                    -6.6817995
## 28409 0.0000000000
                              yes
                                    -6.6817995
## 28410 0.0000000000
                              yes
                                    -6.6817995
## 28411 0.0000000000
                              yes
                                    -6.6817995
## 28412 0.0000000000
                                    -6.6817995
                              yes
## 28413 0.0000000000
                              yes
                                    -6.6817995
## 28414 0.0000000000
                              yes
                                    -6.6817995
## 28415 0.0000000000
                                    -6.6817995
                              yes
## 28416 0.00000000000
                              yes
                                    -6.6817995
## 28417 0.0007662835
                                    -6.6817995
                              yes
## 28418 0.0000000000
                                    -6.6817995
                              yes
## 28419 0.0000000000
                              yes
                                    -6.6817995
## 28420 0.0000000000
                              yes
                                    -6.6817995
## 28421 0.0000000000
                              ves
                                    -6.6817995
## 28422 0.00000000000
                              yes
                                    -6.6817995
## 28423 0.0000000000
                              yes
                                    -6.6817995
## 28424 0.0000000000
                                    -6.6817995
                              yes
## 28425 0.0000000000
                              yes
                                    -6.6817995
## 28426 0.0000000000
                              yes
                                    -6.6817995
## 28427 0.0000000000
                                    -6.6817995
                              yes
## 28428 0.0000000000
                              yes
                                    -6.6817995
## 28429 0.0000000000
                                   -6.6817995
                              yes
```

```
## 28430 0.0000000000
                               ves
                                    -6.6817995
                                    -6.6817995
## 28431 0.0000000000
                              yes
## 28432 0.0000000000
                                    -6.6817995
                              yes
## 28433 0.00000000000
                              yes
                                    -6.6817995
## 28434 0.0000000000
                               yes
                                    -6.6817995
## 28435 0.0000000000
                                    -6.6817995
                               yes
## 28436 0.0007662835
                              yes
                                    -6.6817995
## 28437 0.0000000000
                              yes
                                    -6.6817995
## 28438 0.0000000000
                              yes
                                    -6.6817995
## 28439 0.0000000000
                               yes
                                    -6.6817995
## 28440 0.0000000000
                                    -6.6817995
                              yes
## 28441 0.0038314176
                              yes
                                    -5.7094008
## 28442 0.0015325670
                              yes
                                    -5.7094008
## 28443 0.0045977011
                                    -5.7094008
                              yes
## 28444 0.0038314176
                              yes
                                    -5.7094008
## 28445 0.0053639847
                                    -5.7094008
                              yes
## 28446 0.0015325670
                              yes
                                    -5.7094008
## 28447 0.022222222
                              yes
                                    -5.7094008
## 28448 0.0337164751
                              yes
                                    -5.7094008
## 28449 0.0000000000
                                    -5.7094008
                              yes
## 28450 0.00000000000
                              yes
                                    -5.7094008
## 28451 0.0022988506
                               yes
                                    -5.7094008
## 28452 0.4513409962
                              yes
                                    -5.7094008
## 28453 0.0022988506
                               yes
                                    -5.7094008
## 28454 0.0053639847
                              yes
                                    -5.7094008
## 28455 0.0007662835
                              yes
                                    -5.7094008
## 28456 0.0000000000
                              yes
                                    -5.7094008
## 28457 0.0000000000
                              yes
                                    -5.7094008
## 28458 0.0996168582
                                    -5.7094008
                              yes
## 28459 0.0306513410
                                    -5.7094008
                              yes
## 28460 0.0084291188
                              yes
                                    -5.7094008
## 28461 0.0061302682
                              yes
                                    -5.7094008
## 28462 0.0000000000
                                    -5.7094008
                              yes
## 28463 0.0153256705
                              yes
                                    -5.7094008
## 28464 0.0000000000
                              yes
                                    -5.7094008
## 28465 0.0015325670
                              yes
                                    -5.7094008
## 28466 0.0000000000
                              yes
                                    -5.7094008
## 28467 0.0000000000
                              yes
                                    -5.7094008
                              yes
## 28468 0.0268199234
                                    -5.7094008
## 28469 0.2183908046
                              yes
                                    -5.7094008
## 28470 0.0000000000
                              yes
                                    -5.7094008
## 28471 0.0015325670
                              ves
                                    -5.7094008
## 28472 0.0015325670
                              yes
                                    -5.7094008
## 28473 0.0022988506
                              yes
                                    -5.7094008
## 28474 0.0000000000
                                    -5.7094008
                              yes
## 28475 0.0000000000
                                    -5.7094008
                              yes
## 28476 0.0038314176
                                    -5.7094008
                               yes
                              yes
## 28477 0.0015325670
                                    -5.7094008
## 28478 0.0084291188
                               yes
                                    -5.7094008
## 28479 0.0030651341
                              yes
                                   -5.7094008
```

```
## 28480 0.0007662835
                              ves
                                    -5.7094008
## 28481 0.0045977011
                              yes
                                    -5.7094008
## 28482 0.0022988506
                                    -5.7094008
                              yes
## 28483 0.0000000000
                                    -5.7094008
                              yes
## 28484 0.0429118774
                              yes
                                    -5.7094008
## 28485 0.0007662835
                                    -5.7094008
                              yes
## 28486 0.00000000000
                              yes
                                    -5.7094008
## 28487 0.0015325670
                              yes
                                    -5.7094008
## 28488 0.0099616858
                              yes
                                    -5.7094008
## 28489 0.0022988506
                              yes
                                    -5.7094008
## 28490 0.0206896552
                              yes
                                    -5.7094008
## 28491 0.0114942529
                              yes
                                    -5.7094008
## 28492 0.0030651341
                              yes
                                    -5.7094008
## 28493 0.0007662835
                              yes
                                    -5.7094008
## 28494 0.1295019157
                              yes
                                    -0.1782537
## 28495 0.0344827586
                              yes
                                    -0.1782537
## 28496 0.1348659004
                              yes
                                    -0.1782537
## 28497 0.6168582375
                              yes
                                    -0.1782537
## 28498 0.0007662835
                              yes
                                    -0.1782537
## 28499 0.4674329502
                              yes
                                    -0.1782537
## 28500 0.0038314176
                              yes
                                    -6.1834164
## 28501 0.0252873563
                                    -6.1834164
                              yes
## 28502 0.0030651341
                                    -6.1834164
                              yes
## 28503 0.0114942529
                              yes
                                    -6.1834164
## 28504 0.0045977011
                                    -6.1834164
                              yes
## 28505 0.0022988506
                              yes
                                    -6.1834164
## 28506 0.0268199234
                              yes
                                    -6.1834164
## 28507 0.0314176245
                              yes
                                    -6.1834164
## 28508 0.0053639847
                              yes
                                    -6.1834164
## 28509 0.0022988506
                              yes
                                    -6.1834164
## 28510 0.0000000000
                              yes
                                    -6.1834164
## 28511 0.0160919540
                              yes
                                    -6.1834164
## 28512 0.0015325670
                              yes
                                    -6.1834164
## 28513 0.0007662835
                              yes
                                    -6.3749536
## 28514 0.0000000000
                              yes
                                    -6.3749536
## 28515 0.0000000000
                              yes
                                    -6.3749536
## 28516 0.0000000000
                              yes
                                    -6.3749536
## 28517 0.0022988506
                                    -6.3749536
                              yes
## 28518 0.0000000000
                                    -6.3749536
                              yes
## 28519 0.0000000000
                              yes
                                    -6.3749536
## 28520 0.0000000000
                              yes
                                    -6.3749536
## 28521 0.0191570881
                              ves
                                    -6.3749536
## 28522 0.0291187739
                              yes
                                    -6.3749536
## 28523 0.0000000000
                              yes
                                    -6.3749536
## 28524 0.0000000000
                              yes
                                    -6.3749536
## 28525 0.0000000000
                              yes
                                    -6.3749536
## 28526 0.0007662835
                              yes
                                    -6.3749536
## 28527 0.0022988506
                                    -6.3749536
                              yes
## 28528 0.0000000000
                              yes
                                    -6.3749536
## 28529 0.0000000000
                                   -6.3749536
                              yes
```

```
## 28530 0.0007662835
                              ves
                                    -6.3749536
## 28531 0.0030651341
                              yes
                                    -6.3749536
## 28532 0.0000000000
                              yes
                                    -6.3749536
## 28533 0.0007662835
                              yes
                                    -6.3749536
## 28534 0.0007662835
                              yes
                                    -6.3749536
## 28535 0.0000000000
                                    -6.3749536
                              yes
## 28536 0.0007662835
                              yes
                                    -6.3749536
## 28537 0.0000000000
                              yes
                                    -6.3749536
## 28538 0.0007662835
                              yes
                                    -6.3749536
## 28539 0.0038314176
                              yes
                                    -6.3749536
## 28540 0.0000000000
                                    -6.3749536
                              yes
## 28541 0.0007662835
                              yes
                                    -6.3749536
## 28542 0.0007662835
                                    -6.3749536
                              yes
## 28543 0.0099616858
                                    -6.3749536
                              yes
## 28544 0.0007662835
                              yes
                                    -6.3749536
## 28545 0.0199233716
                                    -6.3749536
                              yes
## 28546 0.0000000000
                              yes
                                    -6.3749536
## 28547 0.0000000000
                              yes
                                    -6.3749536
## 28548 0.0000000000
                              yes
                                    -6.3749536
## 28549 0.0015325670
                              yes
                                    -6.3749536
## 28550 0.0000000000
                              yes
                                    -6.3749536
## 28551 0.0007662835
                                    -6.3749536
                              yes
## 28552 0.0000000000
                                    -6.3749536
                              yes
## 28553 0.0000000000
                              yes
                                    -6.3749536
## 28554 0.0038314176
                                    -6.3749536
                              yes
## 28555 0.0000000000
                              yes
                                    -6.3749536
## 28556 0.0000000000
                              yes
                                    -6.3749536
## 28557 0.0007662835
                              yes
                                    -6.3749536
## 28558 0.0000000000
                              yes
                                    -6.3749536
## 28559 0.0000000000
                              yes
                                    -6.3749536
## 28560 0.0000000000
                                    -6.3749536
                              yes
## 28561 0.0000000000
                              yes
                                    -6.3749536
## 28562 0.0000000000
                                    -6.3749536
                              yes
## 28563 0.0007662835
                              yes
                                    -6.3749536
## 28564 0.0007662835
                              yes
                                    -6.3749536
## 28565 0.0030651341
                              yes
                                    -6.3749536
## 28566 0.0000000000
                              yes
                                    -6.3749536
## 28567 0.0015325670
                                    -6.3749536
                              yes
## 28568 0.0007662835
                                    -6.3749536
                              yes
## 28569 0.0000000000
                              yes
                                    -6.3749536
## 28570 0.0000000000
                              yes
                                    -6.3749536
## 28571 0.0000000000
                              ves
                                    -6.3749536
## 28572 0.0000000000
                              yes
                                    -6.3749536
## 28573 0.0000000000
                              yes
                                    -6.3749536
## 28574 0.0000000000
                              yes
                                    -6.3749536
## 28575 0.0000000000
                              yes
                                    -6.3749536
## 28576 0.0007662835
                              yes
                                    -6.3749536
## 28577 0.0436781609
                                    -6.3749536
                              yes
## 28578 0.0007662835
                              yes
                                    -6.3749536
## 28579 0.0030651341
                                   -6.3749536
                              yes
```

