Session 15 Assignments1

dataset

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

```
#library(readr)
#dataset <- read_delim("Dataset.zip", ";", escape_double = FALSE, trim_ws =</pre>
TRUE)
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
names(Features)
## [1] "X634995"
                               "X0"
                                                      "X463"
## [4] "X1"
                               "X0.0"
                                                      "X806.0"
## [7] "X11.291044776119403" "X1.0"
                                                      "X70.49513846124168"
## [10] "X0.0.1"
                               "X806.0.1"
                                                      "X7.574626865671642"
## [13] "X0.0.2"
                               "X69.435826365571"
                                                      "X0.0.3"
## [16] "X76.0"
                               "X2.6044776119402986" "X0.0.4"
                               "X0.0.5"
                                                      "X806.0.2"
## [19] "X8.50550186882253"
## [22] "X10.649253731343284" "X1.0.1"
                                                      "X70.25478763764251"
                               "X806.0.3"
                                                      "X4.970149253731344"
## [25] "X.69.0"
## [28] "X0.0.6"
                               "X69.85058043098057"
                                                      "X0.1"
## [31] "X0.2"
                               "X0.3"
                                                      "X0.4"
                               "X65"
                                                      "X166"
## [34] "X0.5"
## [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"
## [52] "X0.18"
                                                          "X0.19"
head(Features)
     X634995 X0 X463 X1 X0.0 X806.0 X11.291044776119403 X1.0
##
## 1
      634995
               0
                  463
                        1
                              0
                                   806
                                                    11.29104
                                                                 1
## 2
      634995
               0
                  463
                        1
                              0
                                   806
                                                    11.29104
                                                                 1
## 3
                  463
                        1
                              0
                                   806
                                                    11.29104
                                                                 1
      634995
               0
## 4
      634995
               0
                  463
                        1
                              0
                                   806
                                                    11.29104
                                                                 1
## 5
      634995
               0
                  463
                        1
                              0
                                   806
                                                    11.29104
                                                                 1
                  463
                        1
                              0
                                   806
                                                                 1
## 6
      634995
               0
                                                    11.29104
##
     X70.49513846124168 X0.0.1 X806.0.1 X7.574626865671642 X0.0.2
## 1
                70.49514
                                0
                                        806
                                                       7.574627
                                                                       0
## 2
                                0
                                        806
                                                                       0
                70.49514
                                                       7.574627
## 3
                70.49514
                                0
                                        806
                                                                       0
                                                       7.574627
## 4
                70.49514
                                0
                                        806
                                                       7.574627
                                                                       0
                                                                       0
## 5
                70.49514
                                0
                                        806
                                                       7.574627
## 6
                70.49514
                                0
                                        806
                                                       7.574627
##
     X69.435826365571 X0.0.3 X76.0 X2.6044776119402986 X0.0.4
## 1
                              0
                                   76
                                                                   0
              69.43583
                                                   2.604478
## 2
              69.43583
                              0
                                   76
                                                   2.604478
                                                                   0
                              0
                                   76
                                                                   0
## 3
              69.43583
                                                   2.604478
## 4
              69.43583
                              0
                                   76
                                                                   0
                                                   2.604478
                                   76
## 5
                              0
                                                                   0
              69.43583
                                                   2.604478
                              0
## 6
              69.43583
                                   76
                                                   2.604478
                                                                   0
##
     X8.50550186882253 X0.0.5 X806.0.2 X10.649253731343284 X1.0.1
## 1
               8.505502
                               0
                                       806
                                                       10.64925
                                                                       1
## 2
                               0
                                       806
                                                       10.64925
                                                                       1
               8.505502
## 3
               8.505502
                               0
                                       806
                                                       10.64925
                                                                       1
## 4
               8.505502
                               0
                                       806
                                                       10.64925
                                                                       1
                               0
                                                                       1
## 5
                                       806
               8.505502
                                                       10.64925
## 6
               8.505502
                               0
                                       806
                                                       10.64925
                                                                       1
     X70.25478763764251 X.69.0 X806.0.3 X4.970149253731344 X0.0.6
##
## 1
                70.25479
                              -69
                                        806
                                                       4.970149
                                                                       0
## 2
                70.25479
                              -69
                                        806
                                                       4.970149
                                                                       0
## 3
                70.25479
                              -69
                                        806
                                                       4.970149
                                                                       0
## 4
                70.25479
                              -69
                                        806
                                                       4.970149
                                                                       0
                              -69
## 5
                70.25479
                                        806
                                                       4.970149
                                                                       0
                              -69
## 6
                70.25479
                                        806
                                                       4.970149
                                                                       0
     X69.85058043098057 X0.1 X0.2 X0.3 X0.4 X0.5 X65 X166 X2 X0.6 X24 X0.7
##
                                   0
## 1
                69.85058
                              0
                                         0
                                               0
                                                    0
                                                       10
                                                            132
                                                                 1
                                                                       0
                                                                          24
                                                                                 0
## 2
                                   0
                                                       14
                                                            133
                                                                           24
                                                                                 0
                69.85058
                              0
                                         0
                                               0
                                                    0
                                                                 2
                                                                       0
                                                   -3
## 3
                              7
                                   0
                                         3
                                               7
                                                       62
                                                            131
                                                                 1
                                                                           24
                                                                                 0
                69.85058
                                                                       a
                                                       58
                                                                                 0
## 4
                69.85058
                              1
                                   0
                                         0
                                               1
                                                    0
                                                            142
                                                                       0
                                                                           24
## 5
                              0
                                   0
                                         0
                                               0
                                                    0
                                                       60
                                                            166
                                                                 1
                                                                       0
                                                                           24
                                                                                 0
                69.85058
## 6
                69.85058
                              0
                                   0
                                         0
                                               0
                                                    0
                                                       68
                                                            145
                                                                 2
                                                                           24
                                                                                 0
     X0.8 X0.9 X1.1 X0.10 X0.11 X0.12 X0.13 X0.14 X0.15 X0.16 X0.17 X0.18
              0 0
                          1
                                 0
                                        0
                                              0
                                                     0
                                                            0
                                                                  0
```

```
## 2
               0
                    0
                                         0
                                                   0
      0
           0
                         1
                              0
## 3
       0
           0
               a
                    0
                         1
                               0
                                    0
                                         1
                                              0
                                                   0
                                                        0
## 4
       1
           0
               0
                    0
                         0
                               0
                                    0
                                         0
                                              0
                                                   1
                                                        0
                                                              0
## 5
                    0
                         0
                                         0
                                              0
       0
           1
               0
                               0
                                    0
                                                   0
                                                        0
                                                             1
## 6
       0
           0
               1
                    0
                         0
                              0
                                    0
                                         0
                                              0
                                                   0
                                                        0
                                                             0
    X1.2 X0.19
##
## 1
       0
            0
## 2
       1
            a
## 3
       0
## 4
       0
## 5
       0
## 6
      1
str(Features)
## 'data.frame':
                40948 obs. of 54 variables:
## $ X634995
                     : int 634995 634995 634995 634995 634995 634
995 634995 634995 ...
                     : int
##
   $ X0
                          0000000000...
##
  $ X463
                     : int
                          463 463 463 463 463 463 463 463 463 ...
##
  $ X1
                     : int
                           1111111111...
##
  $ X0.0
                           0000000000...
                     : num
##
  $ X806.0
                     : num
                          ##
  $ X11.291044776119403: num
                           11.3 11.3 11.3 11.3 11.3 ...
##
  $ X1.0
                          1111111111...
                     : num
##
  $ X70.49513846124168 : num
                           70.5 70.5 70.5 70.5 70.5 ...
##
  $ X0.0.1
                     : num
                          0000000000...
  $ X806.0.1
##
                          : num
## $ X7.574626865671642 : num
                          7.57 7.57 7.57 7.57 7.57 ...
## $ X0.0.2
                          0000000000...
                     : num
## $ X69.435826365571
                           69.4 69.4 69.4 69.4 69.4 ...
                     : num
##
  $ X0.0.3
                     : num
                          0000000000...
                           76 76 76 76 76 76 76 76 76 76 ...
## $ X76.0
                     : num
##
  $ X2.6044776119402986: num
                          2.6 2.6 2.6 2.6 2.6 ...
## $ X0.0.4
                     : num
                          00000000000...
##
  $ X8.50550186882253 : num 8.51 8.51 8.51 8.51 8.51 ...
##
  $ X0.0.5
                     : num 0000000000...
                     : num 806 806 806 806 806 806 806 806 806 ...
##
  $ X806.0.2
  $ X10.649253731343284: num 10.6 10.6 10.6 10.6 10.6 ...
##
  $ X1.0.1
                     : num
                           1111111111...
##
  $ X70.25478763764251 : num 70.3 70.3 70.3 70.3 70.3 ...
                           -69 -69 -69 -69 -69 -69 -69 -69 -69 ...
##
  $ X.69.0
                     : num
##
  $ X806.0.3
                     : num
                          $ X4.970149253731344 : num
                           4.97 4.97 4.97 4.97 ...
##
                     : num
##
  $ X0.0.6
                          00000000000...
## $ X69.85058043098057 : num 69.9 69.9 69.9 69.9 69.9 ...
## $ X0.1
                     : int
                           0 0 7 1 0 0 1 0 0 0 ...
## $ X0.2
                     : int
                           0000000000...
## $ X0.3
                     : int
                           0030001000...
## $ X0.4
                     : int 0071001000...
```

```
##
   $ X0.5
                              0 0 -3 0 0 0 -1 0 0 0 ...
                          int
##
   $ X65
                              10 14 62 58 60 68 32 35 48 52 ...
                          int
##
   $ X166
                          int
                              132 133 131 142 166 145 157 177 126 188 ...
##
   $ X2
                              1 2 1 5 1 2 2 5 1 1 ...
                          int
##
   $ X0.6
                          int
                              00000000000...
   $ X24
                              24 24 24 24 24 24 24 24 24 ...
##
                          int
##
   $ X0.7
                          int
                              0000000000...
   $ X0.8
##
                          int
                              0001000000...
##
   $ X0.9
                        : int
                              0000100000...
##
   $ X1.1
                          int
                              0000010000...
   $ X0.10
##
                         int
                              1000001000...
   $ X0.11
##
                         int
                              0110000111...
                         int
##
   $ X0.12
                              00000000000...
##
   $ X0.13
                        : int
                              000000011...
##
   $ X0.14
                        : int
                              0010000000...
##
   $ X0.15
                        : int
                              0000000000...
##
   $ X0.16
                          int
                              0001000000
##
   $ X0.17
                          int
                              0000000000
   $ X0.18
##
                          int
                              1000100000...
##
   $ X1.2
                         int
                              0100011100...
##
   $ X0.19
                              0000000000...
                        : int
normalize<-function(x) {return((x-min(x))/(max(x)-min(x)))}</pre>
Features norm<-as.data.frame(lapply(Features,normalize))
Features_norm
##
             X634995
                              X0
                                         X463
                                                      X1
                                                                X0.0
## 1
        1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 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 0.000000000
## 4
        1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 5
        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
## 6
## 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 0.000000000
        1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 10
## 11
        1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 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 0.000000000
        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 0.0000000000
## 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 0.000000000
## 20
        1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 21
        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
## 22
        1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 23
```

```
## 24
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 25
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
##
  26
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 27
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 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
  30
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
##
##
   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 0.0000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
   33
##
##
  34
         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
##
   35
##
         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 0.000000000
## 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 0.000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 41
## 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 0.000000000
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 44
## 45
         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
## 46
## 47
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 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 0.000000000
##
   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 0.000000000
## 60
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.000000000
## 61
## 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
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 68
## 69
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 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
```

```
1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 74
## 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 0.000000000
## 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
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 83
## 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 0.000000000
##
  86
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 87
         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
## 88
## 89
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 90
         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
## 91
## 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 0.000000000
## 95
         1.303892e-03 0.000000e+00 7.602700e-05 0.00000000 0.0000000000
## 96
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## 322
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## 323
         1.639900e-03 0.000000e+00 5.692665e-03 0.03809524 0.0000000000
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## 328
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## 329
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## 332
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## 350
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## 363
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## 365
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## 368
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## 369
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## 370
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## 371
## 372
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## 373
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## 374
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## 377
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## 382
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## 385
## 386
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## 421
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## 437
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## 463
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## 471
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3.188258e-03 0.000000e+00 1.061439e-02 0.07619048 0.0000000000
## 524
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## 613
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         8.223282e-04 0.000000e+00 9.496478e-03 0.11428571 0.0004271679
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## 660
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## 663
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## 666
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## 667
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## 668
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## 669
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## 670
         5.326792e-06 0.000000e+00 1.642052e-07 0.13333333 0.0000000000
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## 671
## 672
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## 673
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```

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## 676
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         3.339500e-01 0.000000e+00 2.040230e-01 0.00000000 0.000000000
## 677
## 678
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## 681
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## 682
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## 683
         1.014431e-06 0.000000e+00 0.000000e+00 0.14285714 0.000000000
## 684
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## 685
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##
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## 687
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## 702
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## 703
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##
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##
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##
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## 709
         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
## 710
## 711
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## 712
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  713
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
##
## 714
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## 715
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 716
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 717
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## 718
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
## 719
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## 720
         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
## 721
##
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## 723
         1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
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1.813717e-04 1.609701e-05 6.896617e-06 0.15238095 0.0000000000
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## 725
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## 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
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## 1010
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## 1073
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## 1099
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         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
## 1102
## 1103
         2.881562e-02 3.219402e-05 5.772469e-03 0.18095238 0.0004271679
## 1104
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## 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
## 1110
         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
## 1111
## 1112
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## 1113
         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
## 1115
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
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         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 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
## 1119
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## 1120
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## 1121
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## 1122
         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
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5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1124
## 1125
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## 1126
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         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1127
## 1128
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## 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
## 1144
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 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
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## 1151
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         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1152
## 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
## 1156
         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
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## 1160
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## 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
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1165
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1166
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 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
## 1169
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 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
```

```
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
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1177
## 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
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## 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
## 1194
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 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
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## 1200
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## 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
## 1206
         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
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1215
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.000000000
## 1216
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 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 0.0000000000
```

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5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1224
## 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
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1227
## 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
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## 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 0.0000000000
## 1256
         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
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1265
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 1266
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 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
## 1269
         5.168046e-03 0.000000e+00 3.370968e-03 0.19047619 0.0000000000
## 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
        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
## 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
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## 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 0.00000000000
## 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
## 1294
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 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 0.00000000000
## 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
## 1316
         9.326712e-03 4.453506e-04 1.071981e-02 0.07619048 0.0000000000
## 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
         1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1319
## 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
        1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
```

```
1.899444e-02 0.000000e+00 1.459193e-02 0.20000000 0.0000000000
## 1324
## 1325
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## 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
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## 1333
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## 1335
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## 1336
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## 1338
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## 1342
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## 1343
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## 1353
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## 1355
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## 1357
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## 1359
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## 1360
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## 1361
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## 1362
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## 1371
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        4.220452e-03 0.000000e+00 4.319056e-02 0.00952381 0.0410081162
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## 1378
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## 1385
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## 1386
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## 1387
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## 1388
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## 1389
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## 1390
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## 1391
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## 1392
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## 1393
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## 1394
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## 1395
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## 1396
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## 1397
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## 1403
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## 1405
## 1406
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## 1407
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## 1408
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        1.232924e-05 0.000000e+00 9.688105e-06 0.21904762 0.0000000000
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## 1425
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```

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## 1476
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## 1477
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## 1490
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## 1494
         1.061888e-03 0.000000e+00 3.149291e-03 0.22857143 0.0153780436
## 1495
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## 1496
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## 1502
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## 1504
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## 1507
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## 1508
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## 1511
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## 1526
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## 1527
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## 1528
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## 1530
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## 1531
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## 1532
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         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1533
## 1534
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## 1535
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## 1536
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         4.060763e-03 1.470838e-01 1.516763e-02 0.07619048 0.0029901751
## 1538
## 1539
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## 1540
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## 1541
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## 1542
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## 1543
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## 1548
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## 1622
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        4.180310e-03 0.000000e+00 1.071110e-03 0.12380952 0.0000000000
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## 1761
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## 1762
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1763
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## 1764
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## 1765
         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
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1767
## 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 0.0000000000
## 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
```

```
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
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## 1778
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.000000000
## 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
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## 1785
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## 1786
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## 1787
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## 1788
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## 1789
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## 1790
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1791
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## 1792
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## 1793
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1794
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## 1795
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## 1797
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## 1801
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## 1802
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## 1803
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## 1804
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## 1805
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## 1806
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## 1807
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## 1808
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## 1809
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## 1810
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## 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
## 1815
         2.374530e-04 0.000000e+00 1.223329e-04 0.00000000 0.0000000000
## 1816
         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
## 1817
## 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
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## 1821
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##
  1822
         6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
        6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
```