```
## 28580 0.0000000000
                              ves
                                    -6.3749536
## 28581 0.0000000000
                              yes
                                    -6.3749536
## 28582 0.0007662835
                              yes
                                    -6.3749536
## 28583 0.0038314176
                              yes
                                    -6.3749536
## 28584 0.0130268199
                              yes
                                    -6.3749536
## 28585 0.0000000000
                                    -6.3749536
                              yes
## 28586 0.0000000000
                              yes
                                    -6.3749536
## 28587 0.0015325670
                              yes
                                    -6.3749536
## 28588 0.0022988506
                              yes
                                    -6.3749536
## 28589 0.0000000000
                              yes
                                    -6.3749536
## 28590 0.0000000000
                                    -6.3749536
                              yes
## 28591 0.0000000000
                              yes
                                    -6.3749536
## 28592 0.0000000000
                                    -6.3749536
                              yes
## 28593 0.0000000000
                                    -6.3749536
                              yes
## 28594 0.0000000000
                              yes
                                    -6.3749536
## 28595 0.0007662835
                                    -6.3749536
                              yes
## 28596 0.0000000000
                              yes
                                    -6.3749536
## 28597 0.0091954023
                              yes
                                    -6.3749536
## 28598 0.0045977011
                              yes
                                    -6.3749536
## 28599 0.00000000000
                              yes
                                    -6.3749536
## 28600 0.00000000000
                              yes
                                    -6.3749536
## 28601 0.00000000000
                                    -6.3749536
                              yes
## 28602 0.0000000000
                                    -6.3749536
                              yes
## 28603 0.0084291188
                              yes
                                    -6.3749536
## 28604 0.0000000000
                                    -6.3749536
                              yes
## 28605 0.0007662835
                              yes
                                    -6.3749536
## 28606 0.0000000000
                              yes
                                    -6.3749536
## 28607 0.0000000000
                              yes
                                    -6.3749536
## 28608 0.0015325670
                              yes
                                    -6.3749536
## 28609 0.0000000000
                              yes
                                    -6.3749536
## 28610 0.0007662835
                              yes
                                    -6.3749536
## 28611 0.0000000000
                              yes
                                    -6.3749536
## 28612 0.0000000000
                              yes
                                    -6.3749536
## 28613 0.0022988506
                              yes
                                    -6.3749536
## 28614 0.0000000000
                              yes
                                    -6.3749536
## 28615 0.0007662835
                              yes
                                    -6.3749536
## 28616 0.0022988506
                              yes
                                    -6.3749536
## 28617 0.0053639847
                                    -6.3749536
                              yes
## 28618 0.0000000000
                                    -6.3749536
                              yes
## 28619 0.0000000000
                              yes
                                    -6.3749536
## 28620 0.0030651341
                              yes
                                    -6.3749536
## 28621 0.0000000000
                              ves
                                    -6.3749536
## 28622 0.0000000000
                              yes
                                    -6.3749536
## 28623 0.0000000000
                              yes
                                    -6.3749536
## 28624 0.0000000000
                              yes
                                    -6.3749536
## 28625 0.0000000000
                              yes
                                    -6.3749536
## 28626 0.0068965517
                              yes
                                    -6.3749536
## 28627 0.0000000000
                                    -6.3749536
                              yes
## 28628 0.0015325670
                              yes
                                    -6.3749536
## 28629 0.0000000000
                                   -6.3749536
                              yes
```

```
## 28630 0.0000000000
                              ves
                                    -6.3749536
## 28631 0.0000000000
                              yes
                                    -6.3749536
## 28632 0.0015325670
                              yes
                                    -6.3749536
## 28633 0.0000000000
                              yes
                                    -6.3749536
## 28634 0.0000000000
                              yes
                                    -6.3749536
## 28635 0.0007662835
                                    -6.3749536
                              yes
## 28636 0.0022988506
                              yes
                                    -6.3749536
## 28637 0.0084291188
                              yes
                                    -6.3749536
## 28638 0.0130268199
                              yes
                                    -6.3749536
## 28639 0.0053639847
                              yes
                                    -6.3749536
## 28640 0.0000000000
                                    -6.3749536
                              yes
## 28641 0.0000000000
                              yes
                                    -6.3749536
## 28642 0.0076628352
                                    -6.3749536
                              yes
## 28643 0.0007662835
                                    -6.3749536
                              yes
## 28644 0.0000000000
                              yes
                                    -6.3749536
## 28645 0.0000000000
                                    -6.3749536
                              yes
## 28646 0.0015325670
                              yes
                                    -6.3749536
## 28647 0.0000000000
                              yes
                                    -6.3749536
## 28648 0.0007662835
                              yes
                                    -6.3749536
## 28649 0.0007662835
                              yes
                                    -6.3749536
## 28650 0.0000000000
                              yes
                                    -6.3749536
## 28651 0.0007662835
                                    -6.3749536
                              yes
## 28652 0.0000000000
                              yes
                                    -6.3749536
## 28653 0.0007662835
                              yes
                                    -6.3749536
## 28654 0.0007662835
                                    -6.3749536
                              yes
## 28655 0.0000000000
                              yes
                                    -6.3749536
## 28656 0.0000000000
                              yes
                                    -6.3749536
## 28657 0.0000000000
                              yes
                                    -6.3749536
## 28658 0.0015325670
                              yes
                                    -6.3749536
## 28659 0.0015325670
                              yes
                                    -6.3749536
## 28660 0.0007662835
                              yes
                                    -6.3749536
## 28661 0.0030651341
                              yes
                                    -6.3749536
## 28662 0.0022988506
                              yes
                                    -6.3749536
## 28663 0.0076628352
                              yes
                                    -6.3749536
## 28664 0.0007662835
                              yes
                                    -6.3749536
## 28665 0.0000000000
                              yes
                                    -6.3749536
## 28666 0.00000000000
                              yes
                                    -6.3749536
## 28667 0.0000000000
                                    -6.3749536
                              yes
## 28668 0.0007662835
                                    -6.3749536
                              yes
## 28669 0.0000000000
                              yes
                                    -6.4187695
## 28670 0.0000000000
                              yes
                                    -6.4187695
## 28671 0.0000000000
                              yes
                                    -6.4187695
## 28672 0.0000000000
                              yes
                                    -6.4187695
## 28673 0.0007662835
                              yes
                                    -6.4187695
## 28674 0.0000000000
                              yes
                                    -6.4187695
## 28675 0.0000000000
                              yes
                                    -6.4187695
## 28676 0.0000000000
                              yes
                                    -6.4187695
## 28677 0.0000000000
                                    -6.4187695
                              yes
## 28678 0.0000000000
                              yes
                                    -6.4187695
## 28679 0.0000000000
                                   -6.4187695
                              yes
```

```
## 28680 0.0000000000
                              ves
                                    -6.4187695
## 28681 0.0000000000
                              yes
                                    -6.4187695
## 28682 0.0000000000
                                    -6.4187695
                              yes
## 28683 0.0000000000
                              yes
                                    -6.4187695
## 28684 0.0000000000
                              yes
                                    -6.4187695
## 28685 0.0000000000
                              yes
                                    -6.4187695
## 28686 0.0000000000
                              yes
                                    -6.4187695
## 28687 0.0000000000
                              yes
                                    -6.4187695
## 28688 0.0000000000
                              yes
                                    -6.4187695
## 28689 0.0000000000
                              yes
                                    -6.4187695
## 28690 0.0007662835
                              yes
                                    -6.4187695
## 28691 0.0000000000
                              yes
                                    -6.4187695
## 28692 0.00000000000
                              yes
                                    -6.4187695
## 28693 0.0000000000
                              yes
                                    -6.4187695
## 28694 0.0000000000
                              yes
                                    -6.4187695
## 28695 0.0007662835
                              yes
                                    -6.4187695
## 28696 0.0000000000
                              yes
                                    -6.4187695
## 28697 0.0000000000
                              yes
                                    -6.4187695
## 28698 0.0000000000
                              yes
                                    -6.4187695
## 28699 0.0000000000
                              yes
                                    -6.4187695
## 28700 0.00000000000
                              yes
                                    -6.4187695
## 28701 0.00000000000
                              yes
                                    -6.4187695
## 28702 0.0000000000
                              yes
                                    -6.4187695
## 28703 0.0000000000
                              yes
                                    -6.4187695
## 28704 0.0000000000
                              yes
                                    -6.4187695
## 28705 0.0000000000
                              yes
                                    -6.4187695
## 28706 0.0000000000
                              yes
                                    -6.4187695
## 28707 0.0000000000
                              yes
                                    -6.4187695
## 28708 0.0000000000
                              yes
                                    -6.4187695
## 28709 0.0000000000
                              yes
                                    -6.4187695
## 28710 0.0000000000
                              yes
                                    -6.4187695
## 28711 0.0000000000
                              yes
                                    -6.4187695
## 28712 0.0000000000
                              yes
                                    -6.4187695
## 28713 0.0000000000
                              yes
                                    -6.4187695
## 28714 0.0000000000
                              yes
                                    -6.4187695
## 28715 0.0000000000
                              yes
                                    -6.4187695
## 28716 0.0000000000
                              yes
                                    -6.4187695
## 28717 0.0000000000
                              yes
                                    -6.4187695
                              yes
## 28718 0.0000000000
                                    -6.4187695
## 28719 0.0000000000
                              yes
                                    -6.4187695
## 28720 0.0000000000
                              yes
                                    -6.4187695
## 28721 0.0000000000
                              yes
                                    -6.4187695
## 28722 0.0000000000
                              yes
                                    -6.4187695
## 28723 0.0000000000
                              yes
                                    -6.4187695
## 28724 0.0000000000
                              yes
                                    -6.4187695
## 28725 0.0000000000
                              yes
                                    -6.4187695
## 28726 0.0000000000
                              yes
                                    -6.4187695
                              yes
## 28727 0.0000000000
                                    -6.4187695
## 28728 0.0000000000
                              yes
                                    -6.4187695
## 28729 0.0000000000
                              yes
                                   -6.4187695
```