```
6.990131e-06 0.000000e+00 2.692965e-05 0.25714286 0.0000000000
## 1824
## 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
                              4.823172e-03 0.0004271679
## 3
         0.3442973088
                                                               0.0963845542
## 4
         0.3442973088
                             4.823172e-03 0.0004271679
                                                               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
                              4.823172e-03 0.0004271679
         0.3442973088
                                                               0.0963845542
## 10
         0.3442973088
                              4.823172e-03 0.0004271679
                                                               0.0963845542
## 11
         0.3442973088
                              4.823172e-03 0.0004271679
                                                               0.0963845542
## 12
                              4.823172e-03 0.0004271679
         0.3442973088
                                                               0.0963845542
## 13
         0.3442973088
                              4.823172e-03 0.0004271679
                                                               0.0963845542
## 14
         0.3442973088
                              4.823172e-03 0.0004271679
                                                               0.0963845542
## 15
         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
```

## 22		4.823172e-03 0.0004271679	0.0963845542
## 23		4.823172e-03 0.0004271679	0.0963845542
## 24		4.823172e-03 0.0004271679	0.0963845542
## 25		4.823172e-03 0.0004271679	0.0963845542
## 26	6 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 27	7 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 28	8 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 29	9 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 30		4.823172e-03 0.0004271679	0.0963845542
## 33	1 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 32	2 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 33	3 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 34	4 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 3!	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 36	6 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 37	7 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 38	8 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 39	9 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 40	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 43	1 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 42		4.823172e-03 0.0004271679	0.0963845542
## 43	3 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 44	4 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 45	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 46	6 0.3442973088	4.823172e-03 0.0004271679	0.0963845542
## 47		4.823172e-03 0.0004271679	0.0963845542
## 48		4.823172e-03 0.0004271679	0.0963845542
## 49		4.823172e-03 0.0004271679	0.0963845542
## 50		4.823172e-03 0.0004271679	0.0963845542
## 53		4.823172e-03 0.0004271679	0.0963845542
## 52		4.823172e-03 0.0004271679	0.0963845542
## 53		4.823172e-03 0.0004271679	0.0963845542
## 54		4.823172e-03 0.0004271679	0.0963845542
## 5!		4.823172e-03 0.0004271679	0.0963845542
## 56		4.823172e-03 0.0004271679	0.0963845542
## 57		4.823172e-03 0.0004271679	0.0963845542
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## 60		4.823172e-03 0.0004271679	0.0963845542
## 63		4.823172e-03 0.0004271679	0.0963845542
## 62		4.823172e-03 0.0004271679	0.0963845542
## 63		4.823172e-03 0.0004271679	0.0963845542
## 64		4.823172e-03 0.0004271679	0.0963845542
## 6!		4.823172e-03 0.0004271679	0.0963845542
## 66		4.823172e-03 0.0004271679	0.0963845542
## 67		4.823172e-03 0.0004271679	0.0963845542
## 68		4.823172e-03 0.0004271679	0.0963845542
## 69		4.823172e-03 0.0004271679	0.0963845542
## 70		4.823172e-03 0.0004271679	0.0963845542
## 73	1 0.3442973088	4.823172e-03 0.0004271679	0.0963845542

##		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
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##	_	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
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	97	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
	98	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
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##	101	0.3442973088	4.823172e-03 0.0004271679	0.0963845542
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	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

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	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
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##	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
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## 1019 ## 1020	0.3255019223 0.3255019223	3.287021e-02 0.0194361384 3.287021e-02 0.0194361384	0.1557590362 0.1557590362
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## 1085					
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## 1111 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1112 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1113 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 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 ## 1119 0.0448526271 3.916103e-03 0.0021358394 0.0186521307 ## 1110 0.0448526271 3.916103e-03 0.0021358394 0.0186521307					
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## 1118					
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## 1317 ## 1318	0.1255873558 0.0239214011	3.003600e-02 0.0145237078 9.285281e-03 0.0081161897	0.1095190532 0.0220366289
## 1318	0.0239214011	9.285281e-03 0.0081161897 9.285281e-03 0.0081161897	0.0220366289
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## 5
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## 7
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## 8
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## 17
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## 18
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## 19
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## 119
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## 139
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## 213
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## 214
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## 241
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                                            X76.0 X2.6044776119402986
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                                                          5.950586e-03
## 4
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                                                          5.950586e-03
             0.1478809189 0.00000000 0.047352025
## 5
                                                          5.950586e-03
## 6
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                                                          5.950586e-03
##
  7
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                                                          5.950586e-03
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## 665
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## 667
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## 671
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## 672
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## 717
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## 767
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## 2
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                                                 0.0999152131 0.3943447856
## 3
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## 4
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## 5
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## 6
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## 7
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## 8
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## 9
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## 10
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## 11
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## 12
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## 13
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##	439	7.804562e-02	0.0592823713	0.2069630531	0.2195196108
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## 502	7.804562e-02 0.0592823713 7.804562e-02 0.0592823713	0.2069630531 0.2195196108 0.2069630531 0.2195196108
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ππ JU/	7.804562e-02 0.0592823713 7.804562e-02 0.0592823713	0.2069630531 0.2195196108
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## 728
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## 731
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## 732
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## 733
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## 736
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## 738
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## 747
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	796	4.650362e-02		0.1048974442	0.3730617209
	797	4.650362e-02		0.1048974442	
	798	4.650362e-02 4.650362e-02			
	799 800	4.650362e-02		<pre>0.1048974442 0.1048974442</pre>	
	801	4.650362e-02			0.3730617209
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	812	4.650362e-02		0.1048974442	
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		.,0000000000			

##	[‡] 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
##	# 81 9	4.650362e-02	0.0397815913	0.1048974442	0.3730617209
##	[‡] 820	4.650362e-02	0.0397815913	0.1048974442	0.3730617209
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##	[‡] 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
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##	# 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
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##	[‡] 837	4.650362e-02		0.1048974442	0.3730617209
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##	[‡] 839	4.650362e-02		0.1048974442	0.3730617209
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	‡ 859 + 860	6.412287e-04		0.0029332666	
	‡ 860 † 861	6.412287e-04		0.0029332666	
	‡ 861 + 863	6.412287e-04		0.0029332666	
	‡ 862 ± 863	6.412287e-04		0.0029332666	
#1	‡ 863	6.412287e-04	טטטטטטטטטטט.ט	0.0029332666	o.4134995439

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##	÷ 873	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
##	874	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
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##	÷ 877	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
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ĦŦ	913	6.412287e-04	טטטטטטטטטטט.ט	0.0029332666	0.4134995439

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##	983	6.412287e-04	0.0000000000	0.0029332666	0.4134995439
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                8.039240e-04 0.0000000000
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## 1803
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## 1804
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## 1805
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## 1806
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## 1807
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## 1808
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                8.039240e-04 0.0000000000
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## 1809
## 1810
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                8.039240e-04 0.00000000000
## 1811
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## 1812
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## 1813
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## 1816
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                8.039240e-04 0.00000000000
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## 1826
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                2.540331e-03 0.0020800832
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## 1831
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## 1833
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## 1846
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## 1847
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## 1849
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## 1850
## 1851
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##
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                                            X0.0.6 X69.85058043098057
## 1
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         0.44240035
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## 2
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## 3
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## 4
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## 5
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                                                          0.0931701827
## 6
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         0.44240035
                                                          0.0931701827
## 7
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## 8
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                                                          0.0931701827
## 9
         0.44240035
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                                                          0.0931701827
## 10
         0.44240035
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                                                          0.0931701827
## 11
         0.44240035
                            0.100993742 0.13025780
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пт	-	J. 1-12-10033	0.100////	0.13023700	0.0001

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	961	0.09329829	0.098695884		0.0023544325
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## 1000	0.42312746	0.104594583 0.13093623	0.1200021851
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## 1004	0.42312746	0.104594583 0.13093623	0.1200021851
## 1005	0.42312746	0.104594583 0.13093623	0.1200021851
## 1006	0.42312746	0.104594583 0.13093623	0.1200021851
## 1007	0.42312746	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

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## 1012
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## 1105
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## 1106
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## 1107
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## 1108
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## 1109
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## 1110
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## 1111
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                                                           0.0145982856
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## 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
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## 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.	.13025780	0.0145982856
## 1140	0.12483574	0.098800329 0.	.13025780	0.0145982856
## 1141	0.12483574	0.098800329 0.	.13025780	0.0145982856
## 1142	0.12483574	0.098800329 0.	.13025780	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.	.13025780	0.0145982856
## 1146	0.12483574	0.098800329 0.	.13025780	0.0145982856
## 1147	0.12483574	0.098800329 0.	.13025780	0.0145982856
## 1148	0.12483574	0.098800329 0.	.13025780	0.0145982856
## 1149	0.12483574	0.098800329 0.	.13025780	0.0145982856
## 1150	0.12483574	0.098800329 0.		0.0145982856
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## 1152	0.12483574	0.098800329 0.	.13025780	0.0145982856
## 1153	0.12483574	0.098800329 0.	.13025780	0.0145982856
## 1154	0.12483574	0.098800329 0.		0.0145982856
## 1155	0.12483574	0.098800329 0.	.13025780	0.0145982856
## 1156	0.12483574	0.098800329 0.	.13025780	0.0145982856
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## 1158	0.12483574	0.098800329 0.	.13025780	0.0145982856
## 1159	0.12483574	0.098800329 0.	.13025780	0.0145982856
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## 1		0.12483574	0.098800329	0.13025780	0.0145982856
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## 1	167	0.12483574	0.098800329	0.13025780	0.0145982856
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## 1	174	0.12483574	0.098800329	0.13025780	0.0145982856
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## 1	L 1 93	0.12483574	0.098800329	0.13025780	0.0145982856
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## 1343	0.14761279	0.097369625 0.12618725	0.0693600733
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## 1370						
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## 1372						
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## 1374						
## 1375						
## 1376						
## 1377						
## 1378						
## 1379						
## 1380						
## 1381						
## 1382						
## 1383						
## 1384						
## 1385						
## 1386						
## 1387						
## 1388						
## 1389						
## 1390						
## 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 0.09373631 0.098630079 0.13025780 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 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592						
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## 1393						
## 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 ## 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 0.09373631 0.098630079 0.13025780 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 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1409 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1400 0.09373631 0.098630079 0.13025780 0.0039392592 ## 1400 0.09373631 0.098630079 0.13025780 0.0039392592						
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## 1824
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1825
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1826
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1827
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1828
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1829
                        0.098594129 0.13025780
        0.10337276
                                                  0.0073379960
## 1830
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1831
       0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1832
                        0.098594129 0.13025780
                                                  0.0073379960
        0.10337276
## 1833
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1834
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1835
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1836
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1837
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1838
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1839
                        0.098594129 0.13025780
        0.10337276
                                                  0.0073379960
## 1840
                        0.098594129 0.13025780
        0.10337276
                                                  0.0073379960
## 1841
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1842
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1843
                        0.098594129 0.13025780
                                                  0.0073379960
        0.10337276
## 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
                        0.098594129 0.13025780
## 1848
        0.10337276
                                                  0.0073379960
## 1849
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
## 1850
        0.10337276
                        0.098594129 0.13025780
                                                  0.0073379960
  1851
                        0.098594129 0.13025780
##
        0.10337276
                                                  0.0073379960
##
               X0.1
                           X0.2
                                      X0.3
                                                 X0.4
                                                             X0.5
## 1
        ## 2
        0.0029901751 0.0000000000 0.001869159 0.0032051282 0.3956458636
## 3
## 4
        0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 5
        ## 6
        0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 7
## 8
        ## 9
```

```
## 10
     ## 11
     0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 12
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 13
## 14
     ## 15
     0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 16
     0.0012815036 0.0000000000 0.001869159 0.0009157509 0.3956458636
##
 17
     ## 18
     0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 19
     ## 20
     0.0328919265 0.0221260221 0.019314642 0.0338827839 0.4008708273
##
 21
##
 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
     ##
 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
      0.0294745835 0.0168350168 0.021183801 0.0297619048 0.3968069666
## 61
## 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
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
##
 71
##
 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
      0.0025630073 0.0000000000 0.000623053 0.0027472527 0.3962264151
## 96
## 97
      0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 98
      0.0046988466 0.0014430014 0.004984424 0.0041208791 0.3950653120
## 99
      0.0059803503 0.0057720058 0.001246106 0.0045787546 0.3994194485
## 100
      0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 101
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 102
      0.0354549338 0.0033670034 0.047352025 0.0352564103 0.3764876633
## 103
      ## 104
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 105
      0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 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
## 124
       0.0008543358 0.0004810005 0.000623053 0.0004578755 0.3965166909
## 125
       0.0439982913 0.0019240019 0.018691589 0.0393772894 0.3889695210
## 126
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 127
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 128
       ## 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
## 135
       0.1973515592 0.222222222 0.000000000 0.2115384615 0.5306240929
## 136
       0.8573259291 0.1996151996 0.991900312 0.8108974359 0.0548621190
## 137
       0.1448099103 0.1630591631 0.000000000 0.1552197802 0.4949201742
## 138
       0.2315249893 0.0024050024 0.049844237 0.2165750916 0.3747460087
## 139
       0.1029474584 0.0259740260 0.116510903 0.1053113553 0.3579100145
## 140
       0.4041008116 0.2049062049 0.323987539 0.4162087912 0.3692307692
## 141
       0.3049978642 0.0692640693 0.355140187 0.3154761905 0.2728592163
## 142
       0.4275950449 0.0327080327 0.380685358 0.4230769231 0.2388969521
## 143
       0.0845792396 0.0952380952 0.000000000 0.0906593407 0.4539912917
## 144
       0.2947458351 0.0115440115 0.148286604 0.2934981685 0.3343976778
## 145
       0.1503630927 0.0230880231 0.189408100 0.1478937729 0.3222060958
## 146
       0.3348996155 0.0072150072 0.073520249 0.3292124542 0.3666182874
## 147
       0.1166168304 0.0153920154 0.150155763 0.1153846154 0.3358490566
## 148
       0.1072191371 0.0062530063 0.046105919 0.1025641026 0.3788098694
## 149
       0.4237505340 0.4771524772 0.000000000 0.4542124542 0.6844702467
## 150
       0.7001281504 0.0582010582 0.183177570 0.6410256410 0.3462989840
## 151
       0.2199914566 0.2477152477 0.000000000 0.2358058608 0.5460087083
## 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
         0.2088850918 0.0115440115 0.047975078 0.2000915751 0.3811320755
## 161
## 162
         0.0803075609 0.0904280904 0.000000000 0.0860805861 0.4510885341
         0.2507475438 0.2823472823 0.000000000 0.2687728938 0.5669085631
## 163
         0.2486117044 0.0779220779 0.261682243 0.2385531136 0.3216255443
## 164
## 165
         0.3212302435 0.3617123617 0.000000000 0.3443223443 0.6148040639
## 166
         0.1960700555 0.0322270322 0.244236760 0.1891025641 0.3021770682
## 167
         0.2118752670 0.0379990380 0.259813084 0.2225274725 0.2984034833
## 168
         0.2020504058 0.2275132275 0.000000000 0.2165750916 0.5338171263
## 169
         0.2024775737 0.0687830688 0.206230530 0.2101648352 0.3419448476
## 170
         0.1290046988 0.1452621453 0.000000000 0.1382783883 0.4841799710
## 171
         0.7885519009 0.1159211159 1.000000000 0.7348901099 0.0005805515
## 172
         0.3566851773 0.4016354016 0.000000000 0.3823260073 0.6388969521
## 173
         0.4412644169 0.1370851371 0.466043614 0.4317765568 0.2621190131
## 174
         0.0619393422 0.0168350168 0.068535826 0.0654761905 0.3747460087
## 175
         0.3182400683 0.3583453583 0.000000000 0.3411172161 0.6127721335
## 176
         0.3340452798 0.3761423761 0.000000000 0.3580586081 0.6235123367
## 177
         0.2357966681 0.0298220298 0.305295950 0.2413003663 0.2722786647
## 178
         0.1003844511 0.1130351130 0.000000000 0.1076007326 0.4647314949
## 179
         0.2648440837 0.2982202982 0.000000000 0.2838827839 0.5764876633
## 180
         0.2050405809 0.2308802309 0.000000000 0.2197802198 0.5358490566
## 181
         0.5296881674 0.5964405964 0.000000000 0.5677655678 0.7564586357
## 182
         0.0756087142 0.0851370851 0.000000000 0.0810439560 0.4478955007
## 183
         0.0965399402 0.0245310245 0.109034268 0.0906593407 0.3605224964
## 184
         0.6497223409 0.2578162578 0.613707165 0.6579670330 0.2661828737
## 185
         0.5459205468 0.0711880712 0.704049844 0.5288461538 0.1114658926
## 186
         0.1157624947 0.0009620010 0.031152648 0.1185897436 0.3825834543
## 187
         0.0465612986 0.0524290524 0.000000000 0.0499084249 0.4281567489
## 188
         0.5745407945 0.6469456469 0.000000000 0.6158424908 0.7869375907
## 189
         0.2105937633 0.0033670034 0.031775701 0.2119963370 0.3837445573
## 190
         0.0751815463 0.0129870130 0.092834891 0.0782967033 0.3611030479
## 191
         0.1866723622 0.0264550265 0.238006231 0.1831501832 0.3015965167
## 192
         0.2276804784 0.0052910053 0.029906542 0.2170329670 0.3857764877
## 193
         ## 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
         0.3498504912 0.0293410293 0.154517134 0.3237179487 0.3422351234
## 209
```

```
## 210
        0.0965399402 0.0283790284 0.104049844 0.0924908425 0.3651669086
        0.2212729603 0.2491582492 0.000000000 0.2371794872 0.5468795356
## 211
## 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
        0.0158052114 0.0177970178 0.000000000 0.0169413919 0.4072568940
## 219
## 220
        0.1973515592 0.0149110149 0.048598131 0.1868131868 0.3828737300
## 221
        ## 222
        0.0017086715 0.0000000000 0.000623053 0.0018315018 0.3962264151
        ## 223
## 224
        0.0029901751 0.0000000000 0.000000000 0.0032051282 0.3965166909
## 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
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## 249
        0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 250
        0.2306706536 0.0062530063 0.038006231 0.2147435897 0.3825834543
## 251
        0.0012815036 0.0004810005 0.001246106 0.0009157509 0.3962264151
## 252
        0.0034173430 0.0024050024 0.001869159 0.0036630037 0.3970972424
## 253
        ## 254
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## 255
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## 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
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## 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
## 265
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 266
        0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
##
  267
        0.0038445109 0.0000000000 0.000623053 0.0041208791 0.3962264151
## 268
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## 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
        0.0256300726 0.0038480038 0.032398754 0.0247252747 0.3837445573
## 273
## 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
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## 280
        0.0465612986 0.0009620010 0.018068536 0.0421245421 0.3886792453
## 281
        0.0017086715 0.0000000000 0.000623053 0.0013736264 0.3962264151
## 282
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## 283
        0.0021358394 0.0009620010 0.001869159 0.0022893773 0.3962264151
## 284
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## 285
        0.5241349850 0.3554593555 0.304049844 0.5407509158 0.4693759071
## 286
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## 287
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## 288
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 289
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## 290
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## 293
        0.1503630927 0.1693121693 0.000000000 0.1611721612 0.4986937591
## 294
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## 295
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## 296
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## 297
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## 298
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## 299
        ## 300
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## 301
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## 302
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## 303
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## 304
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## 305
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## 306
        0.0021358394 0.0000000000 0.003115265 0.0022893773 0.3950653120
## 307
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## 308
        0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
        0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 309
```

```
## 310
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       ## 311
## 312
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## 313
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## 314
       ## 315
       ## 316
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##
  317
       0.0286202478 0.0110630111 0.027414330 0.0302197802 0.3904208999
## 318
       0.0034173430 0.0009620010 0.002492212 0.0027472527 0.3959361393
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 319
## 320
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## 321
       0.1824006835 0.2053872054 0.000000000 0.1955128205 0.5204644412
## 322
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 323
## 324
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## 325
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## 326
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## 327
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## 328
       ## 329
       ## 330
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## 331
       ## 332
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## 333
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## 334
       ## 335
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       0.2580093977 0.2905242905 0.000000000 0.2765567766 0.5718432511
## 336
## 337
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## 338
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## 339
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## 340
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## 341
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## 342
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## 343
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## 344
       ## 345
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 346
## 347
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## 348
       ## 349
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## 350
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## 351
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## 352
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## 354
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## 355
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## 356
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## 357
       ## 358
       0.0645023494 0.0009620010 0.008099688 0.0631868132 0.3933236575
       0.0286202478 0.0024050024 0.008722741 0.0274725275 0.3939042090
## 359
```

```
## 360
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## 361
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## 362
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## 363
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## 364
         0.0264844084 0.0298220298 0.000000000 0.0283882784 0.4145137881
         0.0905595899 0.0086580087 0.120872274 0.0938644689 0.3454281567
## 365
## 366
         0.3588210167 0.0471380471 0.462305296 0.3713369963 0.2095791001
##
  367
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## 368
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## 369
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## 370
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## 371
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## 372
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## 373
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## 374
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## 375
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## 376
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## 377
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## 378
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## 379
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## 380
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## 381
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## 382
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## 383
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## 384
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## 385
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## 386
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## 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
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## 391
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## 392
         0.0119607006 0.0033670034 0.013084112 0.0119047619 0.3924528302
## 393
         0.0226398975 0.0038480038 0.028037383 0.0210622711 0.3857764877
## 394
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## 395
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## 396
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## 397
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## 398
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## 399
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## 400
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## 401
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## 402
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## 403
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## 404
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## 405
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## 406
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## 407
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## 408
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         0.2225544639 0.1130351130 0.178193146 0.2193223443 0.3817126270
## 409
```

```
0.0448526271 0.0004810005 0.011214953 0.0453296703 0.3915820029
## 410
## 411
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## 413
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## 415
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## 416
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## 417
         0.0551046561 0.0240500241 0.049221184 0.0512820513 0.3880986938
## 418
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## 419
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## 420
## 421
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## 422
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## 423
         0.0226398975 0.0254930255 0.000000000 0.0242673993 0.4119013062
## 424
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## 425
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## 426
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## 427
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## 428
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## 429
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## 430
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## 431
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## 432
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## 433
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## 434
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## 435
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## 436
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## 437
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## 438
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## 439
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## 440
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## 441
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## 445
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## 446
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## 447
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## 449
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## 450
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## 451
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         0.0431439556 0.0072150072 0.053582555 0.0393772894 0.3759071118
## 452
## 453
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## 454
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## 456
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## 457
         0.0709098676 0.0110630111 0.089096573 0.0686813187 0.3616835994
## 458
         0.0461341307 0.0182780183 0.043613707 0.0421245421 0.3872278665
         0.0119607006 0.0014430014 0.015576324 0.0114468864 0.3901306241
## 459
```

```
0.0333190944 0.0375180375 0.000000000 0.0357142857 0.4191582003
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## 463
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## 465
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## 468
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## 470
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## 471
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## 472
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## 473
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## 474
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## 475
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## 476
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## 477
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## 478
        ## 479
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## 480
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## 483
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## 485
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## 486
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        0.0926954293 0.0072150072 0.018691589 0.0865384615 0.3921625544
## 509
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## 559
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## 609
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## 629
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## 652
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## 656
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## 658
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         0.0029901751 0.0000000000 0.004361371 0.0032051282 0.3944847605
## 659
```