```
## 28730 0.0000000000
                              ves
                                    -6.4187695
## 28731 0.0000000000
                              yes
                                    -6.4187695
## 28732 0.0000000000
                                    -6.4187695
                              yes
## 28733 0.0000000000
                              yes
                                    -6.4187695
## 28734 0.00000000000
                              yes
                                    -6.4187695
## 28735 0.0000000000
                                    -6.4187695
                              yes
## 28736 0.00000000000
                              yes
                                    -6.4187695
## 28737 0.0000000000
                              yes
                                    -6.4187695
## 28738 0.0000000000
                              yes
                                    -6.4187695
## 28739 0.0000000000
                              yes
                                    -6.4187695
## 28740 0.0000000000
                              yes
                                    -6.4187695
## 28741 0.0000000000
                              yes
                                    -6.4187695
## 28742 0.0045977011
                              yes
                                    -4.1687519
## 28743 0.0000000000
                                    -4.1687519
                              yes
## 28744 0.0000000000
                              yes
                                    -4.1687519
## 28745 0.0000000000
                                    -4.1687519
                              yes
## 28746 0.0007662835
                              yes
                                    -4.1687519
## 28747 0.0398467433
                              yes
                                    -4.1687519
## 28748 0.0237547893
                                    -4.1687519
                              yes
## 28749 0.0022988506
                              yes
                                    -4.1687519
## 28750 0.0137931034
                              yes
                                    -4.1687519
## 28751 0.0022988506
                                    -4.1687519
                              yes
## 28752 0.0114942529
                              yes
                                    -4.1687519
## 28753 0.0053639847
                              yes
                                    -4.1687519
## 28754 0.0053639847
                              yes
                                    -4.1687519
## 28755 0.0000000000
                              yes
                                    -4.1687519
## 28756 0.0191570881
                              yes
                                    -4.1687519
## 28757 0.0091954023
                              yes
                                    -4.1687519
## 28758 0.0000000000
                                    -4.1687519
                              yes
## 28759 0.0007662835
                              yes
                                    -4.1687519
## 28760 0.0681992337
                              yes
                                    -4.1687519
## 28761 0.0007662835
                              yes
                                    -4.1687519
## 28762 0.0022988506
                                    -4.1687519
                              yes
## 28763 0.0045977011
                              yes
                                    -4.1687519
## 28764 0.0360153257
                              yes
                                    -4.1687519
## 28765 0.0007662835
                              yes
                                    -4.1687519
## 28766 0.0206896552
                              yes
                                    -4.1687519
## 28767 0.0000000000
                              yes
                                    -6.2342289
## 28768 0.0000000000
                                    -6.2342289
                              yes
## 28769 0.00000000000
                              yes
                                    -6.2342289
## 28770 0.0000000000
                              yes
                                    -6.2342289
## 28771 0.0000000000
                              ves
                                    -6.2342289
## 28772 0.0000000000
                              yes
                                    -6.2342289
## 28773 0.0000000000
                              yes
                                    -6.2342289
## 28774 0.0000000000
                                    -6.2342289
                              yes
## 28775 0.0000000000
                                    -6.2342289
                              yes
## 28776 0.0000000000
                                    -6.2342289
                              yes
## 28777 0.0000000000
                                    -6.2342289
                              yes
  28778 0.00000000000
                              yes
                                    -6.2342289
## 28779 0.0000000000
                                   -6.2342289
                              yes
```

```
## 28780 0.0000000000
                              ves
                                    -6.2342289
## 28781 0.0000000000
                              yes
                                    -5.4914086
## 28782 0.0030651341
                                    -5.4914086
                              yes
## 28783 0.0452107280
                                    -5.4914086
                              yes
## 28784 0.0022988506
                              yes
                                    -5.4914086
## 28785 0.0007662835
                              yes
                                    -5.4914086
## 28786 0.0030651341
                              yes
                                    -5.4914086
## 28787 0.0007662835
                              yes
                                    -5.4914086
## 28788 0.0015325670
                              yes
                                    -5.4914086
## 28789 0.0022988506
                              yes
                                    -5.4914086
## 28790 0.0015325670
                              yes
                                    -5.4914086
## 28791 0.0153256705
                              yes
                                    -5.4914086
## 28792 0.0045977011
                              yes
                                    -5.4914086
## 28793 0.0000000000
                              yes
                                    -5.4914086
## 28794 0.0084291188
                              yes
                                    -5.4914086
## 28795 0.0038314176
                                    -5.4914086
                              yes
## 28796 0.0000000000
                              yes
                                    -5.4914086
## 28797 0.0000000000
                              yes
                                    -5.4914086
## 28798 0.0007662835
                                    -5.4914086
                              yes
## 28799 0.00000000000
                                    -4.3113712
                              yes
## 28800 0.0007662835
                              yes
                                    -4.3113712
## 28801 0.0022988506
                                    -4.3113712
                              yes
## 28802 0.0084291188
                              yes
                                    -4.3113712
## 28803 0.0214559387
                              yes
                                    -4.3113712
## 28804 0.0022988506
                                    -4.3113712
                              yes
## 28805 0.0107279693
                              yes
                                    -4.3113712
## 28806 0.0022988506
                                    -4.3113712
                              yes
## 28807 0.0321839080
                              yes
                                    -4.3113712
## 28808 0.0812260536
                                    -4.3113712
                              yes
## 28809 0.0022988506
                                    -4.3113712
                              yes
## 28810 0.0237547893
                              yes
                                    -4.3113712
## 28811 0.0000000000
                              yes
                                    -4.3113712
## 28812 0.0283524904
                                    -4.3113712
                              yes
## 28813 0.0007662835
                              yes
                                    -4.3113712
## 28814 0.0114942529
                              yes
                                    -4.3113712
## 28815 0.0206896552
                                    -4.3113712
                              yes
## 28816 0.0360153257
                              yes
                                    -4.3113712
## 28817 0.0061302682
                                    -4.3113712
                              yes
## 28818 0.0061302682
                                    -4.3113712
                              yes
## 28819 0.0000000000
                              yes
                                    -4.3113712
## 28820 0.0467432950
                              yes
                                    -4.3113712
## 28821 0.0015325670
                              ves
                                    -6.2959617
## 28822 0.0007662835
                              yes
                                    -6.2959617
## 28823 0.0038314176
                              yes
                                    -6.2959617
## 28824 0.0030651341
                                    -6.2959617
                              yes
## 28825 0.0030651341
                                    -6.2959617
                              yes
## 28826 0.0045977011
                                    -6.2959617
                              yes
## 28827 0.0015325670
                                    -6.2959617
                              yes
## 28828 0.0000000000
                              yes
                                    -6.2959617
## 28829 0.0007662835
                                   -6.3585592
                              yes
```

```
## 28830 0.0000000000
                              ves
                                    -6.3585592
## 28831 0.0015325670
                              yes
                                    -6.3585592
## 28832 0.0007662835
                                    -6.3585592
                              yes
## 28833 0.0007662835
                              yes
                                    -6.3585592
## 28834 0.0022988506
                              yes
                                    -6.3585592
## 28835 0.0000000000
                                    -6.3585592
                              yes
## 28836 0.0007662835
                              yes
                                    -6.3585592
## 28837 0.0007662835
                              yes
                                    -6.3585592
## 28838 0.0000000000
                              yes
                                    -6.3585592
## 28839 0.0015325670
                              yes
                                    -6.2959727
## 28840 0.0000000000
                                    -6.2959727
                              yes
## 28841 0.0022988506
                              yes
                                    -6.2959727
## 28842 0.0007662835
                                    -6.2959727
                              yes
## 28843 0.0022988506
                                    -6.2959727
                              yes
## 28844 0.0022988506
                              yes
                                    -6.2959727
## 28845 0.0000000000
                                    -6.2959727
                              yes
## 28846 0.0000000000
                              yes
                                    -6.2959727
## 28847 0.0000000000
                              yes
                                    -6.2959727
## 28848 0.0007662835
                                    -6.2959727
                              yes
## 28849 0.0000000000
                              yes
                                    -6.2959727
## 28850 0.0038314176
                              yes
                                    -6.2959727
## 28851 0.0007662835
                                    -6.2959727
                              yes
## 28852 0.0000000000
                                    -6.2959727
                              yes
## 28853 0.0000000000
                              yes
                                    -6.2959727
## 28854 0.0000000000
                                    -6.2959727
                              yes
## 28855 0.0015325670
                              yes
                                    -6.2959727
## 28856 0.0000000000
                              yes
                                    -6.2959727
## 28857 0.0007662835
                              yes
                                    -6.2959727
## 28858 0.0000000000
                              yes
                                    -6.2959727
## 28859 0.0000000000
                                    -6.2959727
                              yes
## 28860 0.0000000000
                              yes
                                    -6.2959727
## 28861 0.0000000000
                              yes
                                    -6.2959727
## 28862 0.0015325670
                                    -6.2959727
                              yes
## 28863 0.0007662835
                              yes
                                    -6.2959727
## 28864 0.0000000000
                              yes
                                    -6.2959727
## 28865 0.0007662835
                              yes
                                    -6.2959727
## 28866 0.0015325670
                              yes
                                    -6.2959727
## 28867 0.0000000000
                                    -6.2959727
                              yes
## 28868 0.0000000000
                                    -6.2959727
                              yes
## 28869 0.0000000000
                              yes
                                    -6.2959727
## 28870 0.0000000000
                              yes
                                    -6.2959727
## 28871 0.0000000000
                              ves
                                    -6.2959727
## 28872 0.0000000000
                              yes
                                    -6.2959727
## 28873 0.0000000000
                              yes
                                    -6.2959727
## 28874 0.0000000000
                                    -6.2959727
                              yes
## 28875 0.0000000000
                                    -6.2959727
                              yes
## 28876 0.0000000000
                                    -6.2959727
                              yes
## 28877 0.0000000000
                                    -6.2959727
                              yes
## 28878 0.0007662835
                              yes
                                    -6.3028744
## 28879 0.0030651341
                                   -6.3028744
                              yes
```

```
## 28880 0.0015325670
                              ves
                                    -6.3028744
## 28881 0.0000000000
                              yes
                                    -6.3028744
## 28882 0.0007662835
                                    -4.9232804
                              yes
## 28883 0.0000000000
                                    -4.9232804
                              yes
## 28884 0.0007662835
                              yes
                                    -4.9232804
## 28885 0.0000000000
                                    -4.9232804
                              yes
## 28886 0.0000000000
                                    -4.9232804
                              yes
## 28887 0.0000000000
                              yes
                                    -4.9232804
## 28888 0.0000000000
                              yes
                                    -4.9232804
## 28889 0.0000000000
                                    -4.9232804
                              yes
## 28890 0.0045977011
                              yes
                                    -4.9232804
## 28891 0.0000000000
                              yes
                                    -4.9232804
## 28892 0.0015325670
                                    -4.9232804
                              yes
## 28893 0.0053639847
                                    -4.9232804
                              yes
## 28894 0.0007662835
                              yes
                                    -4.9232804
## 28895 0.0000000000
                                    -4.9232804
                              yes
## 28896 0.0000000000
                              yes
                                    -4.9232804
## 28897 0.0000000000
                              yes
                                    -4.9232804
## 28898 0.0000000000
                                    -4.9232804
                              yes
## 28899 0.0000000000
                                    -4.9232804
                              yes
## 28900 0.00000000000
                                    -4.9232804
                              yes
## 28901 0.00000000000
                                    -4.9232804
                              yes
## 28902 0.0000000000
                              yes
                                    -4.9232804
## 28903 0.0000000000
                                    -4.9232804
                              yes
## 28904 0.0015325670
                                    -4.9232804
                              yes
## 28905 0.0000000000
                              yes
                                    -4.9232804
## 28906 0.0145593870
                                    -4.9232804
                              yes
## 28907 0.0000000000
                              yes
                                    -4.9232804
## 28908 0.0000000000
                                    -4.9232804
                              yes
## 28909 0.0007662835
                                    -4.9232804
                              yes
## 28910 0.0015325670
                              yes
                                    -4.9232804
## 28911 0.0000000000
                              yes
                                    -4.9232804
## 28912 0.0000000000
                                    -4.9232804
                              yes
## 28913 0.0000000000
                              yes
                                    -4.9232804
## 28914 0.0022988506
                              yes
                                    -4.9232804
## 28915 0.0000000000
                                    -4.9232804
                              yes
## 28916 0.0022988506
                              yes
                                    -4.9232804
## 28917 0.0000000000
                                    -4.9232804
                              yes
                              yes
## 28918 0.0000000000
                                    -4.9232804
## 28919 0.0030651341
                              yes
                                    -4.9232804
## 28920 0.0000000000
                                    -4.9232804
                              yes
## 28921 0.0000000000
                              ves
                                    -4.9232804
## 28922 0.0000000000
                              yes
                                    -4.9232804
## 28923 0.0000000000
                              yes
                                    -4.9232804
## 28924 0.0000000000
                                    -4.9232804
                              yes
## 28925 0.0000000000
                                    -4.9232804
                              yes
## 28926 0.0000000000
                                    -4.9232804
                              yes
## 28927 0.0000000000
                                    -4.9232804
                              yes
## 28928 0.0000000000
                              yes
                                    -4.9232804
## 28929 0.0000000000
                                   -4.9232804
                              yes
```