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## 660
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## 662
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## 663
## 664
      0.0029901751 0.0000000000 0.001869159 0.0032051282 0.3956458636
## 665
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      0.0012815036 0.0004810005 0.001246106 0.0013736264 0.3962264151
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## 669
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      ## 671
      ## 672
      ## 673
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      ## 676
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## 677
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## 678
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## 679
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      ## 681
      ## 682
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## 683
      ## 684
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## 685
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## 686
      0.0017086715 0.0000000000 0.002492212 0.0018315018 0.3953555878
## 687
      ## 688
      ## 689
      ## 690
      ## 691
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## 692
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## 693
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## 694
      ## 695
      0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 696
## 697
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 698
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 699
##
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
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      0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 701
      ## 702
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
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##
## 704
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## 705
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## 706
      0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
## 707
      0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
##
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      0.0008543358 0.0004810005 0.000623053 0.0004578755 0.3965166909
      0.0012815036 0.0000000000 0.001869159 0.0013736264 0.3956458636
## 709
```

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## 710
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   ## 712
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## 713
   ## 714
   ## 715
   ##
 716
   ##
 717
   ## 718
   ## 719
   ## 720
   ## 721
   ##
 722
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## 723
   ## 724
   ##
 725
   0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
##
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## 727
   0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 728
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   ## 730
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## 732
   ##
 733
   ## 734
   ##
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## 737
   ## 738
   ##
 739
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 740
##
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## 741
   ##
 742
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## 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
   753
##
   0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 754
   ## 755
   ## 756
   757
##
   ##
 758
   ## 759
   0.0017086715 0.0014430014 0.000623053 0.0013736264 0.3970972424
```

```
## 760
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## 761
## 762
         0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 763
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## 764
## 765
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##
  766
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##
  767
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## 768
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## 769
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## 770
## 771
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##
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## 782
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## 785
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## 788
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## 792
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## 793
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## 794
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## 795
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## 796
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## 807
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## 808
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## 809
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## 810
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## 828
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## 833
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## 834
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## 835
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## 836
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## 837
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## 843
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## 845
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        0.0713370355 0.0803270803 0.000000000 0.0764652015 0.4449927431
## 846
## 847
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## 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
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## 877
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## 879
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## 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
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## 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
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## 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
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## 927
    ## 928
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## 929
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    ## 931
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## 933
    ## 934
    ## 935
    ## 936
    ## 937
    ## 938
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## 939
    ## 940
    ## 941
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## 942
    ## 943
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## 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
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## 952
    ## 953
    ## 954
    ## 955
    ## 956
    ## 957
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## 958
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## 959
    0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
```

```
## 960
       ## 961
## 962
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## 963
       ## 964
       ## 965
       ## 966
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## 967
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## 968
       0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 969
## 970
       0.0008543358 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 971
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       ## 973
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       ## 975
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## 976
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## 977
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## 978
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## 979
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## 980
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## 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
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## 986
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## 987
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## 989
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## 990
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## 991
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## 992
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## 995
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## 996
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## 997
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## 998
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## 1000
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## 1001
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## 1002
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## 1003
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## 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
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       0.0217855617 0.0153920154 0.011838006 0.0210622711 0.4002902758
## 1009
```