```
## 28930 0.0007662835
                              ves
                                    -4.9232804
## 28931 0.0007662835
                              yes
                                    -4.9232804
## 28932 0.0237547893
                                    -4.9232804
                              yes
## 28933 0.0000000000
                                    -4.9232804
                              yes
## 28934 0.0000000000
                              yes
                                    -4.9232804
## 28935 0.1471264368
                                    -4.9232804
                              yes
## 28936 0.0022988506
                              yes
                                    -4.9232804
## 28937 0.0007662835
                              yes
                                    -4.9232804
## 28938 0.0000000000
                              yes
                                    -4.9232804
## 28939 0.0007662835
                              yes
                                    -4.9232804
## 28940 0.0000000000
                              yes
                                    -4.9232804
## 28941 0.0000000000
                              yes
                                    -4.9232804
## 28942 0.0007662835
                                    -4.9232804
                              yes
## 28943 0.0000000000
                                    -4.9232804
                              yes
## 28944 0.0007662835
                              yes
                                    -4.9232804
## 28945 0.0007662835
                                    -4.9232804
                              yes
## 28946 0.0000000000
                              yes
                                    -4.9232804
## 28947 0.0000000000
                              yes
                                    -4.9232804
## 28948 0.0007662835
                                    -4.9232804
                              yes
## 28949 0.0000000000
                                    -4.9232804
                              yes
## 28950 0.0000000000
                              yes
                                    -4.9232804
## 28951 0.0007662835
                              yes
                                    -4.9232804
## 28952 0.0007662835
                              yes
                                    -4.9232804
## 28953 0.0000000000
                              yes
                                    -4.9232804
## 28954 0.0000000000
                                    -4.9232804
                              yes
## 28955 0.0000000000
                              yes
                                    -4.9232804
## 28956 0.0000000000
                                    -4.9232804
                              yes
## 28957 0.0000000000
                              yes
                                    -4.9232804
## 28958 0.0084291188
                                    -5.6908319
                              yes
## 28959 0.0084291188
                              yes
                                    -5.6908319
## 28960 0.0015325670
                              yes
                                    -5.6908319
## 28961 0.0045977011
                              yes
                                    -5.6908319
## 28962 0.0000000000
                                    -5.6908319
                              yes
## 28963 0.0000000000
                              yes
                                    -5.6908319
## 28964 0.0007662835
                              yes
                                    -5.6908319
## 28965 0.0061302682
                              yes
                                    -5.6908319
## 28966 0.0000000000
                              yes
                                    -5.6908319
## 28967 0.0068965517
                                    -5.6908319
                              yes
## 28968 0.0045977011
                                    -5.6908319
                              yes
## 28969 0.0007662835
                              yes
                                    -5.6908319
## 28970 0.0076628352
                              yes
                                    -5.6908319
## 28971 0.0000000000
                              ves
                                    -5.6908319
## 28972 0.0000000000
                              yes
                                    -5.6908319
## 28973 0.0651340996
                              yes
                                    -5.6908319
## 28974 0.0007662835
                                    -5.6908319
                              yes
## 28975 0.0015325670
                                    -5.6908319
                              yes
## 28976 0.0000000000
                                    -5.6908319
                              yes
## 28977 0.0061302682
                                    -5.6908319
                              yes
## 28978 0.0360153257
                              yes
                                    -5.6908319
## 28979 0.0000000000
                              yes -5.6908319
```

```
## 28980 0.0007662835
                              ves
                                    -5.6908319
## 28981 0.0000000000
                              yes
                                    -5.6908319
## 28982 0.0000000000
                                    -5.6908319
                              yes
## 28983 0.0007662835
                                    -5.6908319
                              yes
                                    -5.6908319
## 28984 0.0015325670
                              yes
## 28985 0.0007662835
                              yes
                                    -5.6908319
## 28986 0.0000000000
                              yes
                                    -5.6908319
## 28987 0.0015325670
                              yes
                                    -5.6908319
## 28988 0.0107279693
                              yes
                                    -5.6908319
## 28989 0.0000000000
                              yes
                                    -5.6908319
## 28990 0.0007662835
                              yes
                                    -5.6908319
## 28991 0.0000000000
                              yes
                                    -5.6908319
## 28992 0.0000000000
                              yes
                                    -5.6908319
## 28993 0.0068965517
                              yes
                                    -5.6908319
## 28994 0.0015325670
                              yes
                                    -5.6908319
## 28995 0.0091954023
                              yes
                                    -5.6908319
## 28996 0.0000000000
                              yes
                                    -5.6908319
## 28997 0.0176245211
                              yes
                                    -5.6908319
## 28998 0.0030651341
                              yes
                                    -5.6908319
## 28999 0.0030651341
                                    -5.6908319
                              yes
## 29000 0.0130268199
                              yes
                                    -5.6908319
## 29001 0.0007662835
                              yes
                                    -5.6908319
## 29002 0.0260536398
                              yes
                                    -5.6908319
## 29003 0.0000000000
                              yes
                                    -5.6908319
## 29004 0.0038314176
                                    -5.6908319
                              yes
## 29005 0.0038314176
                              yes
                                    -5.6908319
## 29006 0.0191570881
                              yes
                                    -5.6908319
## 29007 0.0015325670
                              yes
                                    -5.6908319
## 29008 0.0030651341
                                    -5.6908319
                              yes
## 29009 0.0007662835
                              yes
                                    -5.6908319
## 29010 0.0291187739
                              yes
                                    -5.6908319
## 29011 0.0091954023
                              yes
                                    -5.6908319
## 29012 0.0000000000
                                    -5.6908319
                              yes
## 29013 0.0199233716
                              yes
                                    -5.6908319
## 29014 0.0015325670
                              yes
                                    -5.6908319
## 29015 0.0000000000
                              yes
                                    -5.6908319
## 29016 0.0030651341
                              yes
                                    -5.6908319
## 29017 0.0000000000
                              yes
                                    -5.6908319
                              yes
## 29018 0.0007662835
                                    -5.6908319
## 29019 0.0015325670
                              yes
                                    -5.6908319
## 29020 0.0000000000
                              yes
                                    -5.6908319
## 29021 0.0727969349
                              ves
                                    -3.9120263
## 29022 0.0000000000
                              yes
                                    -3.9120263
## 29023 0.0007662835
                              yes
                                    -3.9120263
## 29024 0.0038314176
                                    -3.9120263
                              yes
## 29025 0.0022988506
                                    -3.9120263
                              yes
## 29026 0.0022988506
                                    -3.9120263
                              yes
## 29027 0.0007662835
                                    -3.9120263
                              yes
## 29028 0.0114942529
                              yes
                                    -3.9120263
## 29029 0.0000000000
                              yes -3.9120263
```

```
## 29030 0.0099616858
                              ves
                                    -3.9120263
## 29031 0.0176245211
                              yes
                                    -3.9120263
## 29032 0.0038314176
                                    -3.9120263
                              yes
## 29033 0.0000000000
                                    -3.9120263
                              yes
## 29034 0.0329501916
                              yes
                                    -3.9120263
## 29035 0.0000000000
                                    -3.9120263
                              yes
## 29036 0.0007662835
                              yes
                                    -3.9120263
## 29037 0.0091954023
                              yes
                                    -3.9120263
## 29038 0.0314176245
                              yes
                                    -3.9120263
## 29039 0.0045977011
                              yes
                                    -3.9120263
## 29040 0.0000000000
                                    -3.9120263
                              yes
## 29041 0.0000000000
                              yes
                                    -6.2681382
## 29042 0.0000000000
                                    -6.2681382
                              yes
## 29043 0.0000000000
                                    -6.2681382
                              yes
## 29044 0.0000000000
                              yes
                                    -6.2681382
## 29045 0.0000000000
                              yes
                                    -6.2681382
## 29046 0.0000000000
                              yes
                                    -6.2681382
## 29047 0.0015325670
                              yes
                                    -6.2681382
## 29048 0.0000000000
                              yes
                                    -6.2681382
## 29049 0.0000000000
                              yes
                                    -6.2681382
## 29050 0.0007662835
                              yes
                                    -6.2681382
## 29051 0.0000000000
                                    -6.2681382
                              yes
## 29052 0.0000000000
                                    -6.2681382
                              yes
## 29053 0.0000000000
                              yes
                                    -6.2681382
## 29054 0.0000000000
                                    -6.2681382
                              yes
## 29055 0.0000000000
                              yes
                                    -6.2681382
## 29056 0.0000000000
                              yes
                                    -6.2681382
## 29057 0.0000000000
                              yes
                                    -6.2681382
## 29058 0.0007662835
                              yes
                                    -6.2681382
## 29059 0.0030651341
                              yes
                                    -6.2681382
## 29060 0.0000000000
                                    -6.2681382
                              yes
## 29061 0.0000000000
                              yes
                                    -6.2681382
## 29062 0.0000000000
                              yes
                                    -6.2681382
## 29063 0.0022988506
                              yes
                                    -6.2681382
## 29064 0.0007662835
                              yes
                                    -6.2681382
## 29065 0.0007662835
                                    -6.2681382
                              yes
## 29066 0.0000000000
                              yes
                                    -6.2681382
## 29067 0.0000000000
                                    -6.2681382
                              yes
## 29068 0.0007662835
                                    -6.2681382
                              yes
## 29069 0.0000000000
                              yes
                                    -6.2681382
## 29070 0.0000000000
                              yes
                                    -6.2681382
## 29071 0.0000000000
                              ves
                                    -6.2681382
## 29072 0.0000000000
                              yes
                                    -6.2681382
## 29073 0.0000000000
                              yes
                                    -6.2681382
## 29074 0.0000000000
                              yes
                                    -6.2681382
## 29075 0.0000000000
                              yes
                                    -6.2681382
## 29076 0.0000000000
                              yes
                                    -6.2681382
## 29077 0.0000000000
                                    -6.2681382
                              yes
## 29078 0.0000000000
                              yes
                                    -6.2681382
## 29079 0.0000000000
                                   -6.2681382
                              yes
```

```
## 29080 0.0007662835
                              ves
                                    -6.2681382
## 29081 0.0007662835
                              yes
                                    -6.2681382
## 29082 0.0000000000
                                    -6.2681382
                              yes
## 29083 0.0007662835
                              yes
                                    -6.2681382
## 29084 0.0000000000
                              yes
                                    -6.2681382
## 29085 0.0030651341
                                    -6.2681382
                              yes
## 29086 0.0007662835
                              yes
                                    -6.2681382
## 29087 0.0000000000
                              yes
                                    -6.2681382
## 29088 0.0015325670
                              yes
                                    -6.2681382
## 29089 0.0000000000
                              yes
                                    -6.2681382
## 29090 0.0007662835
                                    -6.2681382
                              yes
## 29091 0.0000000000
                              yes
                                    -6.2681382
## 29092 0.0000000000
                                    -6.2681382
                              yes
## 29093 0.0068965517
                                    -6.2681382
                              yes
## 29094 0.0000000000
                              yes
                                    -6.2681382
## 29095 0.0000000000
                              yes
                                    -6.2681382
## 29096 0.0000000000
                              yes
                                    -6.2681382
## 29097 0.0000000000
                              yes
                                    -6.2681382
## 29098 0.0000000000
                              yes
                                    -6.2681382
## 29099 0.0000000000
                              yes
                                    -6.2681382
## 29100 0.0000000000
                              yes
                                    -6.2681382
## 29101 0.0000000000
                                    -6.2681382
                              yes
## 29102 0.0015325670
                                    -6.2681382
                              yes
## 29103 0.0000000000
                              yes
                                    -6.2681382
## 29104 0.0015325670
                                    -6.2681382
                              yes
## 29105 0.0007662835
                              yes
                                    -6.2681382
## 29106 0.0000000000
                              yes
                                    -6.2681382
## 29107 0.0000000000
                              yes
                                    -6.2681382
## 29108 0.0000000000
                              yes
                                    -6.2681382
## 29109 0.0000000000
                              yes
                                    -6.2681382
## 29110 0.0007662835
                                    -6.2681382
                              yes
## 29111 0.0000000000
                              yes
                                    -6.2681382
## 29112 0.0007662835
                              yes
                                    -6.2681382
## 29113 0.0000000000
                              yes
                                    -6.2681382
## 29114 0.0000000000
                              yes
                                    -6.2681382
## 29115 0.0007662835
                                    -6.2681382
                              yes
## 29116 0.0000000000
                              yes
                                    -6.2681382
## 29117 0.0000000000
                                    -6.2681382
                              yes
## 29118 0.0038314176
                                    -6.2681382
                              yes
## 29119 0.0000000000
                              yes
                                    -6.2681382
## 29120 0.0038314176
                              yes
                                    -6.2681382
## 29121 0.0000000000
                              ves
                                    -6.2681382
## 29122 0.0053639847
                              yes
                                    -6.2681382
## 29123 0.0000000000
                              yes
                                    -6.2681382
## 29124 0.0000000000
                                    -6.2681382
                              yes
## 29125 0.0000000000
                              yes
                                    -6.2681382
## 29126 0.0000000000
                              yes
                                    -6.2681382
## 29127 0.0007662835
                                    -6.2681382
                              yes
## 29128 0.0007662835
                              yes
                                    -6.2681382
## 29129 0.0000000000
                                   -6.2681382
                              yes
```

```
## 29130 0.0000000000
                              ves
                                    -6.2681382
## 29131 0.0007662835
                              yes
                                    -6.2681382
## 29132 0.0007662835
                                    -6.2681382
                              yes
## 29133 0.0015325670
                              yes
                                    -6.2681382
## 29134 0.0000000000
                              yes
                                    -6.2681382
## 29135 0.0030651341
                                    -6.2681382
                              yes
## 29136 0.0000000000
                              yes
                                    -6.2681382
## 29137 0.0000000000
                              yes
                                    -6.2681382
## 29138 0.0000000000
                              yes
                                    -6.2681382
## 29139 0.0022988506
                              yes
                                    -6.2681382
## 29140 0.0038314176
                                    -6.2681382
                              yes
## 29141 0.0000000000
                              yes
                                    -6.2681382
## 29142 0.0015325670
                                    -6.2681382
                              yes
## 29143 0.0022988506
                                    -6.2681382
                              yes
## 29144 0.0000000000
                              yes
                                    -6.2681382
## 29145 0.0053639847
                              yes
                                    -6.2681382
## 29146 0.0000000000
                              yes
                                    -6.2681382
## 29147 0.0000000000
                              yes
                                    -6.2681382
## 29148 0.0007662835
                              yes
                                    -6.2681382
## 29149 0.0000000000
                              yes
                                    -6.2681382
## 29150 0.0007662835
                              yes
                                    -6.2681382
## 29151 0.0000000000
                                    -6.2681382
                              yes
## 29152 0.0000000000
                                    -6.2681382
                              yes
## 29153 0.0007662835
                              yes
                                    -6.2681382
## 29154 0.0007662835
                                    -6.2681382
                              yes
## 29155 0.0007662835
                              yes
                                    -6.2681382
## 29156 0.0000000000
                              yes
                                    -6.2681382
## 29157 0.0022988506
                              yes
                                    -6.2681382
## 29158 0.0000000000
                              yes
                                    -6.2681382
## 29159 0.0000000000
                              yes
                                    -6.2681382
## 29160 0.0000000000
                                    -6.2681382
                              yes
## 29161 0.0000000000
                              yes
                                    -6.2681382
## 29162 0.0000000000
                                    -6.2681382
                              yes
## 29163 0.0007662835
                              yes
                                    -6.2681382
## 29164 0.0000000000
                              yes
                                    -6.2681382
## 29165 0.0000000000
                                    -6.2681382
                              yes
## 29166 0.0007662835
                              yes
                                    -6.2681382
## 29167 0.0000000000
                                    -6.2681382
                              yes
## 29168 0.0000000000
                                    -6.2681382
                              yes
## 29169 0.0015325670
                              yes
                                    -5.8191540
## 29170 0.0000000000
                              yes
                                    -5.8191540
## 29171 0.0000000000
                              ves
                                    -5.8191540
## 29172 0.0022988506
                              yes
                                    -5.8191540
## 29173 0.0030651341
                              yes
                                    -5.8191540
## 29174 0.0000000000
                                    -5.8191540
                              yes
## 29175 0.0000000000
                                    -5.8191540
                              yes
## 29176 0.0007662835
                                    -5.8191540
                              yes
## 29177 0.0000000000
                                   -5.8191540
                              yes
## 29178 0.0007662835
                              yes
                                    -5.8191540
## 29179 0.0022988506
                              yes -5.8191540
```

```
## 29180 0.0000000000
                              ves
                                    -5.8191540
## 29181 0.0000000000
                              yes
                                    -5.8191540
## 29182 0.0007662835
                              yes
                                    -5.8191540
## 29183 0.0038314176
                                   -5.8191540
                              yes
## 29184 0.0007662835
                              yes
                                    -5.8191540
## 29185 0.0000000000
                                    -5.8191540
                              yes
## 29186 0.0000000000
                              yes
                                    -5.8191540
## 29187 0.0000000000
                              yes
                                    -5.8191540
## 29188 0.0030651341
                              yes
                                    -5.8191540
## 29189 0.0000000000
                              yes
                                    -5.8191540
## 29190 0.0000000000
                              yes
                                    -5.8191540
## 29191 0.0000000000
                              yes
                                   -5.8191540
## 29192 0.0000000000
                              yes
                                    -5.8191540
## 29193 0.0015325670
                                    -5.8191540
                              yes
## 29194 0.0000000000
                              yes
                                    -5.8191540
## 29195 0.0000000000
                                    -5.8191540
                              yes
## 29196 0.0000000000
                              yes
                                    -5.8191540
## 29197 0.0000000000
                              yes
                                    -5.8191540
## 29198 0.0000000000
                                    -5.8191540
                              yes
## 29199 0.0000000000
                                    -5.8191540
                              yes
## 29200 0.00000000000
                              yes
                                    -5.8191540
## 29201 0.0045977011
                                    -5.8191540
                              yes
## 29202 0.0000000000
                              yes
                                    -5.8191540
## 29203 0.0000000000
                              yes
                                    -5.8191540
## 29204 0.0000000000
                                    -5.8191540
                              yes
## 29205 0.0000000000
                              yes
                                    -5.8191540
## 29206 0.0000000000
                              yes
                                    -5.8191540
## 29207 0.0000000000
                              yes
                                    -5.8191540
## 29208 0.0000000000
                                    -5.8191540
                              yes
## 29209 0.0000000000
                              yes
                                   -5.8191540
## 29210 0.0000000000
                              yes
                                    -5.8191540
## 29211 0.0000000000
                              yes
                                    -5.8191540
## 29212 0.0000000000
                                    -5.8191540
                              yes
## 29213 0.0000000000
                              yes
                                    -5.8191540
## 29214 0.0000000000
                              yes
                                    -5.8191540
## 29215 0.0000000000
                              yes
                                   -5.8191540
## 29216 0.0015325670
                                    -5.8191540
                              yes
## 29217 0.0000000000
                                    -5.8191540
                              yes
## 29218 0.0000000000
                                   -5.8191540
                              yes
## 29219 0.0022988506
                              yes
                                    -5.8191540
## 29220 0.0007662835
                              yes
                                    -5.8191540
## 29221 0.0015325670
                              ves
                                    -5.8191540
## 29222 0.0015325670
                              yes
                                    -5.8191540
## 29223 0.0007662835
                              yes
                                    -5.8191540
## 29224 0.0068965517
                                   -5.8191540
                              yes
## 29225 0.0007662835
                                    -5.8191540
                              yes
## 29226 0.0007662835
                                    -5.8191540
                              yes
## 29227 0.0000000000
                                   -5.8191540
                              yes
## 29228 0.0000000000
                              yes
                                    -5.8191540
## 29229 0.0000000000
                              yes -5.8191540
```