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## 1012
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## 1016
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## 1017
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## 1018
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## 1019
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## 1021
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## 1022
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## 1030
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## 1031
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        0.0059803503 0.0033670034 0.004361371 0.0064102564 0.3965166909
## 1032
## 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
        0.1012387868 0.0101010101 0.100934579 0.0618131868 0.3555878084
## 1037
## 1038
        0.0179410508 0.0202020202 0.000000000 0.0192307692 0.4087082729
## 1039
        0.0106791969 0.0120250120 0.000000000 0.0114468864 0.4037735849
## 1040
        ## 1041
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## 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
        0.0234942332 0.0081770082 0.023676012 0.0247252747 0.3904208999
## 1046
## 1047
        0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 1048
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## 1049
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## 1050
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## 1051
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## 1052
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## 1053
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## 1054
        0.0303289193 0.0153920154 0.024299065 0.0233516484 0.3944847605
## 1055
        0.0563861598 0.0004810005 0.030529595 0.0531135531 0.3825834543
## 1056
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        0.0017086715 0.0019240019 0.000000000 0.0018315018 0.3976777939
## 1057
## 1058
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```

```
## 1060
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## 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
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## 1065
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## 1066
        0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 1067
        0.3255019223 0.3665223665 0.000000000 0.3489010989 0.6177068215
## 1068
        0.1977787270 0.2227032227 0.000000000 0.2119963370 0.5309143687
## 1069
        0.0226398975 0.0009620010 0.030529595 0.0219780220 0.3828737300
## 1070
        0.0085433575 0.0096200096 0.000000000 0.0091575092 0.4023222061
## 1071
        0.0384451089 0.0057720058 0.003738318 0.0343406593 0.3982583454
## 1072
        0.2934643315 0.0024050024 0.013084112 0.3104395604 0.3918722787
## 1073
        0.0098248612 0.0019240019 0.004984424 0.0082417582 0.3953555878
## 1074
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## 1075
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## 1076
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## 1077
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## 1078
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## 1079
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## 1082
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## 1083
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## 1086
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        0.0192225545 0.0052910053 0.014953271 0.0151098901 0.3927431060
## 1087
## 1088
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## 1089
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## 1090
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## 1091
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## 1092
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## 1093
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## 1094
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## 1095
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        0.0350277659 0.0014430014 0.037383178 0.0329670330 0.3799709724
## 1096
## 1097
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## 1098
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## 1099
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## 1100
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## 1101
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## 1102
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## 1103
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## 1104
        ## 1105
        ## 1106
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## 1107
## 1108
        0.0089705254 0.0101010101 0.000000000 0.000000000 0.4026124819
```

```
## 1110
## 1111
       ## 1112
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       ## 1113
## 1114
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1115
       0.0072618539 0.0000000000 0.001869159 0.0068681319 0.3956458636
## 1116
       0.0021358394 0.0014430014 0.001246106 0.0013736264 0.3968069666
## 1117
       ## 1118
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## 1120
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## 1121
       ## 1122
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## 1123
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## 1124
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## 1125
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1126
       0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1127
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## 1128
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## 1129
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## 1130
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## 1131
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       0.0098248612 0.0009620010 0.002492212 0.0086996337 0.3959361393
## 1132
## 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
       0.0055531824 0.0004810005 0.002492212 0.0045787546 0.3956458636
## 1137
## 1138
       0.0038445109 0.0043290043 0.000000000 0.0041208791 0.3991291727
## 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
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       0.0089705254 0.0000000000 0.001869159 0.0086996337 0.3956458636
## 1146
## 1147
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## 1148
## 1149
       0.0017086715 0.0000000000 0.000623053 0.0018315018 0.3962264151
## 1150
       ## 1151
       0.0098248612 0.0110630111 0.000000000 0.0105311355 0.4031930334
## 1152
       0.0448526271 0.0163540164 0.044236760 0.0329670330 0.3857764877
## 1153
       0.0209312260 0.0072150072 0.021183801 0.0224358974 0.3910014514
       0.0068346860 0.0048100048 0.003738318 0.0073260073 0.3976777939
## 1154
## 1155
       0.0042716788 0.0000000000 0.000000000 0.0045787546 0.3965166909
## 1156
       ## 1157
       0.0072618539 0.0081770082 0.000000000 0.0077838828 0.4014513788
## 1158
       0.0038445109 0.0000000000 0.000623053 0.0036630037 0.3962264151
       0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
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0.0055531824 0.0009620010 0.006853583 0.0054945055 0.3939042090
## 1160
## 1161
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## 1162
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       0.0017086715 0.0004810005 0.001246106 0.0009157509 0.3962264151
## 1163
## 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
        0.0029901751 0.0000000000 0.000623053 0.0032051282 0.3962264151
## 1169
## 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
## 1179
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## 1180
        0.0034173430 0.0019240019 0.002492212 0.0022893773 0.3965166909
## 1181
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## 1182
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## 1183
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## 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
        0.0029901751 0.0000000000 0.003115265 0.0027472527 0.3950653120
## 1196
## 1197
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## 1198
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## 1199
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## 1200
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## 1201
        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
## 1205
        0.0025630073 0.0000000000 0.000623053 0.0022893773 0.3962264151
## 1206
        0.0025630073 0.0000000000 0.000000000 0.0027472527 0.3965166909
        0.0132422042 0.0004810005 0.018691589 0.0137362637 0.3880986938
## 1207
## 1208
        0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
       0.0081161897 0.0009620010 0.000623053 0.0077838828 0.3968069666
```

```
0.0021358394 0.0000000000 0.000623053 0.0022893773 0.3962264151
## 1210
## 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
## 1216
        0.0051260145 0.0004810005 0.002492212 0.0050366300 0.3956458636
## 1217
        0.0017086715 0.0000000000 0.001246106 0.0018315018 0.3959361393
## 1218
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        0.0029901751 0.0000000000 0.004361371 0.0032051282 0.3944847605
## 1219
## 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
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## 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
## 1238
        0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 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
        0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
## 1246
## 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
## 1251
        0.0025630073 0.0000000000 0.001246106 0.0027472527 0.3959361393
## 1252
        0.0017086715 0.0009620010 0.001246106 0.0013736264 0.3965166909
## 1253
        0.0128150363 0.0038480038 0.011214953 0.0082417582 0.3936139332
## 1254
        ## 1255
        0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 1256
        0.0025630073 0.0028860029 0.000000000 0.0027472527 0.3982583454
        0.0012815036 0.0004810005 0.001246106 0.0013736264 0.3962264151
## 1257
## 1258
        0.0025630073 0.0004810005 0.003115265 0.0022893773 0.3953555878
        0.0089705254 0.0004810005 0.012461059 0.0096153846 0.3910014514
```

```
## 1260
       0.0042716788 0.0004810005 0.005607477 0.0041208791 0.3941944848
## 1261
       0.0213583938 0.0019240019 0.028660436 0.0210622711 0.3843251089
## 1262
       0.0046988466 0.0000000000 0.000623053 0.0050366300 0.3962264151
## 1263
       0.0017086715 0.0004810005 0.001869159 0.0018315018 0.3959361393
## 1264
       0.0004271679 0.0004810005 0.000000000 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
## 1270
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## 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
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## 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
        0.0093976933 0.0000000000 0.002492212 0.0082417582 0.3953555878
## 1287
## 1288
        0.0209312260 0.0009620010 0.029283489 0.0215201465 0.3834542816
## 1289
        0.0102520290 0.0019240019 0.012461059 0.0091575092 0.3918722787
## 1290
       0.0072618539 0.0000000000 0.004361371 0.0077838828 0.3944847605
## 1291
       0.0081161897 0.0004810005 0.002492212 0.0082417582 0.3956458636
## 1292
        0.0149508757 0.0043290043 0.016199377 0.0146520147 0.3915820029
## 1293
       0.0252029047 0.0283790284 0.000000000 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
        0.0029901751 0.0033670034 0.000000000 0.0032051282 0.3985486212
## 1296
## 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
## 1301
        0.0051260145 0.0014430014 0.005607477 0.0050366300 0.3947750363
## 1302
       0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
        0.0072618539 0.0004810005 0.009968847 0.0073260073 0.3921625544
## 1303
## 1304
       0.0051260145 0.0024050024 0.004361371 0.0045787546 0.3959361393
## 1305
        0.0132422042 0.0149110149 0.000000000 0.0141941392 0.4055152395
## 1306
       0.0555318240 0.0192400192 0.056074766 0.0581501832 0.3820029028
        0.0316104229 0.0182780183 0.022429907 0.0338827839 0.3970972424
## 1307
## 1308
        0.0798803930 0.0129870130 0.099688474 0.0833333333 0.3579100145
       0.0093976933 0.0004810005 0.013084112 0.0096153846 0.3907111756
```

```
0.1204613413 0.1356421356 0.000000000 0.1291208791 0.4783744557
## 1310
## 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
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## 1335
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## 1336
        ## 1337
        0.0149508757 0.0009620010 0.009345794 0.0137362637 0.3927431060
## 1338
        0.0213583938 0.0062530063 0.023052960 0.0224358974 0.3895500726
## 1339
        0.0290474156 0.0004810005 0.006853583 0.0297619048 0.3936139332
## 1340
        0.0760358821 0.0057720058 0.103426791 0.0801282051 0.3518142235
## 1341
        ## 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
        0.0217855617 0.0009620010 0.007476636 0.0219780220 0.3936139332
## 1346
## 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
## 1351
        0.0158052114 0.0014430014 0.021183801 0.0164835165 0.3875181422
## 1352
        0.0140965399 0.0009620010 0.001869159 0.0137362637 0.3962264151
        0.0303289193 0.0004810005 0.009345794 0.0302197802 0.3924528302
## 1353
## 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
        0.0230670654 0.0009620010 0.006230530 0.0228937729 0.3941944848
## 1357
## 1358
```

```
## 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
## 1374
     0.4498077745 0.2905242905 0.279750779 0.4711538462 0.4415094340
## 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
## 1388
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 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
## 1401
     0.0038445109 0.0004810005 0.004984424 0.0041208791 0.3944847605
## 1402
     0.0034173430 0.0038480038 0.000000000 0.0036630037 0.3988388970
## 1403
     0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 1404
     0.0025630073 0.0000000000 0.003738318 0.0027472527 0.3947750363
## 1405
     0.0012815036 0.0000000000 0.000000000 0.0013736264 0.3965166909
## 1406
     ## 1407
     ## 1408
     0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1409
```

```
## 1410
## 1411
       0.0004271679 0.0000000000 0.000000000 0.0004578755 0.3965166909
## 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
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       0.0008543358 0.0000000000 0.001246106 0.0009157509 0.3959361393
## 1432
## 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
       0.1170439983 0.1317941318 0.000000000 0.1254578755 0.4760522496
## 1437
## 1438
       0.0619393422 0.0442520443 0.033021807 0.0636446886 0.4078374456
## 1439
       0.3045706963 0.0490620491 0.300934579 0.2719780220 0.2859216255
## 1440
       0.5284066638 0.0096200096 0.142056075 0.5260989011 0.3361393324
## 1441
       0.0499786416 0.0043290043 0.067289720 0.0494505495 0.3677793904
## 1442
       0.0230670654 0.0259740260 0.000000000 0.0247252747 0.4121915820
## 1443
       0.0106791969 0.0009620010 0.009345794 0.0105311355 0.3927431060
## 1444
       0.1636052969 0.0274170274 0.203115265 0.1584249084 0.3184325109
## 1445
       0.4122170013 0.0500240500 0.536448598 0.4052197802 0.1767779390
       0.4147800085 0.0452140452 0.546417445 0.4230769231 0.1692307692
## 1446
## 1447
       0.1431012388 0.1611351611 0.000000000 0.1533882784 0.4937590711
## 1448
       0.1067919692 0.0076960077 0.145794393 0.1071428571 0.3332365747
## 1449
       0.0299017514 0.0057720058 0.036137072 0.0311355311 0.3831640058
## 1450
       0.2379325075 0.0274170274 0.114018692 0.2225274725 0.3599419448
## 1451
       0.0320375908 0.0360750361 0.000000000 0.0343406593 0.4182873730
## 1452
       0.0239214011 0.0086580087 0.023676012 0.0201465201 0.3907111756
## 1453
       0.1802648441 0.2029822030 0.000000000 0.1932234432 0.5190130624
## 1454
       0.5219991457 0.0702260702 0.420560748 0.4729853480 0.2429608128
## 1455
       0.0790260572 0.0625300625 0.034267913 0.0842490842 0.4182873730
## 1456
       0.0187953866 0.0211640212 0.000000000 0.0201465201 0.4092888244
       0.7488252883 0.2029822030 0.829283489 0.7765567766 0.1326560232
## 1457
## 1458
       0.1524989321 0.1717171717 0.000000000 0.1634615385 0.5001451379
```

```
## 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
        0.1606151217 0.1808561809 0.000000000 0.1721611722 0.5056603774
## 1465
## 1466
        0.0585219991 0.0028860029 0.028037383 0.0599816850 0.3851959361
## 1467
        0.1811191798 0.0567580568 0.190654206 0.1730769231 0.3419448476
## 1468
        0.2524562153 0.0379990380 0.140809969 0.2261904762 0.3538461538
## 1469
## 1470
        0.1764203332 0.1986531987 0.000000000 0.1891025641 0.5164005806
## 1471
        0.0380179411 0.0428090428 0.000000000 0.0407509158 0.4223512337
## 1472
        0.4818453652 0.1255411255 0.540186916 0.4853479853 0.2206095791
## 1473
        0.1085006408 0.0327080327 0.115887850 0.1126373626 0.3622641509
## 1474
        0.0935497651 0.0024050024 0.026791277 0.0952380952 0.3854862119
## 1475
        0.0286202478 0.0322270322 0.000000000 0.0306776557 0.4159651669
## 1476
        0.0256300726 0.0288600289 0.000000000 0.0274725275 0.4139332366
## 1477
        0.0905595899 0.1019721020 0.000000000 0.0970695971 0.4580551524
## 1478
        0.1917983768 0.0115440115 0.092834891 0.1891025641 0.3602322206
## 1479
        0.1260145237 0.1418951419 0.000000000 0.1350732601 0.4821480406
## 1480
        0.1161896625 0.0230880231 0.139563863 0.1195054945 0.3454281567
## 1481
        0.0764630500 0.0226070226 0.082242991 0.0782967033 0.3718432511
## 1482
        0.0815890645 0.0918710919 0.000000000 0.0874542125 0.4519593614
## 1483
        0.2127296027 0.0187590188 0.225545171 0.2055860806 0.3027576197
## 1484
        0.0371636053 0.0418470418 0.000000000 0.0398351648 0.4217706821
## 1485
        0.1674498078 0.0062530063 0.105919003 0.1703296703 0.3509433962
## 1486
        0.0828705681 0.0933140933 0.000000000 0.0888278388 0.4528301887
## 1487
        0.0572404955 0.0644540645 0.000000000 0.0613553114 0.4354136430
## 1488
        0.0602306707 0.0678210678 0.000000000 0.0645604396 0.4374455733
## 1489
        0.0371636053 0.0418470418 0.000000000 0.0398351648 0.4217706821
## 1490
        0.0623665100 0.0067340067 0.082242991 0.0636446886 0.3622641509
## 1491
        0.0909867578 0.0033670034 0.033021807 0.0892857143 0.3831640058
## 1492
        0.0247757369 0.0278980279 0.000000000 0.0265567766 0.4133526851
## 1493
        0.1704399829 0.0057720058 0.103426791 0.1721611722 0.3518142235
## 1494
        0.1033746262 0.0043290043 0.058566978 0.1034798535 0.3718432511
## 1495
        0.1008116190 0.0024050024 0.062305296 0.0998168498 0.3689404935
        0.1456642460 0.0389610390 0.161993769 0.1478937729 0.3445573295
## 1496
## 1497
        0.1038017941 0.1168831169 0.000000000 0.1112637363 0.4670537010
## 1498
        0.1785561726 0.0028860029 0.026791277 0.1717032967 0.3857764877
## 1499
        0.0884237505 0.0105820106 0.021183801 0.0755494505 0.3930333817
## 1500
        0.0820162324 0.0923520924 0.000000000 0.0879120879 0.4522496372
## 1501
        0.1841093550 0.0028860029 0.013707165 0.1845238095 0.3918722787
## 1502
        0.0538231525 0.0606060606 0.000000000 0.0576923077 0.4330914369
## 1503
        0.0794532251 0.0048100048 0.023052960 0.0792124542 0.3886792453
## 1504
        0.0153780436 0.0004810005 0.009345794 0.0146520147 0.3924528302
## 1505
        0.0401537804 0.0062530063 0.009345794 0.0352564103 0.3959361393
## 1506
        0.0807347287 0.0091390091 0.031152648 0.0709706960 0.3875181422
        0.0961127723 0.0692640693 0.050467290 0.1021062271 0.4148040639
## 1507
## 1508
        0.0149508757 0.0052910053 0.014953271 0.0160256410 0.3927431060
        0.0965399402 0.1087061087 0.000000000 0.1034798535 0.4621190131
```

```
0.0064075182 0.0072150072 0.000000000 0.0068681319 0.4008708273
## 1510
        0.0158052114 0.0009620010 0.003738318 0.0160256410 0.3953555878
## 1511
## 1512
        0.1170439983 0.0014430014 0.121495327 0.1236263736 0.3407837446
## 1513
        0.0542503204 0.0033670034 0.074766355 0.0558608059 0.3637155298
## 1514
        0.0867150790 0.0490620491 0.062928349 0.0929487179 0.3968069666
## 1515
         0.1114908159 0.0014430014 0.160747664 0.1190476190 0.3224963716
## 1516
        0.0029901751 0.0000000000 0.001869159 0.0027472527 0.3956458636
## 1517
        0.0482699701 0.0014430014 0.007476636 0.0467032967 0.3939042090
## 1518
        0.0542503204 0.0086580087 0.067912773 0.0567765568 0.3701015965
## 1519
         0.0286202478 0.0000000000 0.041744548 0.0306776557 0.3770682148
## 1520
        0.0046988466 0.0009620010 0.005607477 0.0050366300 0.3944847605
## 1521
        0.0568133276 0.0014430014 0.018691589 0.0590659341 0.3886792453
## 1522
        0.1798376762 0.0038480038 0.034890966 0.1858974359 0.3825834543
## 1523
        0.4305852200 0.0149110149 0.608722741 0.4491758242 0.1219158200
## 1524
         0.0388722768 0.0437710438 0.000000000 0.0416666667 0.4229317852
## 1525
        0.2998718496 0.3376623377 0.000000000 0.3214285714 0.6002902758
## 1526
        0.1093549765 0.0000000000 0.000000000 0.1172161172 0.3965166909
## 1527
        0.0106791969 0.0009620010 0.004984424 0.0105311355 0.3947750363
         0.1473729176 0.0413660414 0.161370717 0.1506410256 0.3462989840
## 1528
## 1529
         0.1187526698 0.0288600289 0.135825545 0.1263736264 0.3506531205
## 1530
        0.0747543785 0.0038480038 0.044236760 0.0760073260 0.3782293179
## 1531
        0.0281930799 0.0317460317 0.000000000 0.0302197802 0.4156748911
        0.0747543785 0.0004810005 0.026791277 0.0787545788 0.3843251089
## 1532
## 1533
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## 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
         0.1819735156 0.0096200096 0.138317757 0.1826923077 0.3378809869
## 1537
## 1538
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## 1539
         0.0495514737 0.0052910053 0.065420561 0.0485347985 0.3692307692
## 1540
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        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
## 1545
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         0.0162323793 0.0000000000 0.001869159 0.0164835165 0.3956458636
## 1546
## 1547
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## 1548
        0.0179410508 0.0004810005 0.025545171 0.0192307692 0.3849056604
## 1549
        0.1170439983 0.0101010101 0.157632399 0.1240842491 0.3291727141
## 1550
        0.1012387868 0.0019240019 0.012461059 0.1048534799 0.3918722787
## 1551
        0.3421614695 0.3852813853 0.000000000 0.3667582418 0.6290275762
## 1552
        0.0085433575 0.0096200096 0.000000000 0.0091575092 0.4023222061
## 1553
         0.3186672362 0.0052910053 0.269158879 0.3351648352 0.2743105951
## 1554
        0.1230243486 0.0048100048 0.173208723 0.1295787546 0.3187227866
## 1555
         0.1161896625 0.1308321308 0.000000000 0.1245421245 0.4754716981
## 1556
        0.0316104229 0.0355940356 0.000000000 0.0338827839 0.4179970972
         0.0721913712 0.0812890813 0.000000000 0.0773809524 0.4455732946
## 1557
## 1558
         0.1610422896 0.0009620010 0.004984424 0.1694139194 0.3947750363
```

```
0.0790260572 0.0889850890 0.000000000 0.0847069597 0.4502177068
## 1560
        0.0995301153 0.0471380471 0.084112150 0.1016483516 0.3857764877
## 1561
## 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
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## 1566
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## 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
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## 1572
        0.2490388723 0.0634920635 0.280996885 0.2641941392 0.3039187228
## 1573
        0.0196497223 0.0024050024 0.006230530 0.0178571429 0.3950653120
## 1574
        0.4190516873 0.0076960077 0.601246106 0.4468864469 0.1210449927
## 1575
        0.1905168731 0.0226070226 0.248598131 0.2037545788 0.2943396226
## 1576
        0.3216574114 0.0004810005 0.011838006 0.3406593407 0.3912917271
## 1577
        0.0303289193 0.0216450216 0.016199377 0.0325091575 0.4020319303
## 1578
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## 1579
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## 1580
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## 1581
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        0.2302434857 0.1577681578 0.131464174 0.2463369963 0.4304789550
## 1582
## 1583
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## 1584
        0.0012815036 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 1585
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        0.0076890218 0.0004810005 0.002492212 0.0064102564 0.3956458636
## 1586
## 1587
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## 1588
        0.0158052114 0.0014430014 0.003115265 0.0146520147 0.3959361393
## 1589
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## 1590
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## 1591
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## 1592
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## 1593
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## 1594
         0.0102520290 0.00000000000 0.000000000 0.0109890110 0.3965166909
## 1595
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         0.0004271679 0.0000000000 0.000623053 0.0004578755 0.3962264151
## 1596
## 1597
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## 1598
        0.0140965399 0.0158730159 0.000000000 0.0151098901 0.4060957910
## 1599
        0.0162323793 0.0033670034 0.019314642 0.0173992674 0.3895500726
## 1600
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## 1601
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## 1602
        0.0042716788 0.0048100048 0.000000000 0.0045787546 0.3994194485
## 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
         0.0277659120 0.0101010101 0.027414330 0.0297619048 0.3898403483
## 1607
## 1608
         0.0781717215 0.0043290043 0.023052960 0.0778388278 0.3883889695
## 1609
        0.0008543358 0.0000000000 0.000000000 0.0009157509 0.3965166909
```

```
0.0021358394 0.0000000000 0.003115265 0.0022893773 0.3950653120
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## 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
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## 1627
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## 1629
     0.0683468603 0.0028860029 0.095950156 0.0718864469 0.3535558781
## 1630
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## 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
     ## 1635
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## 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
     0.0004271679 0.0004810005 0.000000000 0.0004578755 0.3968069666
## 1646
## 1647
     ## 1648
     ## 1649
     0.0004271679 0.0004810005 0.000000000 0.0000000000 0.3968069666
## 1650
     0.0008543358 0.0009620010 0.000000000 0.0009157509 0.3970972424
## 1651
     ## 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
```

```
## 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
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## 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
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## 1700
    ## 1701
    ## 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
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## 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
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## 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
## 1751
    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
```

```
## 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
     0.0008543358 0.0000000000 0.000623053 0.0009157509 0.3962264151
## 1774
## 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
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## 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
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## 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
       0.0025630073 0.0000000000 0.003115265 0.0027472527 0.3950653120
## 1837
## 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
       ## 1851
       0.0042716788 0.0000000000 0.000000000 0.0045787546 0.3965166909
##
             X65
                       X166
                                   X2 X0.6
                                                X24 X0.7 X0.8 X0.9
## 1
       0.13888889 6.145251e-03 0.000000e+00
                                       NaN 1.00000000
                                                      0
                                                          0
                                                              0
                                                              0
## 2
       0.19444444 6.191806e-03 6.903265e-06
                                       NaN 1.00000000
                                                      0
                                                          0
## 3
       0.86111111 6.098696e-03 0.000000e+00
                                       NaN 1.00000000
                                                          0
                                                              0
                                                      0
## 4
       0.80555556 6.610801e-03 2.761306e-05
                                       NaN 1.00000000
                                                      0
                                                          1
                                                              0
## 5
       0.83333333 7.728119e-03 0.000000e+00
                                       NaN 1.00000000
                                                      0
                                                          0
                                                              1
## 6
       0.94444444 6.750466e-03 6.903265e-06
                                       NaN 1.00000000
                                                      0
                                                          0
                                                              0
## 7
       0.44444444 7.309125e-03 6.903265e-06 NaN 1.00000000
                                                      0
```

```
## 8
         0.48611111 8.240223e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 9
         0.66666667 5.865922e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 10
         0.72222222 8.752328e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         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
                                                                     0
                                                                          0
                                                                                1
## 13
         0.51388889 5.865922e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  14
         0.31944444 4.795158e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          1
##
  15
         0.5555556 7.355680e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.75000000 7.029795e-03 6.903265e-06
##
  16
                                                  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
  22
         0.75000000 2.979516e-03 0.000000e+00
                                                  NaN 1.00000000
##
                                                                     0
                                                                          0
                                                                                0
##
  23
         0.95833333 5.167598e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  24
         0.98611111 7.262570e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 25
         0.84722222 9.264432e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
##
   26
         0.18055556 1.396648e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  27
         0.68055556 4.469274e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
  28
         0.48611111 3.119181e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          1
##
  29
         0.15277778 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
##
  30
         0.51388889 7.821229e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  31
         0.00000000 3.910615e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  32
         0.15277778 5.400372e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                1
##
   33
         0.59722222 2.979516e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  34
         0.25000000 6.191806e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.88888889 8.659218e-03 1.380653e-05
##
  35
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
         0.70833333 9.543762e-03 0.000000e+00
##
  36
                                                  NaN 1.00000000
                                                                     0
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##
  37
         0.93055556 9.776536e-03 1.863881e-04
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     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
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##
  40
         0.52777778 5.726257e-03 1.104522e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.91666667 3.165736e-03 6.903265e-06
## 41
                                                  NaN 1.00000000
                                                                                0
         0.33333333 6.191806e-03 1.380653e-05
##
  42
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  43
         0.65277778 4.655493e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.36111111 4.841713e-03 6.903265e-06
## 44
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 45
         0.61111111 5.121043e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                1
                                                                     0
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## 46
         0.83333333 4.702048e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 47
         0.68055556 5.633147e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  48
         0.45833333 6.703911e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                                0
                                                                          0
## 49
         0.01388889 7.821229e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 50
         0.09722222 6.657356e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 51
         0.75000000 4.236499e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 52
         0.63888889 2.420857e-03 4.141959e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 53
         0.5555556 9.404097e-03 2.001947e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 54
         0.93055556 3.864060e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.75000000 4.376164e-03 0.000000e+00
## 55
                                                  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
```

```
## 58
         0.77777778 9.124767e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 59
         0.63888889 2.932961e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
## 60
         0.56944444 5.353818e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
         0.41666667 9.171322e-03 2.485175e-04
## 61
                                                  NaN 1.00000000
                                                                     1
                                                                           0
                                                                                0
## 62
         0.68055556 9.823091e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 63
         0.58333333 5.400372e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           1
                                                                                0
         0.80555556 9.264432e-03 6.903265e-06
                                                  NaN 1.00000000
##
  64
                                                                     0
                                                                           0
                                                                                1
##
   65
         0.79166667 3.026071e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
##
  66
         0.25000000 3.165736e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
##
  67
         0.54166667 6.005587e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                           0
                                                                     0
                                                                                0
## 68
         0.30555556 8.100559e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
##
  69
         0.15277778 9.823091e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
##
  70
         0.23611111 4.562384e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                           0
##
  71
         0.43055556 7.681564e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
  72
         0.52777778 1.000931e-02 6.903265e-06
##
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
##
  73
         0.63888889 1.052142e-02 1.518718e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  74
         0.16666667 9.450652e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
##
  75
         0.80555556 5.819367e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
##
  76
         0.04166667 8.007449e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
##
  77
         0.01388889 7.122905e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
  78
         0.05555556 5.912477e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          0
##
  79
         0.75000000 3.584730e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
         0.93055556 9.124767e-03 6.903265e-06
## 80
                                                  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
                                                                           1
                                                                                0
## 83
         0.48611111 3.538175e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                           1
                                                                                0
##
  84
         0.97222222 7.355680e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                1
                                                                           0
## 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
         0.81944444 8.566108e-03 2.070979e-05
## 88
                                                  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
##
  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
         0.94444444 5.633147e-03 0.000000e+00
## 94
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 95
         0.69444444 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                           0
                                                                                0
                                                                     0
## 96
         0.93055556 7.076350e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 97
         0.51388889 7.309125e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 98
         0.44444444 6.564246e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 99
         0.40277778 6.424581e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           1
                                                                                0
## 100
         0.63888889 3.258845e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
## 101
         0.59722222 7.914339e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
## 102
         0.5555556 8.007449e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
         0.13888889 6.843575e-03 2.761306e-05
## 103
                                                  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
```

```
## 108
         0.58333333 5.493482e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 109
         0.50000000 6.703911e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 110
         0.04166667 3.677840e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 111
         0.2222222 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
                                                                          0
                                                                                0
## 116
         0.01388889 5.307263e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 117
         0.61111111 5.353818e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     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
         0.25000000 3.072626e-03 2.209045e-04
                                                                                0
## 122
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 123
         0.95833333 4.655493e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 124
         0.45833333 5.121043e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.91666667 1.675978e-03 1.173555e-04
## 125
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 126
         0.65277778 4.143389e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 127
         0.15277778 3.445065e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 128
         0.66666667 8.472998e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 129
         0.52777778 5.027933e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 130
         0.90277778 4.003724e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 131
         0.02777778 9.729981e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 132
         0.4444444 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
                                                                          0
                                                                                0
## 134
         0.58333333 1.769088e-03 8.256304e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.23611111 1.210428e-03 1.580848e-03
## 135
                                                  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
         0.97222222 3.445065e-03 3.603504e-03
## 138
                                                  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
## 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
                                                                                0
                                                                     1
                                                                          0
         0.72222222 2.607076e-03 2.637047e-03
## 144
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 145
         0.61111111 6.517691e-04 2.837242e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 146
         0.94444444 2.374302e-03 1.926011e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.58333333 4.469274e-03 1.525621e-03
## 147
                                                  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
                                                                          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
         0.13888889 2.234637e-03 2.995326e-02
                                                                                0
## 155
                                                  NaN 1.00000000
                                                                     1
                                                                          0
## 156
         0.70833333 8.845438e-04 1.491105e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 157
         0.87500000 6.517691e-04 1.056199e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
```

```
## 158
         0.91666667 2.327747e-03 1.357182e-02
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 159
         0.06944444 3.631285e-03 2.837242e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 160
         0.90277778 6.517691e-04 2.112399e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 161
         0.80555556 1.024209e-03 1.187362e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 162
         0.1111111 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
                                                                          0
                                                                                0
         0.63888889 8.845438e-04 2.298787e-03
## 166
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 167
         0.50000000 4.376164e-03 4.728736e-03
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 168
         0.29166667 2.001862e-03 1.118329e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 169
         0.40277778 6.517691e-04 2.229754e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 170
         0.01388889 1.722533e-03 4.293831e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 171
         0.66666667 9.776536e-04 4.355960e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 172
         0.11111111 6.517691e-04 4.162669e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 173
         0.45833333 9.310987e-04 1.049296e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 174
         0.48611111 3.258845e-03 6.696167e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 175
         0.27777778 1.862197e-03 2.685370e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 176
         0.2222222 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
         0.05555556 1.303538e-03 2.678467e-03
## 180
                                                  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
## 183
         0.52777778 1.256983e-03 6.627134e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 184
         0.41666667 1.303538e-03 3.486149e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 185
         0.63888889 1.163873e-03 3.679440e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         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
                                                                          0
                                                                                0
                                                                     1
## 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
                                                                                0
                                                                     1
                                                                          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
## 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
                                                                          1
                                                                     0
                                                                                0
         0.04166667 0.000000e+00 5.674483e-03
## 194
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 195
         0.02777778 1.769088e-03 3.106469e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 196
         0.56944444 6.983240e-04 1.946721e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 197
         0.01388889 1.354749e-02 1.905301e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  198
         0.77777778 9.776536e-04 1.049296e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 199
         0.26388889 2.234637e-03 2.754403e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 200
         0.87500000 5.121043e-04 8.352950e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 201
         0.44444444 1.056797e-02 1.386176e-02
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 202
         0.33333333 9.776536e-04 4.210991e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 203
         0.69444444 5.121043e-04 4.155765e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 204
         0.95833333 1.163873e-03 1.891494e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.95833333 6.191806e-03 2.229754e-03
                                                                                0
## 205
                                                  NaN 1.00000000
                                                                     1
                                                                          0
##
  206
         0.75000000 1.582868e-03 1.339233e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
         0.27777778 7.914339e-04 8.767146e-04
## 207
                                                  NaN 1.00000000
                                                                     1
                                                                                0
```

```
## 208
         0.43055556 0.000000e+00 1.463492e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 209
         0.77777778 1.722533e-03 2.015753e-03
                                                  NaN 0.69565217
                                                                     0
                                                                          0
                                                                                1
## 210
         0.59722222 1.675978e-03 1.960527e-03
                                                  NaN 0.73913043
                                                                     0
                                                                          0
                                                                                1
         0.18055556 6.983240e-04 1.498008e-03
## 211
                                                  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
                                                                                0
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 223
         0.20833333 1.214618e-01 3.658730e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 224
         0.95833333 1.368715e-02 3.382600e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 225
         0.04166667 1.149907e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.37500000 6.238361e-02 9.664570e-05
## 226
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 227
         0.16666667 1.092644e-01 3.175502e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 228
         0.29166667 4.138734e-02 9.802636e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 229
         0.33333333 1.070764e-03 5.384546e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.19444444 1.759777e-02 2.968404e-04
## 230
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 231
         0.08333333 2.918994e-02 5.011770e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 232
         0.13888889 6.983240e-04 5.315514e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 233
         0.61111111 1.606145e-02 1.539428e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 234
         0.90277778 1.727188e-02 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.48611111 7.076350e-02 4.210991e-04
## 235
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 236
         0.37500000 7.900372e-02 5.660677e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 237
         0.19444444 6.056797e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 238
         0.76388889 1.340782e-02 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 239
         0.72222222 4.054935e-02 7.317460e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 240
         0.73611111 1.834264e-02 2.070979e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.69444444 6.610801e-03 6.903265e-05
## 241
                                                  NaN 1.00000000
                                                                          0
                                                                                0
         0.91666667 5.623836e-02 1.235684e-03
##
  242
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  243
         0.69444444 6.517691e-04 6.903265e-05
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          0
         0.37500000 1.159218e-02 2.278077e-04
## 244
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 245
         0.02777778 1.801676e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
         0.94444444 1.862197e-03 6.903265e-05
## 246
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.34722222 9.823091e-03 6.281971e-04
##
  247
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  248
         0.51388889 3.305400e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 249
         0.23611111 2.141527e-03 1.056199e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 250
         0.98611111 4.888268e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 251
         0.58333333 1.261639e-02 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 252
         0.37500000 5.358473e-02 7.041330e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 253
         0.79166667 3.356611e-02 3.520665e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 254
         0.23611111 1.590782e-01 5.660677e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 255
         0.86111111 1.261639e-02 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 256
         0.73611111 6.070764e-02 1.518718e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 257
         0.25000000 4.329609e-02 8.560048e-04
                                                  NaN 1.00000000
                                                                     0
                                                                                0
```

```
## 258
         0.91666667 4.143389e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 259
         0.73611111 1.713222e-02 3.934861e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 260
         0.08333333 1.117318e-02 5.315514e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 261
         0.54166667 0.000000e+00 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 262
         0.63888889 1.097765e-01 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 263
         0.68055556 5.074488e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  264
         0.05555556 2.141527e-02 6.558101e-03
                                                  NaN 1.00000000
                                                                                0
##
                                                                     1
                                                                          0
##
  265
         0.84722222 9.138734e-02 5.936808e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 266
         0.37500000 5.633147e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 267
         0.76388889 2.751397e-02 9.181342e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 268
         0.06944444 8.891993e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
  269
         0.50000000 6.750466e-03 0.000000e+00
##
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
##
  270
         0.47222222 2.458101e-02 4.349057e-04
                                                  NaN 1.00000000
                                                                                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
                                                                                0
                                                                     1
                                                                          0
## 273
         0.62500000 9.869646e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                                0
## 274
         0.52777778 4.003724e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 275
         0.80555556 1.000931e-02 2.001947e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 276
         0.91666667 5.679702e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
         0.06944444 0.000000e+00 6.903265e-06
## 277
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 278
         0.70833333 1.331471e-02 4.901318e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
## 279
         0.13888889 3.351955e-03 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 280
         0.81944444 0.000000e+00 2.070979e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  281
         0.87500000 5.391061e-02 5.729710e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  282
         0.23611111 3.384544e-02 6.489069e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
   283
         0.40277778 1.499069e-02 5.591644e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 284
         0.30555556 1.163873e-03 1.104522e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 285
         0.36111111 1.070764e-03 2.830338e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         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
  288
         0.77777778 2.094972e-02 1.794849e-04
##
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 289
         0.15277778 9.092179e-02 1.076909e-03
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     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
                                                                          1
                                                                                0
                                                                     0
## 294
         0.13888889 2.295158e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 295
         0.05555556 1.075419e-02 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 296
         0.20833333 1.303538e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 297
         0.2222222 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
                                                                          0
                                                                                1
## 300
         0.06944444 1.303538e-03 1.932914e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 301
         0.50000000 1.133147e-01 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 302
         0.27777778 4.152700e-02 7.662624e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 303
         0.31944444 1.550279e-02 5.177448e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 304
         0.41666667 5.307263e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.88888889 1.205773e-02 0.000000e+00
                                                                                1
## 305
                                                  NaN 0.21739130
                                                                     0
                                                                          0
##
  306
         0.65277778 2.113594e-01 3.520665e-04
                                                  NaN 0.91304348
                                                                     0
                                                                          0
                                                                                1
## 307
         0.36111111 4.823091e-02 2.050270e-03
                                                  NaN 1.00000000
                                                                     0
                                                                                1
```

```
## 308
         0.30555556 1.084730e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                               1
                                                                     0
                                                                          0
## 309
         0.11111111 7.700186e-02 2.968404e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 310
         0.08333333 9.357542e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 311
         0.79166667 1.191806e-02 1.380653e-05
                                                  NaN 0.30434783
                                                                     0
                                                                          0
                                                                               1
## 312
         0.01388889 3.133147e-02 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 313
         0.86111111 3.696462e-02 4.901318e-04
                                                  NaN 0.08695652
                                                                     0
                                                                          0
                                                                               1
## 314
         0.44444444 1.415270e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.55555556 1.883147e-01 3.175502e-04
##
  315
                                                  NaN 0.95652174
                                                                     0
                                                                          0
                                                                                1
         0.1111111 4.795158e-02 1.346137e-03
## 316
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 317
         0.43055556 7.448790e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
                                                                               1
                                                                     0
## 318
         0.79166667 0.000000e+00 5.936808e-04
                                                  NaN 0.13043478
                                                                     0
                                                                          0
                                                                               1
         0.0555556 3.864060e-02 7.455526e-04
## 319
                                                  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
## 324
         0.54166667 1.443203e-03 1.380653e-05
                                                  NaN 0.34782609
                                                                     0
                                                                          0
                                                                               0
## 325
         0.30555556 4.655493e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 326
         0.16666667 1.047486e-02 2.623241e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.01388889 1.722533e-03 4.280024e-04
## 327
                                                  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
## 333
         0.54166667 1.870577e-01 6.627134e-04
                                                  NaN 0.00000000
                                                                     0
                                                                          0
                                                                                0
## 334
         0.04166667 1.303538e-02 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.12500000 4.776536e-02 9.181342e-04
## 335
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 336
         0.20833333 1.582868e-03 2.070979e-04
                                                  NaN 0.86956522
                                                                     0
                                                                          0
                                                                               0
## 337
         0.47222222 3.724395e-03 1.794849e-04
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 338
         0.95833333 4.096834e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 339
         0.7222222 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
##
  342
         0.66666667 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
  343
         0.58333333 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          0
         0.12500000 0.000000e+00 0.000000e+00
## 344
                                                  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
         0.43055556 0.000000e+00 6.903265e-06
##
  347
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
##
  348
         0.00000000 7.495345e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 349
         0.12500000 2.653631e-03 9.602441e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 350
         0.23611111 2.094972e-03 1.145942e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 351
         0.27777778 2.327747e-03 1.567041e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 352
         0.83333333 3.212291e-03 2.485175e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 353
         0.41666667 2.420857e-03 6.005840e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 354
         0.25000000 1.536313e-03 1.898398e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
                                                                               0
## 355
         1.00000000 2.374302e-03 1.567041e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
## 356
         0.34722222 2.374302e-03 5.177448e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 357
         0.00000000 2.700186e-03 1.636074e-03
                                                  NaN 1.00000000
                                                                     1
                                                                               0
```

```
## 358
         0.90277778 2.234637e-03 2.519692e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 359
         0.72222222 2.839851e-03 1.401363e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 360
         0.36111111 9.776536e-04 4.107442e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.97222222 6.890130e-03 8.905211e-04
## 361
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 362
         0.87500000 1.699255e-02 4.141959e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 363
         0.15277778 7.216015e-03 1.953624e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  364
         0.27777778 2.583799e-02 2.574918e-03
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          0
##
  365
         0.5555556 1.955307e-03 1.035490e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  366
         0.59722222 9.869646e-03 7.904238e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 367
         0.31944444 1.862197e-03 5.798742e-04
                                                  NaN 1.00000000
                                                                          0
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                                                                     0
## 368
         0.54166667 8.566108e-03 2.830338e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 369
         0.48611111 6.098696e-03 1.221878e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  370
         0.69444444 1.675978e-03 1.277104e-03
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 371
         0.19444444 1.820298e-02 4.418089e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 372
         0.81944444 1.396648e-03 6.558101e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
##
  373
         0.76388889 3.910615e-03 8.007787e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 374
         0.81944444 1.452514e-02 6.219841e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 375
         0.33333333 1.638734e-02 6.972297e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     1
                                                                          0
         0.58333333 1.620112e-02 2.692273e-04
## 376
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 377
         0.6111111 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
                                                                     0
                                                                          1
## 379
         0.08333333 9.404097e-03 2.623241e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 380
         0.54166667 1.391993e-02 4.141959e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
##
  381
         0.73611111 1.364060e-02 5.729710e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
##
  382
         0.76388889 1.070764e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  383
         0.27777778 1.527002e-02 1.725816e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 384
         0.19444444 2.099628e-02 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.68055556 1.070764e-03 1.173555e-04
## 385
                                                  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
  392
         0.5555556 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
         0.56944444 9.059590e-02 9.664570e-05
## 394
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 395
         0.72222222 9.059590e-02 2.623241e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 396
         0.58333333 1.275605e-02 1.249491e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 397
         0.18055556 9.869646e-03 1.180458e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  398
         0.98611111 4.422719e-03 6.019647e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 399
         0.48611111 9.958101e-02 1.000973e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 400
         0.61111111 7.448790e-04 9.409150e-03
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 401
         0.50000000 8.985102e-03 1.145942e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 402
         0.69444444 2.467412e-03 3.506858e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.02777778 6.890130e-03 7.110362e-04
## 403
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 404
         0.62500000 1.256983e-02 6.972297e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.44444444 3.850093e-02 1.960527e-03
                                                                                0
## 405
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 406
         0.43055556 2.378957e-02 3.589698e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.38888889 9.310987e-03 8.698113e-04
## 407
                                                  NaN 1.00000000
                                                                     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
                                                                          0
                                                                               0
## 416
         0.69444444 1.163873e-03 7.041330e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 417
         0.47222222 1.997207e-02 6.765199e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 418
         0.93055556 1.396648e-03 4.556155e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 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
                                                                          1
                                                                     0
                                                                               0
## 423
         0.13888889 9.404097e-03 1.656783e-04
                                                  NaN 1.00000000
                                                                     0
                                                                               1
## 424
         0.61111111 0.000000e+00 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 425
         0.61111111 0.000000e+00 2.968404e-04
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 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
## 433
         0.5555556 1.443203e-02 1.642977e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 434
         0.97222222 0.000000e+00 7.041330e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.34722222 2.476723e-02 2.485175e-04
## 435
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 436
         0.01388889 2.039106e-02 9.250375e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 437
         0.09722222 0.000000e+00 4.349057e-04
                                                  NaN 1.00000000
                                                                          0
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## 438
         0.70833333 0.000000e+00 2.561111e-03
                                                  NaN 1.00000000
                                                                     0
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                                                                               0
## 439
         0.44444444 1.820298e-02 5.315514e-04
                                                  NaN 1.00000000
                                                                               0
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                                                                          0
## 440
         0.90277778 1.019553e-02 5.729710e-04
                                                  NaN 1.00000000
                                                                     0
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## 441
         0.54166667 1.750466e-02 3.865828e-04
                                                  NaN 1.00000000
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## 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
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## 444
         0.65277778 1.629423e-03 1.049296e-03
                                                  NaN 1.00000000
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                                                                          0
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## 445
         0.83333333 3.119181e-03 9.802636e-04
                                                  NaN 1.00000000
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## 446
         0.29166667 2.974860e-02 8.145852e-04
                                                  NaN 1.00000000
                                                                     1
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                                                                               0
## 447
         0.83333333 1.722533e-03 1.139039e-03
                                                  NaN 1.00000000
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## 448
         0.05555556 7.821229e-03 6.903265e-06
                                                  NaN 1.00000000
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## 449
         0.95833333 3.296089e-02 3.175502e-04
                                                  NaN 1.00000000
                                                                     0
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                                                                               0
## 450
         0.91666667 5.121043e-04 4.280024e-04
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 451
         0.15277778 9.357542e-03 9.526505e-04
                                                  NaN 1.00000000
                                                                     0
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                                                                               0
## 452
         0.66666667 7.946927e-02 1.560138e-03
                                                  NaN 1.00000000
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## 453
         0.75000000 2.164804e-02 4.832285e-04
                                                  NaN 1.00000000
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                                                                               1
## 454
         0.59722222 8.147114e-03 4.487122e-04
                                                  NaN 1.00000000
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                                                                               1
         0.80555556 0.000000e+00 6.281971e-04
## 455
                                                  NaN 1.00000000
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## 456
         0.27777778 7.900372e-02 1.663687e-03
                                                  NaN 1.00000000
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                                                                          0
                                                                               0
## 457
         0.5555556 1.303538e-03 2.271174e-03
                                                  NaN 1.00000000
                                                                     0
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```