```
## 29230 0.0015325670
                              ves
                                    -5.8191540
## 29231 0.0007662835
                              yes
                                    -5.8191540
## 29232 0.0030651341
                              yes
                                    -5.8191540
## 29233 0.0007662835
                                    -5.8191540
                              yes
## 29234 0.0000000000
                              yes
                                    -5.8191540
## 29235 0.0015325670
                                    -5.8191540
                              yes
## 29236 0.0045977011
                              yes
                                    -5.8191540
## 29237 0.0007662835
                              yes
                                    -5.8191540
## 29238 0.0015325670
                              yes
                                    -5.8191540
## 29239 0.0007662835
                              yes
                                    -5.8191540
## 29240 0.0022988506
                              yes
                                    -5.8191540
## 29241 0.0022988506
                              yes
                                    -5.8191540
## 29242 0.0237547893
                              yes
                                    -5.8191540
## 29243 0.0000000000
                                    -5.8191540
                              yes
## 29244 0.0015325670
                              yes
                                    -5.8191540
## 29245 0.0007662835
                                    -5.8191540
                              yes
## 29246 0.0007662835
                              yes
                                    -5.8191540
## 29247 0.0015325670
                              yes
                                    -5.8191540
## 29248 0.0007662835
                                    -5.8191540
                              yes
## 29249 0.0000000000
                                    -5.8191540
                              yes
## 29250 0.0000000000
                              yes
                                    -5.8191540
## 29251 0.0007662835
                                    -5.8191540
                              yes
## 29252 0.0007662835
                              yes
                                    -5.8191540
## 29253 0.0000000000
                              yes
                                    -5.8191540
## 29254 0.0068965517
                                    -5.8191540
                              yes
## 29255 0.0015325670
                              yes
                                    -5.8191540
## 29256 0.0030651341
                              yes
                                    -5.8191540
## 29257 0.0000000000
                              yes
                                    -5.8191540
## 29258 0.0000000000
                                    -5.8191540
                              yes
## 29259 0.0068965517
                              yes
                                    -5.8191540
## 29260 0.0007662835
                              yes
                                    -5.8191540
## 29261 0.0000000000
                              yes
                                    -5.8191540
## 29262 0.0022988506
                                    -5.8191540
                              yes
## 29263 0.0007662835
                              yes
                                    -5.8191540
## 29264 0.0015325670
                              yes
                                    -5.8191540
## 29265 0.0000000000
                              yes
                                    -5.8191540
## 29266 0.0007662835
                              yes
                                    -5.8191540
## 29267 0.0022988506
                                    -5.8191540
                              yes
## 29268 0.0000000000
                                    -5.8191540
                              yes
## 29269 0.0015325670
                              yes
                                    -5.8191540
## 29270 0.0030651341
                              yes
                                    -5.8191540
## 29271 0.0114942529
                              ves
                                    -5.8191540
## 29272 0.0015325670
                              yes
                                    -5.8191540
## 29273 0.0038314176
                              yes
                                    -5.8191540
## 29274 0.0000000000
                                    -5.8191540
                              yes
## 29275 0.0000000000
                                    -5.8191540
                              yes
## 29276 0.0022988506
                                    -5.8191540
                              yes
## 29277 0.0000000000
                                    -5.8191540
                              yes
## 29278 0.0076628352
                              yes
                                    -5.8191540
## 29279 0.0000000000
                              yes -5.8191540
```

```
## 29280 0.0015325670
                              ves
                                    -5.8191540
## 29281 0.0000000000
                              yes
                                    -5.8191540
## 29282 0.0007662835
                              yes
                                    -5.8191540
## 29283 0.0022988506
                                    -5.8191540
                              yes
## 29284 0.0000000000
                              yes
                                    -5.8191540
## 29285 0.0000000000
                                    -5.8191540
                              yes
## 29286 0.0007662835
                              yes
                                    -5.8191540
## 29287 0.0076628352
                              yes
                                    -5.8191540
## 29288 0.0015325670
                              yes
                                    -5.8191540
## 29289 0.0022988506
                              yes
                                    -5.8191540
## 29290 0.0000000000
                              yes
                                    -5.8191540
## 29291 0.0000000000
                              yes
                                   -5.8191540
## 29292 0.0000000000
                              yes
                                    -5.8191540
## 29293 0.0000000000
                                    -5.8191540
                              yes
## 29294 0.0030651341
                              yes
                                    -5.8191540
## 29295 0.0038314176
                                    -5.8191540
                              yes
## 29296 0.0038314176
                              yes
                                    -5.8191540
## 29297 0.0007662835
                              yes
                                    -5.8191540
## 29298 0.0000000000
                                    -5.8191540
                              yes
## 29299 0.0107279693
                                    -5.8191540
                              yes
## 29300 0.0007662835
                              yes
                                    -5.8191540
## 29301 0.0329501916
                                    -5.8191540
                              yes
## 29302 0.0045977011
                              yes
                                    -5.8191540
## 29303 0.0022988506
                              yes
                                    -5.8191540
## 29304 0.0030651341
                                    -5.8191540
                              yes
## 29305 0.0000000000
                              yes
                                    -5.8191540
## 29306 0.0022988506
                              yes
                                    -5.8191540
## 29307 0.0045977011
                              yes
                                    -5.8191540
## 29308 0.0045977011
                                    -5.8191540
                              yes
## 29309 0.0000000000
                              yes
                                    -5.8191540
## 29310 0.0000000000
                              yes
                                    -5.8191540
## 29311 0.0007662835
                              yes
                                    -5.8191540
## 29312 0.0000000000
                                    -5.8191540
                              yes
## 29313 0.0007662835
                              yes
                                    -5.8191540
## 29314 0.0000000000
                              yes
                                    -5.8191540
## 29315 0.0000000000
                                    -5.8191540
                              yes
## 29316 0.0000000000
                              yes
                                    -5.8191540
## 29317 0.0000000000
                                    -5.8191540
                              yes
## 29318 0.0000000000
                                    -5.8191540
                              yes
## 29319 0.0000000000
                              yes
                                    -5.8191540
## 29320 0.0000000000
                              yes
                                    -5.8191540
## 29321 0.0000000000
                              ves
                                    -5.8191540
## 29322 0.0145593870
                              yes
                                    -5.8191540
## 29323 0.0061302682
                              yes
                                    -5.8191540
## 29324 0.0007662835
                                    -5.8191540
                              yes
## 29325 0.0000000000
                                    -5.8191540
                              yes
## 29326 0.0053639847
                                    -5.8191540
                              yes
## 29327 0.0015325670
                                   -5.8191540
                              yes
## 29328 0.0000000000
                              yes
                                    -5.8191540
## 29329 0.0000000000
                              yes -5.8191540
```

```
## 29330 0.0007662835
                              ves
                                    -5.8191540
## 29331 0.0000000000
                              yes
                                    -5.8191540
## 29332 0.0000000000
                              yes
                                    -5.8191540
## 29333 0.0007662835
                                    -5.8191540
                              yes
## 29334 0.0030651341
                              yes
                                    -5.8191540
## 29335 0.0015325670
                                    -5.8191540
                              yes
## 29336 0.0107279693
                              yes
                                    -5.8191540
## 29337 0.0000000000
                              yes
                                    -5.8191540
## 29338 0.0000000000
                              yes
                                    -5.8191540
## 29339 0.0000000000
                              yes
                                    -5.8191540
## 29340 0.0007662835
                                    -5.8191540
                              yes
## 29341 0.0091954023
                              yes
                                   -5.8191540
## 29342 0.0045977011
                              yes
                                    -5.8191540
## 29343 0.0007662835
                                    -5.8191540
                              yes
## 29344 0.0176245211
                              yes
                                    -5.8191540
## 29345 0.0007662835
                                    -5.8191540
                              yes
## 29346 0.0007662835
                              yes
                                    -5.8191540
## 29347 0.0000000000
                              yes
                                    -5.8191540
## 29348 0.0015325670
                                    -5.8191540
                              yes
## 29349 0.0022988506
                                    -5.8191540
                              yes
## 29350 0.0000000000
                              yes
                                    -5.8191540
## 29351 0.0007662835
                                    -5.8191540
                              yes
## 29352 0.0007662835
                                    -5.8191540
                              yes
## 29353 0.0015325670
                              yes
                                    -5.8191540
## 29354 0.0022988506
                                    -5.8191540
                              yes
## 29355 0.0007662835
                              yes
                                    -5.8191540
## 29356 0.0000000000
                              yes
                                    -5.8191540
## 29357 0.0000000000
                              yes
                                    -5.8191540
## 29358 0.0076628352
                                    -5.8191540
                              yes
## 29359 0.0084291188
                              yes
                                   -5.8191540
## 29360 0.0076628352
                              yes
                                    -5.8191540
## 29361 0.0007662835
                              yes
                                    -5.8191540
## 29362 0.0199233716
                                    -5.8191540
                              yes
## 29363 0.0000000000
                              yes
                                    -5.8191540
## 29364 0.0000000000
                              yes
                                    -5.8191540
## 29365 0.0000000000
                                    -5.8191540
                              yes
## 29366 0.0068965517
                              yes
                                    -5.8191540
## 29367 0.0199233716
                                    -5.8191540
                              yes
## 29368 0.0022988506
                                    -5.8191540
                              yes
## 29369 0.0022988506
                              yes
                                    -5.8191540
## 29370 0.0130268199
                              yes
                                    -5.8191540
## 29371 0.0076628352
                              ves
                                    -5.8191540
## 29372 0.0000000000
                              yes
                                    -5.8191540
## 29373 0.0000000000
                              yes
                                    -5.8191540
## 29374 0.0183908046
                                    -5.8191540
                              yes
## 29375 0.0000000000
                                    -5.8191540
                              yes
## 29376 0.0022988506
                                    -5.8191540
                              yes
## 29377 0.0022988506
                                   -5.8191540
                              yes
## 29378 0.0015325670
                              yes
                                    -5.8191540
## 29379 0.0007662835
                              yes -5.8191540
```

```
## 29380 0.0045977011
                              ves
                                    -5.8191540
## 29381 0.0406130268
                              yes
                                    -5.8191540
## 29382 0.0000000000
                              yes
                                    -5.8191540
## 29383 0.0007662835
                                    -5.8191540
                              yes
## 29384 0.0007662835
                              yes
                                    -5.8191540
## 29385 0.0398467433
                                    -5.8191540
                              yes
## 29386 0.0000000000
                              yes
                                    -5.8191540
## 29387 0.0000000000
                              yes
                                    -1.2454105
## 29388 0.0000000000
                              yes
                                    -1.2454105
## 29389 0.0513409962
                              yes
                                    -1.2454105
## 29390 0.1034482759
                                    -1.2454105
                              yes
## 29391 0.1609195402
                              yes
                                    -1.2454105
## 29392 0.0160919540
                                    -3.9700742
                              yes
## 29393 0.0237547893
                                    -3.9700742
                              yes
## 29394 0.0068965517
                              yes
                                    -3.9700742
## 29395 0.0030651341
                                    -3.9700742
                              yes
## 29396 0.0030651341
                              yes
                                    -3.9700742
## 29397 0.0245210728
                              yes
                                    -3.9700742
## 29398 0.0321839080
                                    -3.9700742
                              yes
## 29399 0.0360153257
                                    -3.9700742
                              yes
## 29400 0.0076628352
                              yes
                                    -3.9700742
## 29401 0.0000000000
                                    -5.8204651
                              yes
## 29402 0.0099616858
                              yes
                                    -5.8204651
## 29403 0.0015325670
                              yes
                                    -5.8204651
## 29404 0.0000000000
                                    -5.8204651
                              yes
## 29405 0.0000000000
                              yes
                                    -5.8204651
## 29406 0.0007662835
                              yes
                                    -5.8204651
## 29407 0.0398467433
                              yes
                                    -5.8204651
## 29408 0.0000000000
                                    -5.8204651
                              yes
## 29409 0.0068965517
                                    -5.8204651
                              yes
## 29410 0.0045977011
                              yes
                                    -5.8204651
## 29411 0.0000000000
                              yes
                                    -5.8204651
## 29412 0.0007662835
                                    -5.8204651
                              yes
## 29413 0.0045977011
                              yes
                                    -5.8204651
## 29414 0.0000000000
                              yes
                                    -5.8204651
## 29415 0.0000000000
                              yes
                                    -5.8204651
## 29416 0.00000000000
                                    -5.8204651
                              yes
## 29417 0.0015325670
                                    -5.8204651
                              yes
## 29418 0.0130268199
                                    -5.8204651
                              yes
## 29419 0.0000000000
                              yes
                                    -5.8204651
## 29420 0.0000000000
                              yes
                                    -5.8204651
## 29421 0.0007662835
                              ves
                                    -5.8204651
## 29422 0.00000000000
                              yes
                                    -5.8204651
## 29423 0.0007662835
                              yes
                                    -5.8204651
## 29424 0.0038314176
                                    -5.8204651
                              yes
## 29425 0.0007662835
                                    -5.8204651
                              yes
## 29426 0.0000000000
                                    -5.8204651
                              yes
## 29427 0.0122605364
                                    -5.8204651
                              yes
## 29428 0.0000000000
                              yes
                                    -5.8204651
## 29429 0.0000000000
                              yes -5.8204651
```