```
## 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
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                                                                                0
## 460
         0.20833333 0.000000e+00 5.315514e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 461
         0.84722222 1.703911e-02 3.727763e-04
                                                  NaN 1.00000000
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## 462
         0.16666667 1.117318e-03 4.970350e-04
                                                  NaN 1.00000000
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## 463
         0.01388889 1.820298e-02 2.830338e-04
                                                  NaN 1.00000000
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## 464
         0.41666667 7.448790e-03 6.074873e-04
                                                  NaN 1.00000000
                                                                                0
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                                                                          0
## 465
         0.81944444 1.028864e-02 1.014780e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.91666667 1.317505e-02 1.725816e-04
## 466
                                                  NaN 1.00000000
                                                                     0
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## 467
         0.40277778 6.378026e-03 2.347110e-04
                                                  NaN 1.00000000
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## 468
         0.1111111 1.103352e-02 2.278077e-04
                                                  NaN 1.00000000
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## 469
         0.09722222 7.262570e-03 3.106469e-04
                                                  NaN 1.00000000
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## 470
         0.34722222 2.183426e-02 1.518718e-03
                                                  NaN 1.00000000
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## 471
         0.15277778 1.191806e-02 9.595538e-04
                                                  NaN 1.00000000
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## 472
         0.83333333 3.817505e-03 1.898398e-03
                                                  NaN 1.00000000
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## 473
         0.30555556 2.453445e-02 2.692273e-04
                                                  NaN 1.00000000
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## 474
         0.69444444 1.540968e-02 9.802636e-04
                                                  NaN 1.00000000
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## 475
         0.43055556 4.329609e-03 4.280024e-04
                                                  NaN 1.00000000
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## 476
         0.31944444 2.327747e-03 1.007877e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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         0.34722222 1.894786e-02 1.781042e-03
## 477
                                                  NaN 1.00000000
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## 478
         0.00000000 1.070764e-03 3.175502e-04
                                                  NaN 1.00000000
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## 479
         0.59722222 2.346369e-02 4.901318e-04
                                                  NaN 1.00000000
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         0.34722222 1.717877e-02 6.627134e-04
## 480
                                                  NaN 1.00000000
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## 481
         0.43055556 1.173184e-02 2.070979e-05
                                                  NaN 1.00000000
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## 482
         0.90277778 1.201117e-02 2.416143e-04
                                                  NaN 1.00000000
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## 483
         0.12500000 9.590317e-03 3.631117e-03
                                                  NaN 1.00000000
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## 484
         0.98611111 1.499069e-02 8.974244e-04
                                                  NaN 1.00000000
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## 485
         0.41666667 2.411546e-02 4.687317e-03
                                                  NaN 1.00000000
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         0.33333333 2.476723e-02 1.498008e-03
## 486
                                                  NaN 1.00000000
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## 487
         0.34722222 6.289572e-02 2.409239e-03
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## 488
         0.2222222 1.559590e-02 2.347110e-04
                                                  NaN 1.00000000
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## 489
         0.81944444 9.450652e-03 2.429949e-03
                                                  NaN 1.00000000
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## 490
         0.59722222 2.653631e-03 2.616337e-03
                                                  NaN 1.00000000
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## 491
         0.31944444 3.635940e-02 1.435879e-03
                                                  NaN 1.00000000
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## 492
         0.15277778 3.379888e-02 7.869722e-04
                                                  NaN 1.00000000
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## 493
         0.00000000 2.216015e-02 8.145852e-04
                                                  NaN 1.00000000
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                                                                          0
         0.95833333 1.378026e-02 7.662624e-04
## 494
                                                  NaN 1.00000000
                                                                     0
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## 495
         0.79166667 3.412477e-02 7.317460e-04
                                                  NaN 1.00000000
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                                                                     0
## 496
         0.31944444 1.485102e-02 1.221878e-03
                                                  NaN 1.00000000
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## 497
         0.20833333 4.236499e-03 1.718913e-03
                                                  NaN 1.00000000
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## 498
         0.63888889 1.177840e-02 1.912204e-03
                                                  NaN 1.00000000
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## 499
         0.09722222 1.084730e-02 1.214975e-03
                                                  NaN 1.00000000
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## 500
         0.19444444 1.354749e-02 7.662624e-04
                                                  NaN 1.00000000
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## 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
         0.01388889 1.191806e-02 4.970350e-04
## 503
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 504
         0.54166667 8.240223e-03 7.248428e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
                                                                                0
## 505
         0.65277778 0.000000e+00 1.063103e-03
                                                  NaN 1.00000000
                                                                     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
```

```
0.16666667 2.001862e-03 3.865828e-04
## 508
                                                  NaN 1.00000000
                                                                                0
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                                                                          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
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                                                                                0
## 513
         0.2222222 9.590317e-03 8.421983e-04
                                                  NaN 1.00000000
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## 514
         0.16666667 1.308194e-02 1.014780e-03
                                                  NaN 1.00000000
                                                                                0
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                                                                          1
## 515
         0.76388889 7.621043e-02 4.487122e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.20833333 2.458101e-02 4.901318e-04
## 516
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 517
         0.31944444 9.543762e-03 7.662624e-04
                                                  NaN 1.00000000
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                                                                     0
## 518
         0.58333333 3.026071e-03 3.838215e-03
                                                  NaN 1.00000000
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         0.88888889 1.280261e-02 4.970350e-04
## 519
                                                  NaN 1.00000000
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## 520
         0.3333333 1.945996e-02 4.694220e-04
                                                  NaN 1.00000000
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## 521
         0.80555556 2.188082e-03 1.132135e-03
                                                  NaN 1.00000000
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## 522
         0.29166667 2.388268e-02 2.436852e-03
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                                                  NaN 1.00000000
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## 523
         0.56944444 1.215084e-02 7.041330e-04
                                                  NaN 1.00000000
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## 524
         0.41666667 1.256983e-02 5.522612e-04
                                                  NaN 1.00000000
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## 525
         0.69444444 1.024209e-03 7.524558e-04
                                                  NaN 1.00000000
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## 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
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## 528
         0.2222222 4.189944e-03 6.834232e-04
                                                  NaN 1.00000000
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## 529
         0.50000000 1.582868e-03 2.457562e-03
                                                  NaN 1.00000000
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## 530
         0.54166667 3.119181e-03 2.761306e-04
                                                  NaN 1.00000000
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                                                                                0
## 531
         0.79166667 2.094972e-03 7.524558e-04
                                                  NaN 1.00000000
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                                                                                0
## 532
         0.68055556 1.238361e-02 8.491015e-04
                                                  NaN 1.00000000
                                                                          0
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## 533
         0.54166667 2.188082e-03 4.072926e-04
                                                  NaN 1.00000000
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## 534
         0.50000000 1.108007e-02 5.522612e-04
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## 535
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                                                  NaN 1.00000000
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## 536
         0.52777778 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
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## 537
         0.68055556 0.000000e+00 4.487122e-04
                                                  NaN 1.00000000
                                                                          0
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                                                                     0
## 538
         0.73611111 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 539
         0.90277778 6.890130e-03 2.140012e-03
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## 540
         0.79166667 1.582868e-03 9.595538e-04
                                                  NaN 1.00000000
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## 541
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## 542
         0.12500000 2.001862e-03 5.936808e-04
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## 543
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                                                  NaN 1.00000000
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         0.59722222 1.238361e-02 1.063103e-03
## 544
                                                  NaN 1.00000000
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## 545
         0.77777778 0.000000e+00 5.315514e-04
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## 546
         0.69444444 0.000000e+00 1.318524e-03
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
         0.52777778 8.798883e-03 1.863881e-04
## 547
                                                  NaN 1.00000000
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## 548
         0.29166667 4.841713e-03 3.934861e-04
                                                  NaN 1.00000000
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## 549
         0.30555556 2.234637e-03 2.761306e-04
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 550
         0.40277778 3.584730e-03 1.284007e-03
                                                  NaN 1.00000000
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## 551
         0.20833333 4.376164e-03 4.694220e-04
                                                  NaN 1.00000000
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                                                                          1
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## 552
         0.37500000 1.629423e-03 4.418089e-04
                                                  NaN 1.00000000
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                                                                                0
## 553
         0.63888889 1.629423e-03 3.106469e-04
                                                  NaN 1.00000000
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                                                                                0
## 554
         0.08333333 4.469274e-03 5.453579e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
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         0.37500000 2.877095e-02 3.796796e-04
## 555
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 556
         0.48611111 9.823091e-03 8.214885e-04
                                                  NaN 0.82608696
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                                                                                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
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                                                                                0
## 560
         0.44444444 1.005587e-02 2.761306e-05
                                                  NaN 1.00000000
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                                                                                0
         0.50000000 5.540037e-03 6.903265e-05
## 561
                                                  NaN 1.00000000
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## 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
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                                                                          0
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## 564
         0.45833333 4.562384e-03 1.380653e-05
                                                  NaN 1.00000000
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## 565
         0.29166667 5.446927e-03 1.518718e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.51388889 3.491620e-03 0.000000e+00
## 566
                                                  NaN 1.00000000
                                                                     0
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## 567
         0.50000000 3.072626e-03 8.283917e-05
                                                  NaN 1.00000000
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## 568
         0.66666667 7.635009e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
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         0.44444444 3.258845e-03 1.656783e-04
## 569
                                                  NaN 1.00000000
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## 570
         0.69444444 1.163873e-03 0.000000e+00
                                                  NaN 1.00000000
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## 571
         0.04166667 1.536313e-03 0.000000e+00
                                                  NaN 1.00000000
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## 572
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                                                  NaN 1.00000000
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## 573
         0.61111111 4.003724e-03 1.463492e-03
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## 574
         0.06944444 9.636872e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 575
         0.47222222 7.588454e-03 1.035490e-04
                                                  NaN 1.00000000
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                                                                          0
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## 576
         0.58333333 5.865922e-03 7.593591e-05
                                                  NaN 1.00000000
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                                                                                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
         0.48611111 4.422719e-03 1.449686e-04
## 580
                                                  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
## 583
         0.36111111 8.147114e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 584
         0.16666667 2.281192e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 585
         0.58333333 4.748603e-03 2.278077e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         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
## 588
         0.76388889 6.843575e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 589
         0.44444444 5.353818e-03 3.313567e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 590
         0.63888889 5.446927e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.90277778 7.728119e-03 6.903265e-06
## 591
                                                  NaN 1.00000000
                                                                                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
         0.50000000 4.562384e-03 0.000000e+00
## 594
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 595
         0.95833333 2.607076e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                          1
                                                                                0
                                                                     0
## 596
         0.27777778 3.910615e-03 1.256394e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 597
         0.27777778 7.122905e-03 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  598
         0.93055556 5.214153e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 599
         0.66666667 9.590317e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 600
         0.16666667 5.214153e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 601
         0.06944444 8.007449e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 602
         0.93055556 5.633147e-03 2.001947e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.13888889 1.666667e-02 2.761306e-05
## 603
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 604
         0.76388889 7.774674e-03 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
                                                                                0
## 605
         0.5555556 1.247672e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
## 606
         0.01388889 7.448790e-03 5.729710e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.81944444 8.798883e-03 3.451632e-05
## 607
                                                  NaN 1.00000000
                                                                     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
                                                  NaN 1.00000000
## 611
                                                                     0
                                                                          0
                                                                                0
## 612
         0.50000000 7.216015e-03 5.218868e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 613
         0.75000000 7.216015e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 614
         0.02777778 4.096834e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
## 615
         0.97222222 9.497207e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 616
         0.15277778 8.007449e-03 8.076820e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 617
         0.18055556 6.703911e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     0
## 618
         0.41666667 3.677840e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.56944444 3.072626e-03 1.380653e-05
## 619
                                                  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
         0.94444444 8.472998e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
## 622
                                                                     0
                                                                          0
## 623
         0.98611111 3.910615e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 624
         0.38888889 9.543762e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 625
         0.44444444 9.543762e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 626
         0.86111111 7.309125e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 627
         0.6111111 6.936685e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 628
         0.52777778 9.590317e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          1
## 629
         0.36111111 7.681564e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                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
                                                                     0
                                                                          0
                                                                                1
## 632
         0.86111111 5.819367e-03 6.903265e-06
                                                  NaN 0.34782609
                                                                                1
## 633
         0.02777778 6.564246e-03 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 634
         0.45833333 6.564246e-03 8.283917e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                1
                                                                     0
## 635
         0.88888889 2.700186e-03 0.000000e+00
                                                  NaN 0.08695652
                                                                     0
                                                                          0
                                                                                1
         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
                                                                                1
                                                                     0
                                                                          0
## 640
         0.12500000 4.143389e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
         0.38888889 1.769088e-03 6.903265e-06
## 641
                                                  NaN 1.00000000
                                                                                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
                                                                                1
                                                                     0
                                                                          0
                                                  NaN 0.34782609
         0.77777778 2.607076e-03 0.000000e+00
## 644
                                                                     0
                                                                          0
                                                                                1
## 645
         0.70833333 2.420857e-03 6.903265e-06
                                                  NaN 0.52173913
                                                                          0
                                                                                1
                                                                     0
         0.30555556 2.746741e-03 2.070979e-05
## 646
                                                  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
                                                                          0
                                                                                1
                                                  NaN 1.00000000
## 650
         0.44444444 2.700186e-03 6.903265e-06
                                                                     0
                                                                          0
                                                                                1
         0.69444444 6.750466e-03 1.173555e-04
                                                  NaN 0.52173913
## 651
                                                                     0
                                                                          0
                                                                                1
## 652
         0.73611111 6.517691e-03 2.347110e-04
                                                  NaN 0.04347826
                                                                     0
                                                                          0
                                                                                0
## 653
         0.5555556 7.402235e-03 6.903265e-06
                                                  NaN 0.17391304
                                                                     0
                                                                          0
                                                                                0
## 654
         0.01388889 3.817505e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.41666667 5.121043e-03 9.664570e-05
## 655
                                                  NaN 0.47826087
                                                                     0
                                                                          0
                                                                                0
## 656
         0.45833333 7.169460e-03 9.250375e-04
                                                  NaN 0.34782609
                                                                     0
                                                                          0
                                                                                0
## 657
         0.05555556 3.910615e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
```

```
## 658
         0.54166667 1.582868e-03 0.000000e+00
                                                  NaN 0.00000000
                                                                                0
                                                                     0
                                                                          0
         0.54166667 2.467412e-03 0.000000e+00
## 659
                                                  NaN 0.00000000
                                                                     0
                                                                          0
                                                                                0
## 660
         0.2222222 2.653631e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 661
         0.18055556 3.165736e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 662
         0.52777778 4.189944e-03 0.000000e+00
                                                  NaN 0.00000000
                                                                     0
                                                                          0
                                                                                0
## 663
         0.86111111 1.089385e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 664
         0.83333333 0.000000e+00 9.664570e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
##
   665
         0.70833333 8.845438e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.51388889 6.936685e-03 1.380653e-05
##
  666
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 667
         0.43055556 7.681564e-03 1.242588e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 668
         0.94444444 1.103352e-02 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.04166667 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
## 669
                                                                     1
                                                                          0
                                                                                0
         0.40277778 6.191806e-03 0.000000e+00
##
  670
                                                  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
         0.55555556 7.774674e-03 6.351003e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 675
         0.00000000 2.392924e-02 3.934861e-04
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
## 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
                                                                     0
                                                                          1
## 679
         0.41666667 4.608939e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.79166667 1.303538e-03 0.000000e+00
## 680
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 681
         0.54166667 3.491620e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
                                                                                0
##
  682
         0.20833333 7.309125e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
##
  683
         0.00000000 7.541899e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  684
         0.6111111 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
         0.73611111 1.582868e-03 0.000000e+00
## 691
                                                  NaN 1.00000000
                                                                          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
         0.86111111 1.215084e-02 2.070979e-05
## 694
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 695
         0.97222222 1.215084e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.97222222 1.955307e-03 2.070979e-05
## 696
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
  697
         0.20833333 2.374302e-03 0.000000e+00
##
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  698
         0.08333333 5.586592e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 699
         0.19444444 2.500000e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
##
  700
         0.81944444 3.351955e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  701
         0.62500000 8.379888e-04 6.903265e-06
                                                                                0
##
                                                  NaN 1.00000000
                                                                     0
                                                                          0
  702
         0.15277778 1.769088e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
##
                                                                     1
                                                                          0
## 703
         0.26388889 1.163873e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
##
  704
         0.87500000 0.0000000e+00 1.311620e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.50000000 5.586592e-03 6.903265e-06
                                                                                0
##
  705
                                                  NaN 1.00000000
                                                                     0
                                                                          0
##
  706
         0.83333333 4.422719e-03 1.587751e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.20833333 4.655493e-03 6.903265e-05
## 707
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
```

```
## 708
         0.62500000 8.705773e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                                1
                                                                     0
                                                                          0
  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
         0.29166667 5.772812e-03 7.593591e-05
## 711
                                                  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
                                                                           1
                                                                                0
                                                                     0
## 718
         0.51388889 2.653631e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
## 719
         0.88888889 3.770950e-03 6.903265e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
##
  720
         0.15277778 2.560521e-03 9.664570e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                           0
## 721
         0.20833333 3.724395e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
  722
         0.84722222 3.584730e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                                0
##
                                                                     0
                                                                          1
##
  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
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## 725
         0.36111111 5.027933e-03 1.104522e-04
                                                  NaN 1.00000000
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## 726
         0.58333333 5.353818e-03 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
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## 727
         0.04166667 5.726257e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                           0
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## 728
         0.19444444 6.378026e-03 6.903265e-05
                                                  NaN 1.00000000
                                                                                1
                                                                     0
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##
  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
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                                                                                0
##
  731
         0.54166667 2.513966e-03 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
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##
  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
         0.54166667 4.189944e-03 1.380653e-05
## 735
                                                  NaN 1.00000000
                                                                     0
                                                                           1
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## 736
         0.94444444 8.659218e-03 1.449686e-04
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                0
## 737
         0.86111111 6.284916e-03 1.380653e-05
                                                  NaN 1.00000000
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                                                                     0
  738
         0.51388889 3.770950e-03 7.593591e-05
##
                                                  NaN 1.00000000
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  739
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                                                  NaN 1.00000000
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##
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##
  740
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                                                  NaN 1.00000000
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##
  741
         0.56944444 9.823091e-03 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
##
  742
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                                                  NaN 1.00000000
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                                                                           0
                                                                                1
  743
         0.81944444 1.061453e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                           1
##
                                                                     0
                                                                                0
         0.02777778 5.260708e-03 8.283917e-05
## 744
                                                  NaN 1.00000000
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  745
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##
## 746
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  747
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##
                                                  NaN 1.00000000
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##
  748
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                                                  NaN 1.00000000
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## 749
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## 750
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## 751
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## 752
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                                                  NaN 1.00000000
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## 753
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                                                  NaN 1.00000000
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## 754
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                                                  NaN 1.00000000
                                                                     0
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         0.1111111 1.005587e-02 0.000000e+00
                                                                                0
## 755
                                                  NaN 1.00000000
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##
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## 757
         0.65277778 6.284916e-03 0.000000e+00
                                                  NaN 1.00000000
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```