```
## 29430 0.0007662835
                              ves
                                    -5.8204651
## 29431 0.0000000000
                              yes
                                    -5.8204651
## 29432 0.0084291188
                                    -5.8204651
                              yes
## 29433 0.0000000000
                                    -5.8204651
                              yes
## 29434 0.0000000000
                              yes
                                    -5.8204651
## 29435 0.0000000000
                                    -5.8204651
                              yes
## 29436 0.00000000000
                              yes
                                    -5.8204651
## 29437 0.0007662835
                              yes
                                    -5.8204651
## 29438 0.0000000000
                              yes
                                    -5.8204651
## 29439 0.0390804598
                              yes
                                    -5.8204651
## 29440 0.0084291188
                              yes
                                    -5.8204651
## 29441 0.0000000000
                              yes
                                    -5.8204651
## 29442 0.0007662835
                              yes
                                    -5.8204651
## 29443 0.0000000000
                                    -5.8204651
                              yes
## 29444 0.0099616858
                              yes
                                    -5.8204651
## 29445 0.0007662835
                                    -5.8204651
                              yes
## 29446 0.0007662835
                              yes
                                    -5.8204651
## 29447 0.0000000000
                              yes
                                    -5.8204651
## 29448 0.0482758621
                                    -5.8204651
                              yes
## 29449 0.0000000000
                                    -5.8204651
                              yes
## 29450 0.0045977011
                              yes
                                    -5.8204651
                                    -5.8204651
## 29451 0.0007662835
                              yes
## 29452 0.0053639847
                              yes
                                    -5.8204651
## 29453 0.0000000000
                              yes
                                    -5.8204651
## 29454 0.0000000000
                                    -5.8204651
                              yes
## 29455 0.0130268199
                              yes
                                    -5.8204651
## 29456 0.0053639847
                              yes
                                    -5.8204651
## 29457 0.0007662835
                              yes
                                    -5.8204651
## 29458 0.0000000000
                                    -5.8204651
                              yes
## 29459 0.0000000000
                              yes
                                    -5.8204651
## 29460 0.0000000000
                              yes
                                    -5.8204651
## 29461 0.0000000000
                              yes
                                    -5.8204651
## 29462 0.0000000000
                              yes
                                    -6.3771045
## 29463 0.0000000000
                              yes
                                    -6.3771045
## 29464 0.0000000000
                              yes
                                    -6.3771045
## 29465 0.0000000000
                                    -6.3771045
                              yes
## 29466 0.0000000000
                              yes
                                    -6.3771045
## 29467 0.0000000000
                                    -6.3771045
                              yes
## 29468 0.0000000000
                                    -6.3771045
                              yes
## 29469 0.0000000000
                              yes
                                    -6.3771045
## 29470 0.0000000000
                              yes
                                    -6.3771045
## 29471 0.0000000000
                              ves
                                    -6.3771045
## 29472 0.0000000000
                              yes
                                    -6.3771045
## 29473 0.0000000000
                              yes
                                    -6.3771045
## 29474 0.0000000000
                                    -6.3771045
                              yes
## 29475 0.0000000000
                              yes
                                    -6.3771045
## 29476 0.0000000000
                              yes
                                    -6.3771045
## 29477 0.0000000000
                                    -6.3771045
                              yes
## 29478 0.0000000000
                              yes
                                    -6.3771045
## 29479 0.0000000000
                                   -6.3771045
                              yes
```

```
## 29480 0.0000000000
                              ves
                                    -6.3771045
## 29481 0.0000000000
                              yes
                                    -6.3771045
## 29482 0.0000000000
                                    -6.3771045
                              yes
## 29483 0.0000000000
                              yes
                                    -6.3771045
## 29484 0.0000000000
                              yes
                                    -6.3771045
## 29485 0.0015325670
                                    -6.3771045
                              yes
## 29486 0.0000000000
                              yes
                                    -6.3771045
## 29487 0.0015325670
                              yes
                                    -6.3771045
## 29488 0.0000000000
                              yes
                                    -6.3771045
## 29489 0.0000000000
                              yes
                                    -6.3771045
## 29490 0.0000000000
                              yes
                                    -6.3771045
## 29491 0.0007662835
                              yes
                                    -6.3771045
## 29492 0.00000000000
                              yes
                                    -6.3771045
## 29493 0.0000000000
                                    -6.3771045
                              yes
## 29494 0.0076628352
                              yes
                                    -4.3461665
## 29495 0.0015325670
                              yes
                                    -4.3461665
## 29496 0.0015325670
                              yes
                                    -4.3461665
## 29497 0.0076628352
                              yes
                                    -4.3461665
## 29498 0.0000000000
                                    -4.3461665
                              yes
## 29499 0.0015325670
                              yes
                                    -4.3461665
## 29500 0.0000000000
                              yes
                                    -4.3461665
                                    -4.3461665
## 29501 0.0750957854
                              yes
## 29502 0.0107279693
                              yes
                                    -4.3461665
## 29503 0.0084291188
                              yes
                                    -4.3461665
## 29504 0.0000000000
                                    -4.3461665
                              yes
## 29505 0.0068965517
                              yes
                                    -4.3461665
## 29506 0.0000000000
                              yes
                                    -4.3461665
## 29507 0.0061302682
                              yes
                                    -4.3461665
## 29508 0.0061302682
                              yes
                                    -4.3461665
## 29509 0.0704980843
                              yes
                                    -4.3461665
## 29510 0.0000000000
                              yes
                                    -4.3461665
## 29511 0.0015325670
                              yes
                                    -4.3461665
## 29512 0.0000000000
                                    -4.3461665
                              yes
## 29513 0.0000000000
                              yes
                                    -4.3461665
## 29514 0.0475095785
                              yes
                                    -4.3461665
## 29515 0.0007662835
                                    -4.3461665
                              yes
## 29516 0.0130268199
                              yes
                                    -4.3461665
## 29517 0.0076628352
                              yes
                                    -4.3461665
## 29518 0.0053639847
                                    -4.3461665
                              yes
## 29519 0.0000000000
                              yes
                                    -4.3461665
## 29520 0.0007662835
                              yes
                                    -4.3461665
## 29521 0.0068965517
                              ves
                                    -4.3461665
## 29522 0.0000000000
                              yes
                                    -4.3461665
## 29523 0.0000000000
                              yes
                                    -4.3461665
## 29524 0.1095785441
                                    -4.3461665
                              yes
## 29525 0.0076628352
                                    -4.3461665
                              yes
## 29526 0.0153256705
                              yes
                                    -4.3461665
                              yes
## 29527 0.0038314176
                                    -4.3461665
## 29528 0.1241379310
                              yes
                                    -4.3461665
## 29529 0.0030651341
                                    -4.3461665
                              yes
```

```
## 29530 0.0053639847
                              ves
                                    -4.3461665
## 29531 0.0000000000
                              yes
                                    -4.3461665
## 29532 0.0000000000
                                    -4.3461665
                              yes
                                    -4.3461665
## 29533 0.0030651341
                              yes
                                    -4.3461665
## 29534 0.0000000000
                              yes
## 29535 0.0000000000
                              yes
                                    -4.3461665
## 29536 0.0000000000
                              yes
                                    -4.3461665
## 29537 0.0000000000
                              yes
                                    -4.3461665
## 29538 0.0000000000
                              yes
                                    -4.3461665
## 29539 0.0000000000
                              yes
                                    -4.3461665
## 29540 0.0390804598
                              yes
                                    -4.3461665
## 29541 0.0038314176
                              yes
                                    -4.3461665
## 29542 0.0000000000
                              yes
                                    -4.3461665
## 29543 0.0007662835
                              yes
                                    -4.3461665
## 29544 0.0000000000
                              yes
                                    -4.3461665
## 29545 0.0099616858
                              yes
                                    -4.3461665
## 29546 0.0007662835
                              yes
                                    -4.3461665
## 29547 0.0000000000
                              yes
                                    -4.3461665
## 29548 0.0000000000
                                    -4.3461665
                              yes
## 29549 0.0107279693
                              yes
                                    -4.3461665
## 29550 0.0015325670
                              yes
                                    -4.3461665
                                    -4.3461665
## 29551 0.0321839080
                              yes
## 29552 0.0038314176
                              yes
                                    -4.3461665
## 29553 0.0000000000
                              yes
                                    -4.3461665
## 29554 0.0053639847
                                    -4.3461665
                              yes
## 29555 0.0007662835
                              yes
                                    -4.3461665
## 29556 0.0000000000
                              yes
                                    -4.3461665
## 29557 0.0015325670
                              yes
                                    -4.3461665
## 29558 0.0704980843
                              yes
                                    -4.3461665
## 29559 0.0099616858
                              yes
                                    -4.3461665
## 29560 0.0007662835
                              yes
                                    -4.3461665
## 29561 0.0007662835
                              yes
                                    -4.3461665
## 29562 0.0245210728
                                    -4.3461665
                              yes
## 29563 0.0007662835
                              yes
                                    -4.3461665
## 29564 0.0000000000
                              yes
                                    -4.3461665
## 29565 0.0000000000
                              yes
                                    -4.3461665
## 29566 0.0000000000
                              yes
                                    -4.3461665
## 29567 0.0000000000
                              yes
                                    -4.3461665
                              yes
## 29568 0.0352490421
                                    -4.3461665
## 29569 0.0061302682
                              yes
                                    -4.3461665
## 29570 0.0000000000
                              yes
                                    -4.3461665
## 29571 0.0000000000
                              ves
                                    -4.3461665
## 29572 0.0000000000
                              yes
                                    -4.3461665
## 29573 0.0007662835
                              yes
                                    -4.3461665
## 29574 0.0789272031
                                    -4.3461665
                              yes
## 29575 0.0000000000
                                    -4.3461665
                              yes
## 29576 0.2099616858
                              yes
                                    -4.3461665
                              yes
## 29577 0.0000000000
                                    -4.3461665
## 29578 0.0000000000
                              yes
                                    -4.3461665
## 29579 0.0015325670
                                   -4.3461665
                              yes
```

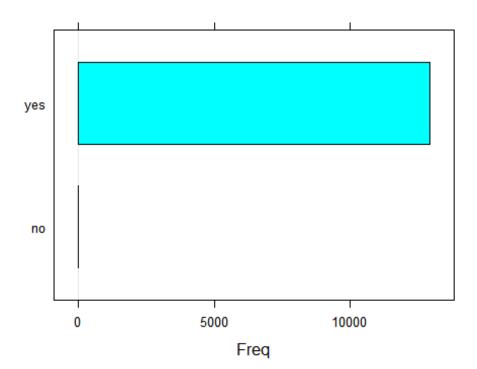
```
## 29580 0.0007662835
                              ves
                                    -4.3461665
## 29581 0.1141762452
                              yes
                                    -4.3461665
## 29582 0.0015325670
                              yes
                                    -4.3461665
                                    -4.3461665
## 29583 0.0038314176
                              yes
## 29584 0.0000000000
                              yes
                                    -4.3461665
## 29585 0.0000000000
                              yes
                                    -4.3461665
## 29586 0.0000000000
                              yes
                                    -4.3461665
## 29587 0.0000000000
                              yes
                                    -4.3461665
## 29588 0.0015325670
                              yes
                                    -4.3461665
## 29589 0.0000000000
                              yes
                                    -4.3461665
## 29590 0.0030651341
                              yes
                                    -4.3461665
## 29591 0.0015325670
                              yes
                                    -4.3461665
## 29592 0.00000000000
                              yes
                                    -4.3461665
## 29593 0.0007662835
                              yes
                                    -4.3461665
## 29594 0.0007662835
                              yes
                                    -4.3461665
## 29595 0.0015325670
                                    -4.3461665
                              yes
## 29596 0.0000000000
                              yes
                                    -4.3461665
## 29597 0.0045977011
                              yes
                                    -4.3461665
## 29598 0.0015325670
                              yes
                                    -4.3461665
## 29599 0.0283524904
                              yes
                                    -4.3461665
## 29600 0.0000000000
                              yes
                                    -4.3461665
                                    -4.3461665
## 29601 0.0000000000
                              yes
## 29602 0.0000000000
                              yes
                                    -4.3461665
## 29603 0.0091954023
                              yes
                                    -4.3461665
## 29604 0.0015325670
                                    -4.3461665
                              yes
## 29605 0.0015325670
                              yes
                                    -4.3461665
## 29606 0.0015325670
                                    -4.3461665
                              yes
## 29607 0.0000000000
                              yes
                                    -4.3461665
## 29608 0.0130268199
                                    -4.3461665
                              yes
## 29609 0.0000000000
                              yes
                                    -4.3461665
## 29610 0.0674329502
                              yes
                                    -4.3461665
## 29611 0.0398467433
                              yes
                                    -4.3461665
## 29612 0.0007662835
                                    -4.3461665
                              yes
## 29613 0.0015325670
                              yes
                                    -4.3461665
## 29614 0.0015325670
                              yes
                                    -4.3461665
## 29615 0.0015325670
                              yes
                                    -4.3461665
## 29616 0.0015325670
                              yes
                                    -4.3461665
## 29617 0.0007662835
                              yes
                                    -4.3461665
                              yes
## 29618 0.0000000000
                                    -4.3461665
## 29619 0.0038314176
                              yes
                                    -4.3461665
## 29620 0.0061302682
                              yes
                                    -4.3461665
## 29621 0.0099616858
                              ves
                                    -4.3461665
## 29622 0.0000000000
                              yes
                                    -4.3461665
## 29623 0.0091954023
                              yes
                                    -4.3461665
## 29624 0.0007662835
                              yes
                                    -4.3461665
## 29625 0.0000000000
                                    -4.3461665
                              yes
## 29626 0.0045977011
                                    -4.3461665
                              yes
                              yes
## 29627 0.0000000000
                                    -4.3461665
## 29628 0.0053639847
                              yes
                                    -4.3461665
## 29629 0.0015325670
                                   -4.3461665
                              yes
```