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## 758
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##
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                                                  NaN 1.00000000
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##
  760
         0.66666667 1.131285e-02 6.903265e-06
                                                  NaN 1.00000000
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                                                                           0
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  761
         0.45833333 1.131285e-02 0.000000e+00
                                                  NaN 1.00000000
##
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                                                                           0
                                                                                0
## 762
         0.15277778 1.191806e-02 0.000000e+00
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## 763
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                                                  NaN 1.00000000
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  764
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                                                  NaN 1.00000000
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##
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##
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  766
##
         0.51388889 4.702048e-03 2.153819e-03
                                                  NaN 1.00000000
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  767
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##
##
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##
                                                  NaN 1.00000000
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##
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                                                  NaN 1.00000000
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##
  771
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                                                  NaN 1.00000000
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                                                  NaN 1.00000000
                                                                                0
##
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##
  773
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                                                                     1
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##
  774
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## 775
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                                                  NaN 1.00000000
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##
  776
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##
  777
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##
  779
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                                                  NaN 1.00000000
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## 780
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##
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##
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                                                  NaN 1.00000000
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##
   783
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  784
##
         0.26388889 5.586592e-04 1.021683e-02
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         0.04166667 2.188082e-03 2.416143e-04
## 785
                                                  NaN 1.00000000
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  786
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##
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##
  787
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  788
         0.63888889 2.513966e-03 1.380653e-04
##
                                                  NaN 1.00000000
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  789
         0.54166667 5.121043e-04 1.863881e-04
                                                  NaN 1.00000000
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##
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##
  790
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                                                  NaN 1.00000000
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##
  791
         0.30555556 2.094972e-03 2.416143e-04
                                                  NaN 1.00000000
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                                                                           0
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##
         0.27777778 8.519553e-03 8.283917e-05
                                                  NaN 1.00000000
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  793
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                                                  NaN 1.00000000
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                                                                                0
##
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## 794
         0.29166667 5.586592e-04 2.070979e-05
                                                  NaN 1.00000000
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##
  795
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## 796
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                                                  NaN 1.00000000
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  797
         0.2222222 1.117318e-03 1.311620e-04
##
                                                  NaN 1.00000000
                                                                     0
                                                                           0
                                                                                1
##
  798
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                                                  NaN 1.00000000
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                                                                                1
## 799
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                                                  NaN 1.00000000
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## 800
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                                                  NaN 1.00000000
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## 801
         0.90277778 1.443203e-03 2.416143e-04
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 802
         0.97222222 4.189944e-04 1.035490e-04
                                                  NaN 1.00000000
                                                                                0
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                                                                           0
## 803
         0.84722222 1.163873e-03 2.070979e-04
                                                  NaN 1.00000000
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                                                                                0
## 804
         0.84722222 3.119181e-03 1.449686e-04
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         0.70833333 3.072626e-03 1.587751e-04
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## 805
                                                  NaN 1.00000000
                                                                     0
                                                                           0
## 806
         0.52777778 8.379888e-04 2.554208e-04
                                                  NaN 1.00000000
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                                                                           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
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                                                                     0
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## 809
         0.2222222 3.957169e-03 1.104522e-04
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 810
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## 811
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## 812
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## 814
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## 816
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## 822
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## 823
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## 824
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## 825
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## 826
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## 827
                                                  NaN 1.00000000
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## 828
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## 829
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                                                                               0
         0.77777778 1.908752e-03 1.104522e-04
## 830
                                                  NaN 1.00000000
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## 831
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## 832
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## 833
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## 834
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         0.05555556 2.188082e-03 1.587751e-04
## 835
                                                  NaN 1.00000000
                                                                     0
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## 836
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                                                  NaN 1.00000000
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## 837
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## 838
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## 839
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                                                  NaN 1.00000000
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## 840
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                                                  NaN 1.00000000
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## 841
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## 842
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                                                  NaN 1.00000000
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## 843
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                                                  NaN 1.00000000
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## 844
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                                                  NaN 1.00000000
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## 845
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## 847
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                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
##
  848
         0.02777778 3.724395e-04 2.830338e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 849
         0.66666667 5.726257e-03 6.281971e-04
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## 850
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## 851
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                                                  NaN 1.00000000
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## 852
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                                                  NaN 0.95652174
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## 853
         0.7777778 5.167598e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 854
         0.5555556 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.20833333 0.000000e+00 1.380653e-05
## 855
                                                  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
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                                                                     0
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## 859
         0.44444444 2.420857e-03 0.000000e+00
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                                                                     1
                                                                          0
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## 860
         1.00000000 5.912477e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                          1
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## 861
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                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 862
         0.95833333 2.886406e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
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## 863
         0.33333333 8.147114e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
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## 864
         0.97222222 5.446927e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
                                                                     0
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##
  865
         0.1111111 6.564246e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
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         0.00000000 5.586592e-03 0.000000e+00
## 866
                                                  NaN 1.00000000
                                                                     0
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## 867
         0.18055556 7.635009e-03 0.000000e+00
                                                  NaN 1.00000000
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## 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
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## 870
         0.88888889 5.400372e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
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## 871
         0.04166667 1.629423e-03 0.000000e+00
                                                  NaN 1.00000000
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## 872
         0.12500000 6.238361e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
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## 873
         0.93055556 1.047486e-02 0.000000e+00
                                                  NaN 1.00000000
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## 874
         0.29166667 1.717877e-02 1.311620e-04
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 875
         0.90277778 5.260708e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                                0
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## 876
         0.16666667 6.052142e-03 2.761306e-05
                                                  NaN 1.00000000
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         0.80555556 1.070764e-03 0.000000e+00
## 877
                                                  NaN 1.00000000
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## 878
         0.88888889 1.634078e-02 1.380653e-05
                                                  NaN 1.00000000
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## 879
         0.27777778 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
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## 880
         0.45833333 2.420857e-03 6.903265e-06
                                                  NaN 1.00000000
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## 881
         0.61111111 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 882
         0.08333333 5.121043e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                          0
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## 883
         0.95833333 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 884
         0.08333333 8.147114e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
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## 885
         0.91666667 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
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         0.47222222 1.354749e-02 1.380653e-05
## 886
                                                  NaN 1.00000000
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## 887
         0.83333333 2.886406e-03 6.903265e-06
                                                  NaN 1.00000000
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## 888
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                                                  NaN 1.00000000
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## 889
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## 890
         0.25000000 0.000000e+00 4.832285e-05
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         0.51388889 6.983240e-03 0.000000e+00
## 891
                                                  NaN 1.00000000
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## 892
         0.65277778 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 893
         0.06944444 3.021415e-02 8.283917e-05
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## 894
         0.62500000 1.675978e-03 0.000000e+00
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## 895
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## 896
         0.41666667 6.098696e-03 1.380653e-04
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## 897
         0.34722222 2.197393e-02 1.311620e-04
                                                  NaN 1.00000000
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##
  898
         0.43055556 1.815642e-03 0.000000e+00
                                                  NaN 1.00000000
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## 899
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                                                  NaN 1.00000000
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## 900
         0.12500000 8.472998e-03 0.000000e+00
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## 901
         0.95833333 2.653631e-03 0.000000e+00
                                                  NaN 1.00000000
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## 902
         0.09722222 2.374302e-03 6.903265e-06
                                                  NaN 1.00000000
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## 903
         0.04166667 3.212291e-03 3.451632e-05
                                                  NaN 1.00000000
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## 904
         0.3333333 1.396648e-03 0.000000e+00
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         0.18055556 1.145251e-02 3.865828e-04
## 905
                                                  NaN 1.00000000
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## 906
         0.20833333 5.260708e-03 1.380653e-05
                                                  NaN 1.00000000
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## 907
         0.91666667 1.191806e-02 4.280024e-04
                                                  NaN 1.00000000
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```

```
## 908
         0.77777778 2.979516e-03 6.903265e-06
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## 909
         0.41666667 9.590317e-03 0.000000e+00
                                                  NaN 1.00000000
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## 910
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                                                                                1
## 911
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## 912
         0.81944444 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 913
         0.18055556 1.028864e-02 0.000000e+00
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## 914
         0.00000000 1.438547e-02 5.660677e-04
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## 915
         0.0555556 5.493482e-03 0.000000e+00
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## 916
         0.70833333 1.149907e-02 2.761306e-05
                                                  NaN 1.00000000
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## 917
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## 918
         0.1111111 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 919
         0.34722222 5.121043e-03 0.000000e+00
                                                  NaN 1.00000000
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## 920
         0.29166667 2.793296e-03 2.761306e-05
                                                  NaN 1.00000000
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## 921
         0.90277778 1.070764e-03 6.903265e-06
                                                  NaN 1.00000000
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## 922
         0.4444444 4.608939e-03 1.380653e-05
                                                  NaN 1.00000000
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## 923
         0.41666667 2.467412e-03 6.903265e-06
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## 924
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                                                  NaN 1.00000000
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## 925
         0.50000000 2.094972e-03 1.380653e-05
                                                  NaN 1.00000000
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## 926
         0.95833333 5.912477e-03 6.903265e-06
                                                  NaN 1.00000000
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## 927
         0.62500000 0.000000e+00 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
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## 928
         0.63888889 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
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## 929
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                                                  NaN 1.00000000
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## 930
         0.47222222 4.716015e-02 0.000000e+00
                                                  NaN 1.00000000
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## 931
         0.68055556 1.918063e-02 0.000000e+00
                                                  NaN 1.00000000
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## 932
         0.48611111 2.183426e-02 3.727763e-04
                                                  NaN 1.00000000
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## 933
         0.69444444 1.452514e-02 1.380653e-05
                                                  NaN 1.00000000
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## 934
         1.00000000 6.890130e-03 0.000000e+00
                                                  NaN 1.00000000
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## 935
         0.66666667 2.932961e-03 6.903265e-06
                                                  NaN 1.00000000
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## 936
         0.79166667 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
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## 937
         0.40277778 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
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## 938
         0.51388889 1.205773e-02 8.283917e-05
                                                  NaN 1.00000000
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## 939
         0.63888889 1.066108e-02 2.070979e-05
                                                  NaN 1.00000000
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## 940
         0.05555556 2.881750e-02 0.000000e+00
                                                  NaN 1.00000000
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## 941
         0.31944444 1.554935e-02 8.974244e-05
                                                  NaN 1.00000000
                                                                                1
         0.30555556 8.379888e-03 1.380653e-05
## 942
                                                  NaN 1.00000000
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## 943
         0.93055556 9.776536e-04 1.311620e-04
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.41666667 7.076350e-03 4.141959e-05
## 944
                                                  NaN 1.00000000
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## 945
         0.75000000 9.869646e-03 0.000000e+00
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## 946
         0.16666667 1.114060e-01 0.000000e+00
                                                  NaN 1.00000000
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## 947
         0.02777778 5.623836e-02 6.903265e-06
                                                  NaN 1.00000000
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## 948
         0.06944444 6.005587e-03 6.903265e-06
                                                  NaN 1.00000000
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## 949
         0.62500000 6.517691e-04 0.000000e+00
                                                  NaN 1.00000000
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## 950
         0.45833333 4.143389e-03 6.903265e-06
                                                  NaN 1.00000000
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## 951
         0.01388889 6.843575e-03 0.000000e+00
                                                  NaN 1.00000000
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## 952
         0.00000000 4.050279e-03 0.000000e+00
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## 953
         0.29166667 2.094972e-03 6.903265e-06
                                                  NaN 1.00000000
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## 954
         0.40277778 2.094972e-03 2.001947e-04
                                                  NaN 1.00000000
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## 955
         0.59722222 1.350093e-02 1.173555e-04
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                                                  NaN 1.00000000
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## 956
         0.7777778 4.283054e-03 6.903265e-06
                                                  NaN 1.00000000
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## 957
         0.70833333 4.888268e-03 6.903265e-06
                                                  NaN 1.00000000
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```

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## 958
         0.50000000 3.165736e-03 0.000000e+00
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## 959
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## 960
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## 961
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                                                  NaN 1.00000000
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                                                                          0
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## 962
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                                                  NaN 1.00000000
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## 963
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## 964
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## 965
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## 966
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## 967
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## 968
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         0.41666667 3.337989e-02 0.000000e+00
## 969
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## 970
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## 971
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## 972
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## 973
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## 974
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## 975
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## 976
                                                  NaN 1.00000000
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## 977
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## 978
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## 979
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## 980
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## 982
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## 983
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## 984
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         0.40277778 2.756052e-02 6.903265e-05
## 985
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## 986
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## 987
         0.65277778 2.467412e-03 6.420036e-04
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## 988
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## 989
         0.97222222 5.074488e-03 3.796796e-04
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## 990
         0.40277778 6.471136e-03 3.451632e-04
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                                                                               1
## 991
         0.68055556 8.379888e-04 4.210991e-04
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## 992
         0.54166667 7.169460e-03 7.317460e-04
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## 993
         0.69444444 5.540037e-03 1.311620e-04
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## 994
         0.2222222 4.189944e-03 8.214885e-04
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## 995
         0.16666667 9.217877e-03 4.694220e-04
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## 996
         0.70833333 9.264432e-03 2.001947e-04
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## 997
         0.73611111 6.517691e-03 1.587751e-04
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## 998
         0.18055556 8.472998e-03 3.451632e-04
                                                  NaN 1.00000000
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## 999
         0.86111111 8.193669e-03 2.989114e-03
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## 1000
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## 1001
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## 1002
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## 1003
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## 1004
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## 1005
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##
  1006
         0.66666667 1.121974e-02 1.587751e-04
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                                                                     0
                                                                          1
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         0.43055556 7.635009e-03 8.905211e-04
## 1007
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
```

```
## 1008
         1.00000000 6.750466e-03 2.278077e-04
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## 1009
         0.52777778 3.026071e-03 3.865828e-04
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## 1010
         0.83333333 5.633147e-03 3.175502e-04
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         0.69444444 7.169460e-03 2.692273e-04
## 1011
                                                  NaN 1.00000000
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## 1012
         0.73611111 9.497207e-03 3.796796e-04
                                                  NaN 1.00000000
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## 1013
         0.61111111 5.353818e-03 1.863881e-04
                                                  NaN 1.00000000
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## 1014
         0.73611111 7.728119e-03 1.242588e-04
                                                  NaN 1.00000000
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## 1015
         0.50000000 6.517691e-03 2.278077e-04
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## 1016
         0.50000000 6.331471e-03 3.313567e-04
                                                  NaN 1.00000000
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## 1017
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                                                  NaN 1.00000000
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## 1018
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                                                  NaN 1.00000000
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## 1019
         0.51388889 4.702048e-03 3.106469e-04
                                                  NaN 1.00000000
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## 1020
         0.08333333 4.981378e-03 1.863881e-04
                                                  NaN 1.00000000
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## 1021
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                                                  NaN 1.00000000
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## 1022
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                                                  NaN 1.00000000
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## 1023
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                                                  NaN 1.00000000
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## 1024
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                                                  NaN 1.00000000
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## 1025
         0.5555556 7.914339e-03 5.729710e-04
                                                  NaN 1.00000000
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## 1026
         0.18055556 7.122905e-03 4.832285e-04
                                                  NaN 1.00000000
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## 1027
         0.83333333 2.234637e-03 1.311620e-04
                                                  NaN 1.00000000
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## 1028
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                                                  NaN 1.00000000
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## 1029
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## 1030
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## 1031
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## 1032
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## 1033
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## 1034
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## 1035
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## 1036
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                                                  NaN 1.00000000
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## 1037
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## 1038
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                                                  NaN 1.00000000
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## 1039
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                                                  NaN 1.00000000
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## 1040
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## 1041
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## 1042
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## 1043
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         0.47222222 1.089385e-02 1.380653e-04
## 1044
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## 1046
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## 1047
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## 1049
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## 1052
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## 1054
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## 1055
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## 1056
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## 1057
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## 1058
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## 1059
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## 1060
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## 1061
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## 1062
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## 1063
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                                                  NaN 1.00000000
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## 1064
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## 1065
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## 1066
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## 1067
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## 1068
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## 1069
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## 1070
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## 1078
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## 1079
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## 1081
         0.3333333 1.019553e-02 3.244534e-04
                                                  NaN 1.00000000
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## 1082
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## 1083
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## 1084
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## 1085
         0.58333333 7.309125e-03 2.001947e-04
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## 1086
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## 1087
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## 1089
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## 1090
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## 1091
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## 1092
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## 1093
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         0.47222222 9.916201e-03 7.386493e-04
## 1094
                                                  NaN 1.00000000
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## 1095
         0.37500000 7.169460e-03 2.899371e-04
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## 1096
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## 1097
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## 1098
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## 1099
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## 1100
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## 1101
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## 1102
         0.29166667 9.031657e-03 3.796796e-04
                                                  NaN 1.00000000
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## 1103
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## 1104
         0.09722222 5.121043e-04 5.798742e-04
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## 1105
         0.66666667 6.517691e-04 0.000000e+00
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## 1106
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## 1107
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```

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## 1108
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## 1109
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## 1110
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                                                  NaN 1.00000000
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         0.70833333 1.163873e-03 8.283917e-05
## 1111
                                                  NaN 1.00000000
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## 1112
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## 1113
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## 1114
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## 1115
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## 1116
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## 1117
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## 1118
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## 1119
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## 1120
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## 1121
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         0.88888889 3.724395e-04 2.388530e-03
## 1122
                                                  NaN 1.00000000
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## 1123
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                                                  NaN 1.00000000
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## 1124
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                                                  NaN 1.00000000
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         0.01388889 2.234637e-03 2.070979e-05
## 1125
                                                  NaN 1.00000000
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## 1126
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## 1127
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## 1129
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## 1132
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## 1133
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## 1134
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## 1136
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## 1137
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## 1138
         0.29166667 5.121043e-04 6.903265e-06
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## 1139
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## 1140
         0.41666667 3.119181e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1141
         0.62500000 2.513966e-03 5.108416e-04
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## 1142
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## 1143
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## 1144
         0.38888889 2.001862e-03 0.000000e+00
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## 1145
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## 1146
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         0.36111111 3.538175e-03 1.518718e-03
## 1147
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## 1148
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## 1149
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## 1150
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## 1151
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                                                                          0
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## 1152
         0.65277778 2.001862e-03 1.857668e-02
                                                  NaN 1.00000000
                                                                     0
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         0.38888889 3.258845e-04 1.284007e-03
## 1153
                                                  NaN 1.00000000
                                                                     0
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## 1154
         0.40277778 4.702048e-03 3.244534e-04
                                                  NaN 1.00000000
                                                                     0
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## 1155
         0.98611111 3.258845e-04 1.656783e-04
                                                  NaN 1.00000000
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                                                                          0
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## 1156
         0.20833333 1.024209e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
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                                                                               0
         0.26388889 3.351955e-03 1.504912e-03
                                                 NaN 1.00000000
                                                                               0
```

```
## 1158
         0.81944444 1.070764e-03 7.800689e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1159
         0.02777778 3.119181e-03 4.280024e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1160
         0.5555556 3.119181e-03 1.304717e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
         0.97222222 3.584730e-03 4.003893e-04
## 1161
                                                  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
                                                                               0
                                                                     1
                                                                          0
## 1165
         0.38888889 6.471136e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1166
         0.81944444 3.491620e-03 8.421983e-04
                                                  NaN 1.00000000
                                                                                0
## 1167
         0.09722222 1.629423e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                          0
                                                                                0
                                                                     1
## 1168
         1.00000000 8.379888e-04 2.554208e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
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## 1169
         0.81944444 2.653631e-03 6.420036e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1170
         0.90277778 2.560521e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                               0
                                                                     1
                                                                          0
## 1171
         0.47222222 7.914339e-04 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
         0.33333333 4.981378e-03 3.451632e-05
## 1172
                                                  NaN 1.00000000
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## 1173
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## 1174
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                                                  NaN 1.00000000
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## 1175
         0.87500000 2.420857e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1176
         0.50000000 3.305400e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1177
         0.18055556 3.351955e-03 6.903265e-05
                                                  NaN 1.00000000
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## 1178
         0.84722222 3.538175e-03 4.418089e-04
                                                  NaN 1.00000000
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## 1179
         0.69444444 3.538175e-03 1.435879e-03
                                                  NaN 1.00000000
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## 1180
         0.58333333 2.374302e-03 1.208071e-03
                                                  NaN 1.00000000
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## 1181
         0.45833333 2.932961e-03 1.339233e-03
                                                  NaN 1.00000000
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## 1182
         0.58333333 4.096834e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1183
         0.91666667 3.258845e-03 2.899371e-04
                                                  NaN 1.00000000
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## 1184
         0.23611111 2.467412e-03 1.346137e-03
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## 1185
         0.23611111 0.000000e+00 0.000000e+00
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## 1186
         0.13888889 2.560521e-03 6.420036e-04
                                                  NaN 1.00000000
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## 1187
         0.13888889 2.513966e-03 2.070979e-05
                                                  NaN 1.00000000
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## 1188
         0.01388889 3.584730e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1189
         0.51388889 1.955307e-03 2.416143e-04
                                                  NaN 1.00000000
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## 1190
         0.30555556 1.443203e-03 5.626161e-03
                                                  NaN 1.00000000
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## 1191
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## 1192
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                                                  NaN 1.00000000
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## 1193
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         0.36111111 2.560521e-03 7.593591e-05
## 1194
                                                  NaN 1.00000000
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## 1195
         0.90277778 8.612663e-03 2.692273e-04
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## 1196
         0.76388889 3.910615e-03 8.974244e-04
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         0.76388889 4.050279e-03 2.664660e-03
## 1197
                                                  NaN 1.00000000
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## 1198
         0.77777778 2.560521e-03 6.972297e-04
                                                  NaN 1.00000000
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## 1199
         0.16666667 1.536313e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1200
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## 1201
         0.09722222 2.420857e-03 1.139039e-03
                                                  NaN 1.00000000
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## 1202
         0.36111111 4.189944e-03 4.280024e-04
                                                  NaN 1.00000000
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## 1203
         0.45833333 7.448790e-04 6.903265e-06
                                                  NaN 1.00000000
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## 1204
         0.16666667 4.655493e-04 1.007877e-03
                                                  NaN 1.00000000
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## 1205
         0.98611111 5.214153e-03 5.315514e-04
                                                  NaN 1.00000000
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## 1206
         0.98611111 4.143389e-03 7.317460e-04
                                                  NaN 1.00000000
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                                                                                0
## 1207
         0.63888889 2.746741e-03 2.975307e-03
                                                 NaN 1.00000000
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```