```
## 29630 0.0000000000
                              ves
                                    -4.3461665
## 29631 0.0000000000
                              yes
                                    -4.3461665
## 29632 0.0000000000
                              yes
                                    -4.3461665
                                    -4.3461665
## 29633 0.0053639847
                              yes
                                    -4.3461665
## 29634 0.0467432950
                              yes
## 29635 0.0160919540
                              yes
                                    -4.3461665
## 29636 0.0107279693
                              yes
                                    -4.3461665
## 29637 0.0000000000
                              yes
                                    -4.3461665
## 29638 0.0022988506
                              yes
                                    -4.3461665
## 29639 0.0000000000
                              yes
                                    -4.3461665
## 29640 0.0007662835
                              yes
                                    -4.3461665
## 29641 0.1172413793
                              yes
                                    -4.3461665
## 29642 0.0068965517
                              yes
                                    -4.3461665
## 29643 0.0045977011
                              yes
                                    -4.3461665
## 29644 0.0015325670
                              yes
                                    -4.3461665
## 29645 0.0229885057
                              yes
                                    -4.3461665
## 29646 0.0145593870
                              yes
                                    -4.3461665
## 29647 0.0091954023
                              yes
                                    -4.3461665
## 29648 0.0084291188
                              yes
                                    -4.3461665
## 29649 0.0053639847
                              yes
                                    -4.3461665
## 29650 0.0015325670
                              yes
                                    -4.3461665
                                    -4.3461665
## 29651 0.0015325670
                              yes
## 29652 0.0122605364
                              yes
                                    -4.3461665
## 29653 0.0283524904
                              yes
                                    -4.3461665
## 29654 0.1019157088
                              yes
                                    -4.3461665
## 29655 0.0934865900
                              yes
                                    -4.3461665
## 29656 0.0007662835
                              yes
                                    -4.3461665
## 29657 0.0015325670
                              yes
                                    -4.3461665
## 29658 0.0000000000
                              yes
                                    -4.3461665
## 29659 0.0030651341
                              yes
                                    -4.3461665
## 29660 0.0022988506
                              yes
                                    -4.3461665
## 29661 0.0000000000
                              yes
                                    -4.3461665
## 29662 0.0206896552
                                    -4.3461665
                              yes
## 29663 0.0000000000
                              yes
                                    -4.3461665
## 29664 0.0000000000
                              yes
                                    -4.3461665
## 29665 0.0160919540
                              yes
                                    -4.3461665
## 29666 0.0160919540
                              yes
                                    -4.3461665
## 29667 0.1295019157
                              yes
                                    -4.3461665
                              yes
## 29668 0.0045977011
                                    -4.3461665
## 29669 0.0574712644
                              yes
                                    -4.3461665
## 29670 0.0015325670
                              yes
                                    -4.3461665
## 29671 0.0007662835
                              ves
                                    -4.3461665
## 29672 0.0007662835
                              yes
                                    -4.3461665
## 29673 0.0000000000
                              yes
                                    -4.3461665
## 29674 0.0000000000
                              yes
                                    -4.3461665
## 29675 0.0015325670
                                    -4.3461665
                              yes
## 29676 0.0084291188
                                    -4.3461665
                              yes
                              yes
## 29677 0.0000000000
                                    -4.3461665
## 29678 0.0000000000
                              yes
                                    -4.3461665
## 29679 0.0000000000
                                   -4.3461665
                              yes
```

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

```
## 29730 0.0000000000
                              ves
                                    -5.8735363
## 29731 0.0045977011
                              yes
                                    -5.8735363
## 29732 0.0306513410
                                    -5.8735363
                              yes
## 29733 0.0007662835
                                    -5.8735363
                              yes
## 29734 0.0000000000
                              yes
                                    -5.8735363
                                    -5.8735363
## 29735 0.0000000000
                              yes
## 29736 0.0000000000
                              yes
                                    -5.8735363
## 29737 0.0000000000
                              yes
                                    -5.8735363
## 29738 0.0130268199
                              yes
                                    -5.8735363
## 29739 0.0229885057
                              yes
                                    -5.8735363
## 29740 0.0000000000
                              yes
                                    -5.8735363
## 29741 0.0000000000
                              yes
                                    -5.8735363
## 29742 0.0000000000
                              yes
                                    -5.8735363
## 29743 0.0000000000
                                    -5.8735363
                              yes
## 29744 0.0068965517
                              yes
                                    -5.8735363
## 29745 0.0314176245
                              yes
                                    -5.8735363
## 29746 0.0000000000
                              yes
                                    -5.8735363
## 29747 0.0000000000
                              yes
                                    -5.8735363
## 29748 0.0022988506
                                    -5.8735363
                              yes
## 29749 0.0076628352
                                    -5.8735363
                              yes
## 29750 0.0000000000
                              yes
                                    -5.8735363
## 29751 0.0000000000
                                    -5.8735363
                              yes
                                    -5.8735363
## 29752 0.0000000000
                              yes
## 29753 0.0038314176
                              yes
                                    -5.8735363
## 29754 0.0000000000
                                    -5.8735363
                              yes
## 29755 0.0015325670
                              yes
                                    -5.8735363
## 29756 0.0000000000
                              yes
                                    -5.8735363
## 29757 0.0835249042
                              yes
                                    -5.8735363
## 29758 0.0000000000
                                    -5.8735363
                              yes
## 29759 0.0000000000
                              yes
                                    -5.8735363
## 29760 0.0068965517
                              yes
                                    -5.8735363
## 29761 0.0007662835
                              yes
                                    -5.8735363
## 29762 0.0000000000
                                    -5.8735363
                              yes
## 29763 0.0000000000
                              yes
                                    -5.8735363
## 29764 0.0022988506
                              yes
                                    -5.8735363
## 29765 0.0000000000
                              yes
                                    -5.8735363
## 29766 0.0015325670
                              yes
                                    -5.8735363
## 29767 0.0000000000
                                    -5.8735363
                              yes
## 29768 0.0000000000
                                    -5.8735363
                              yes
## 29769 0.0176245211
                              yes
                                    -5.8735363
## 29770 0.0000000000
                              yes
                                    -5.8735363
## 29771 0.0022988506
                              ves
                                    -5.8735363
## 29772 0.0007662835
                              yes
                                    -5.8735363
## 29773 0.0045977011
                              yes
                                    -5.8735363
## 29774 0.0030651341
                                    -5.8735363
                              yes
## 29775 0.0000000000
                              yes
                                    -5.8735363
## 29776 0.0000000000
                                    -5.8735363
                              yes
## 29777 0.0000000000
                                   -5.8735363
                              yes
## 29778 0.0022988506
                              yes
                                    -5.8735363
## 29779 0.0000000000
                              yes -5.8735363
```

```
## 29780 0.0130268199
                                   -5.8735363
                             ves
## 29781 0.0015325670
                             yes
                                   -5.8735363
## 29782 0.0022988506
                             yes
                                   -5.8735363
## 29783 0.0000000000
                                   -5.8735363
                             yes
## 29784 0.0000000000
                             yes
                                   -5.8735363
## 29785 0.0000000000
                             yes
                                   -5.8735363
## 29786 0.0000000000
                                   -5.8735363
                             yes
## 29787 0.0000000000
                             yes
                                  -5.8735363
## 29788 0.0000000000
                             yes -5.8735363
  [ reached getOption("max.print") -- omitted 11160 rows ]
# summarize results
#confusionMatrix<- confusionMatrix(pred$predictions,pred$X0.19)</pre>
#confusionMatrix
barchart(Features Test$pred X0.19)
```



R Markdown

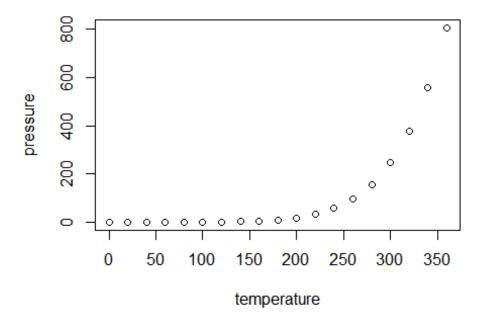
This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

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

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

Including Plots

You can also embed plots, for example:



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