```
## 1208
         0.19444444 1.955307e-03 9.664570e-05
                                                  NaN 1.00000000
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                                                                          0
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## 1209
         0.79166667 4.608939e-03 1.739623e-03
                                                  NaN 1.00000000
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## 1210
         0.91666667 3.864060e-03 6.558101e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
         0.06944444 5.121043e-03 2.215948e-03
## 1211
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     1
## 1212
         0.95833333 2.932961e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1213
         0.33333333 2.420857e-03 2.416143e-04
                                                  NaN 1.00000000
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## 1214
         0.31944444 4.655493e-04 1.380653e-05
                                                  NaN 1.00000000
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## 1215
         0.83333333 7.448790e-04 9.595538e-04
                                                  NaN 1.00000000
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## 1216
         0.73611111 2.607076e-03 7.731656e-04
                                                  NaN 1.00000000
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## 1217
         0.72222222 3.445065e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1218
         0.80555556 2.886406e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1219
         0.56944444 3.631285e-03 4.694220e-04
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## 1220
         0.20833333 2.932961e-03 2.899371e-04
                                                  NaN 1.00000000
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                                                                          1
## 1221
         0.52777778 2.281192e-03 7.110362e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
         0.36111111 5.121043e-04 0.000000e+00
## 1222
                                                  NaN 1.00000000
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## 1223
         0.66666667 4.655493e-03 1.070006e-03
                                                  NaN 1.00000000
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                                                                          0
## 1224
         0.29166667 1.443203e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.98611111 2.793296e-03 8.283917e-05
## 1225
                                                  NaN 1.00000000
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## 1226
         0.19444444 4.189944e-03 1.829365e-03
                                                  NaN 1.00000000
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                                                                               1
## 1227
         0.25000000 1.973929e-02 7.524558e-04
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## 1228
         0.27777778 3.770950e-03 1.380653e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 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
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## 1231
         0.06944444 1.722533e-03 1.007877e-03
                                                  NaN 1.00000000
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## 1232
         0.84722222 2.467412e-03 2.381626e-03
                                                  NaN 1.00000000
                                                                               0
## 1233
         0.66666667 1.005587e-02 1.808655e-03
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## 1234
         0.47222222 1.396648e-03 0.000000e+00
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## 1235
         0.5555556 2.467412e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1236
         0.41666667 3.864060e-03 1.242588e-04
                                                  NaN 1.00000000
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## 1237
         0.20833333 6.098696e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1238
         0.2222222 6.890130e-03 1.449686e-04
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## 1239
         0.20833333 2.839851e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1240
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## 1241
         0.4444444 3.864060e-03 9.112309e-04
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## 1242
         0.58333333 3.677840e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1243
         0.62500000 2.281192e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1244
         0.97222222 4.003724e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1245
         0.90277778 3.398510e-03 1.035490e-04
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## 1246
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## 1247
         0.79166667 1.117318e-03 6.834232e-04
                                                  NaN 1.00000000
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## 1248
         0.70833333 1.769088e-03 2.070979e-04
                                                  NaN 1.00000000
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## 1249
         0.63888889 1.117318e-03 1.214975e-03
                                                  NaN 1.00000000
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## 1250
         0.01388889 5.586592e-04 3.292857e-03
                                                  NaN 1.00000000
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## 1251
         0.75000000 2.048417e-03 8.076820e-04
                                                  NaN 1.00000000
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## 1252
         0.45833333 3.258845e-03 1.242588e-04
                                                  NaN 1.00000000
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                                                                          0
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         0.70833333 3.072626e-03 2.181432e-03
## 1253
                                                  NaN 1.00000000
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                                                                               1
## 1254
         0.09722222 1.675978e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1255
         0.97222222 5.772812e-03 6.558101e-04
                                                  NaN 1.00000000
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## 1256
         0.01388889 1.494413e-02 4.418089e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
         0.50000000 2.886406e-03 3.451632e-05
                                                 NaN 1.00000000
                                                                               0
```

```
## 1258
         0.65277778 4.050279e-03 2.899371e-04
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                                                                          0
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## 1259
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## 1260
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## 1261
         0.62500000 2.327747e-04 1.380653e-05
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## 1262
         0.84722222 2.886406e-03 1.449686e-04
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## 1263
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## 1264
                                                  NaN 1.00000000
         0.25000000 2.653631e-03 2.416143e-04
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## 1265
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                                                  NaN 1.00000000
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## 1266
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## 1267
         0.45833333 3.305400e-03 6.627134e-04
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## 1268
         0.58333333 2.839851e-03 2.070979e-05
                                                  NaN 1.00000000
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## 1269
         0.36111111 4.981378e-03 1.863881e-04
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                                                                                0
## 1270
         0.19444444 2.793296e-03 1.339233e-03
                                                  NaN 1.00000000
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## 1271
         0.30555556 2.793296e-03 8.836179e-04
                                                  NaN 1.00000000
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                                                                          0
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         0.38888889 1.908752e-03 6.903265e-06
## 1272
                                                  NaN 1.00000000
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## 1273
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## 1274
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## 1275
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## 1276
         0.38888889 2.793296e-03 6.903265e-06
                                                  NaN 1.00000000
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         0.29166667 2.281192e-03 6.903265e-06
## 1277
                                                  NaN 1.00000000
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## 1278
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## 1279
         0.63888889 2.420857e-03 2.278077e-04
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## 1280
         0.41666667 2.560521e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1281
         0.76388889 3.398510e-03 1.649880e-03
                                                  NaN 1.00000000
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## 1282
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## 1283
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## 1284
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## 1285
         0.76388889 0.000000e+00 0.000000e+00
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                                                                     0
                                                                          0
                                                                               0
## 1286
         0.56944444 1.108007e-02 7.593591e-05
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 1287
         0.98611111 7.867784e-03 1.035490e-04
                                                  NaN 1.00000000
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## 1288
         0.66666667 6.238361e-03 1.035490e-04
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                                                                     0
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                                                                               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
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                                                                          0
                                                                               0
## 1291
         0.79166667 1.457169e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     1
                                                                                0
         0.4444444 2.094972e-02 1.380653e-05
## 1292
                                                  NaN 1.00000000
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## 1293
         0.25000000 2.518622e-02 1.656783e-04
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                                                                                0
         0.08333333 2.886406e-02 2.740596e-03
## 1294
                                                  NaN 1.00000000
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                                                                               1
## 1295
         0.43055556 1.745810e-02 2.070979e-05
                                                  NaN 1.00000000
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                                                                               1
## 1296
         0.13888889 2.039106e-02 1.380653e-05
                                                  NaN 1.00000000
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## 1297
         0.15277778 4.143389e-03 1.449686e-04
                                                  NaN 1.00000000
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## 1298
         0.00000000 8.519553e-03 1.242588e-04
                                                  NaN 1.00000000
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## 1299
         0.69444444 2.984171e-02 5.108416e-04
                                                  NaN 1.00000000
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## 1300
         0.18055556 3.938547e-02 4.210991e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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         0.38888889 3.156425e-02 1.104522e-04
## 1301
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1302
         0.05555556 1.801676e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
                                                                     0
                                                                          0
         0.63888889 0.000000e+00 0.000000e+00
## 1303
                                                 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
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                                                                          0
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## 1306
         0.40277778 1.289572e-02 3.934861e-04
                                                  NaN 1.00000000
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                                                                          0
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## 1307
         0.34722222 1.354749e-02 2.899371e-04
                                                 NaN 1.00000000
                                                                               0
```

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## 1308
         0.47222222 2.108939e-02 1.242588e-04
                                                 NaN 1.00000000
                                                                          1
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## 1309
         0.63888889 1.662011e-02 6.903265e-05
                                                 NaN 1.00000000
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## 1310
         0.30555556 2.951583e-02 6.903265e-05
                                                 NaN 1.00000000
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## 1311
         0.88888889 1.229050e-02 0.000000e+00
                                                 NaN 0.13043478
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## 1312
         0.4444444 8.472998e-03 2.692273e-04
                                                 NaN 1.00000000
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## 1313
         0.25000000 1.410615e-02 2.692273e-04
                                                 NaN 1.00000000
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## 1314
         0.54166667 9.776536e-03 1.380653e-04
                                                 NaN 0.78260870
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## 1315
         0.25000000 2.127561e-02 7.041330e-04
                                                 NaN 1.00000000
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## 1316
         0.1111111 5.027933e-03 3.299760e-03
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## 1317
         0.38888889 2.621043e-02 1.380653e-05
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## 1318
         0.34722222 3.631285e-03 6.005840e-04
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## 1319
         0.2222222 4.096834e-03 1.235684e-03
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## 1320
         0.93055556 2.513966e-03 8.836179e-04
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## 1321
         0.1111111 3.677840e-03 1.311620e-03
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         0.29166667 2.746741e-03 6.558101e-04
## 1322
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## 1323
         0.58333333 3.212291e-03 5.936808e-04
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## 1324
         0.55555556 2.746741e-03 1.173555e-03
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         0.05555556 3.724395e-03 1.180458e-03
## 1325
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## 1326
         0.88888889 2.267225e-02 0.000000e+00
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## 1327
         0.75000000 5.446927e-03 6.765199e-04
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## 1328
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## 1329
         0.2222222 3.770950e-03 3.313567e-04
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## 1330
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## 1331
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## 1332
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## 1333
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## 1334
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## 1335
         0.09722222 2.979516e-03 1.021683e-03
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## 1336
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## 1337
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## 1338
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## 1339
         0.86111111 1.210428e-03 1.380653e-04
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## 1340
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## 1341
         0.00000000 3.910615e-03 8.352950e-04
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## 1342
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## 1343
         0.87500000 6.890130e-03 7.524558e-04
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         0.75000000 3.677840e-03 2.070979e-05
## 1344
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## 1345
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## 1346
         0.81944444 2.653631e-03 1.380653e-05
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## 1347
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## 1348
         0.09722222 3.584730e-03 9.457472e-04
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## 1349
         0.76388889 7.960894e-03 3.175502e-04
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## 1350
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## 1351
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## 1352
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         0.84722222 6.610801e-03 5.729710e-04
## 1353
                                                 NaN 1.00000000
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## 1354
         0.88888889 5.819367e-03 2.485175e-04
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## 1355
         0.12500000 5.819367e-03 3.451632e-04
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## 1356
         0.31944444 6.331471e-03 5.798742e-04
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         0.80555556 1.028864e-02 7.386493e-04
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0.26388889 9.753259e-02 0.000000e+00
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## 1358
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## 1359
         0.31944444 4.096834e-03 0.000000e+00
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## 1360
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## 1361
         0.5555556 8.752328e-03 0.000000e+00
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## 1362
         0.5555556 1.163873e-03 0.000000e+00
                                                 NaN 1.00000000
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## 1363
         0.69444444 5.027933e-03 0.000000e+00
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## 1364
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## 1365
         0.34722222 4.702048e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                               1
## 1366
         0.47222222 7.076350e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                          0
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## 1367
         0.79166667 3.724395e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1368
         0.06944444 6.983240e-04 0.000000e+00
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## 1369
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                                                 NaN 1.00000000
## 1370
         0.80555556 2.420857e-03 0.000000e+00
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## 1371
         0.50000000 2.281192e-03 0.000000e+00
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         0.91666667 4.003724e-03 2.153819e-03
## 1372
                                                  NaN 1.00000000
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## 1373
         0.45833333 3.677840e-03 2.857952e-03
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## 1374
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                                                  NaN 1.00000000
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         0.25000000 5.679702e-03 1.373750e-03
## 1375
                                                  NaN 1.00000000
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## 1376
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                                                  NaN 1.00000000
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## 1377
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## 1378
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## 1379
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## 1380
         0.90277778 0.000000e+00 0.000000e+00
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## 1381
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## 1382
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## 1383
         0.69444444 1.433892e-02 0.000000e+00
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## 1384
         0.37500000 0.000000e+00 0.000000e+00
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## 1385
         0.2222222 6.378026e-03 6.903265e-06
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## 1386
         0.20833333 1.163873e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1387
         0.94444444 6.052142e-04 0.000000e+00
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## 1388
         0.43055556 3.631285e-03 1.242588e-04
                                                  NaN 1.00000000
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                                                                               0
## 1389
         0.20833333 0.000000e+00 6.903265e-06
                                                                               0
                                                  NaN 1.00000000
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## 1390
         0.38888889 4.702048e-03 4.832285e-05
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## 1391
         0.72222222 5.586592e-03 6.903265e-06
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## 1392
         0.43055556 1.229050e-02 2.070979e-05
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## 1393
         0.68055556 2.374302e-03 0.000000e+00
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         0.40277778 1.466480e-02 1.104522e-04
## 1394
                                                  NaN 1.00000000
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## 1395
         0.04166667 1.671322e-02 6.903265e-06
                                                  NaN 1.00000000
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## 1396
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## 1397
         0.70833333 0.000000e+00 0.000000e+00
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## 1398
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## 1399
         0.87500000 0.000000e+00 6.903265e-06
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## 1400
         0.30555556 5.121043e-03 6.903265e-06
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## 1401
         0.62500000 7.216015e-03 0.000000e+00
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## 1402
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## 1403
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## 1404
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## 1405
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##
  1406
         0.87500000 9.227188e-02 0.000000e+00
                                                  NaN 1.00000000
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                                                                               0
## 1407
         0.00000000 3.584730e-03 3.520665e-04
                                                 NaN 1.00000000
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## 1408
         0.2222222 2.001862e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1409
         0.91666667 3.910615e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1410
         0.08333333 0.000000e+00 0.000000e+00
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## 1411
         1.00000000 6.284916e-03 2.761306e-05
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## 1412
         0.27777778 1.163873e-03 5.522612e-05
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## 1413
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## 1414
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## 1415
         0.30555556 2.513966e-03 0.000000e+00
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## 1416
         0.87500000 2.979516e-03 1.380653e-05
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## 1417
         0.50000000 1.014898e-02 1.380653e-05
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## 1419
         0.18055556 2.932961e-03 0.000000e+00
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## 1420
         0.77777778 3.584730e-03 1.380653e-05
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## 1421
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## 1422
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## 1423
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## 1424
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## 1425
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         0.12500000 2.746741e-03 1.380653e-05
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## 1428
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## 1430
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## 1431
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## 1432
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## 1433
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## 1434
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## 1435
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## 1436
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## 1437
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## 1438
         0.34722222 7.774674e-03 1.801752e-03
                                                  NaN 1.00000000
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## 1439
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## 1440
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## 1442
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## 1443
         0.68055556 1.145251e-02 2.416143e-04
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                                                                     0
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         0.58333333 7.774674e-03 5.681387e-03
## 1444
                                                  NaN 1.00000000
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## 1445
         0.63888889 4.795158e-03 1.449686e-04
                                                  NaN 1.00000000
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## 1446
         0.54166667 4.702048e-03 3.437826e-03
                                                  NaN 1.00000000
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## 1447
         0.06944444 7.169460e-03 5.847065e-03
                                                  NaN 1.00000000
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  1448
         0.66666667 7.169460e-03 2.623241e-04
                                                  NaN 1.00000000
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## 1449
         0.48611111 7.262570e-03 5.384546e-04
                                                  NaN 1.00000000
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## 1450
         0.81944444 4.981378e-03 4.038410e-03
                                                  NaN 1.00000000
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## 1451
         0.09722222 5.865922e-03 2.278077e-04
                                                  NaN 1.00000000
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## 1452
         0.61111111 1.545624e-02 1.380653e-03
                                                  NaN 1.00000000
                                                                     0
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         0.15277778 2.839851e-03 4.355960e-03
## 1453
                                                  NaN 1.00000000
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## 1454
         0.75000000 2.094972e-03 7.476236e-03
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## 1455
         0.34722222 4.515829e-03 1.449686e-04
                                                  NaN 1.00000000
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##
  1456
         0.02777778 7.635009e-03 4.487122e-04
                                                  NaN 1.00000000
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                                                                                0
## 1457
         0.41666667 3.677840e-03 2.568705e-02
                                                 NaN 1.00000000
                                                                     0
                                                                          1
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```

```
## 1458
         0.20833333 5.819367e-03 4.970350e-03
                                                  NaN 1.00000000
                                                                               1
                                                                     0
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## 1459
         0.86111111 5.726257e-03 7.427913e-03
                                                  NaN 1.00000000
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## 1460
         0.41666667 8.240223e-03 2.737835e-02
                                                  NaN 1.00000000
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## 1461
         0.00000000 6.424581e-03 1.725816e-03
                                                  NaN 1.00000000
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                                                                     0
## 1462
         0.38888889 9.776536e-03 1.203239e-02
                                                  NaN 1.00000000
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## 1463
         1.00000000 1.503724e-02 1.504912e-03
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## 1464
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## 1465
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## 1466
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## 1467
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## 1468
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## 1469
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## 1470
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                                                  NaN 1.00000000
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## 1471
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## 1472
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## 1473
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## 1474
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                                                  NaN 1.00000000
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## 1475
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## 1476
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## 1477
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         0.72222222 1.005587e-02 6.558101e-04
## 1478
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## 1479
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## 1480
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## 1481
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## 1482
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## 1483
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## 1484
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## 1485
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## 1486
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## 1487
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## 1490
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## 1492
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## 1493
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## 1494
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## 1495
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## 1496
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## 1497
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## 1498
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## 1499
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## 1501
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## 1502
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## 1503
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## 1504
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## 1505
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                                                  NaN 1.00000000
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## 1506
         0.7777778 4.096834e-03 7.179395e-04
                                                  NaN 1.00000000
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## 1507
         0.41666667 8.938547e-03 1.622267e-03
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```

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0.38888889 6.843575e-03 5.246481e-04
                                                  NaN 1.00000000
## 1508
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## 1509
         0.20833333 5.446927e-03 6.696167e-04
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## 1510
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         0.81944444 5.167598e-03 2.043366e-03
## 1511
                                                  NaN 1.00000000
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## 1512
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## 1513
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## 1514
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## 1515
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                                                  NaN 1.00000000
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## 1516
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## 1517
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## 1518
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## 1519
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## 1520
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## 1521
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         0.77777778 6.657356e-03 9.733603e-04
## 1522
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## 1523
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## 1524
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## 1526
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## 1527
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## 1528
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## 1529
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## 1530
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## 1531
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## 1532
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## 1533
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## 1534
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## 1535
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## 1536
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## 1537
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## 1538
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## 1539
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## 1540
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## 1541
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## 1543
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## 1545
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## 1546
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## 1548
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## 1549
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## 1550
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## 1551
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## 1552
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                                                  NaN 1.00000000
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## 1553
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## 1554
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## 1555
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         0.06944444 2.979516e-03 1.215665e-02
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```

```
0.98611111 4.515829e-03 1.194265e-03
                                                  NaN 1.00000000
## 1558
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## 1559
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## 1560
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## 1562
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## 1563
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                                                  NaN 1.00000000
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## 1564
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## 1565
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## 1566
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## 1567
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## 1568
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## 1572
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## 1573
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## 1574
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## 1576
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## 1577
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## 1578
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## 1580
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## 1583
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## 1584
         0.98611111 0.000000e+00 6.903265e-06
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## 1586
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                                                  NaN 1.00000000
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                                                                          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
## 1592
         0.79166667 0.000000e+00 1.173555e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1593
         0.95833333 0.000000e+00 2.761306e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1594
         0.93055556 7.588454e-03 1.622267e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1595
         0.26388889 0.000000e+00 1.083813e-03
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1596
         0.65277778 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1597
         0.59722222 0.000000e+00 1.035490e-04
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
  1598
         0.12500000 0.000000e+00 2.140012e-04
                                                  NaN 1.00000000
                                                                     0
                                                                               1
                                                                          0
## 1599
         0.38888889 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.2222222 0.000000e+00 1.656783e-04
## 1600
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 1601
         0.62500000 0.000000e+00 2.347110e-04
                                                  NaN 1.00000000
                                                                     0
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## 1602
         0.04166667 0.000000e+00 4.418089e-04
                                                  NaN 1.00000000
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## 1603
         0.94444444 0.000000e+00 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
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## 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
```

```
## 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
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                                                                               0
## 1616
         0.51388889 0.000000e+00 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1617
         0.56944444 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                               1
                                                                     0
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## 1618
         0.29166667 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
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## 1619
         0.19444444 0.000000e+00 0.000000e+00
                                                 NaN 1.00000000
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                                                                               1
## 1620
         0.97222222 0.000000e+00 6.903265e-04
                                                  NaN 1.00000000
                                                                               0
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## 1621
         0.20833333 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1622
         0.3333333 0.000000e+00 2.278077e-04
                                                  NaN 1.00000000
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## 1623
         0.19444444 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                               0
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## 1624
         0.30555556 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1625
         0.04166667 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1626
         0.04166667 0.000000e+00 2.140012e-04
                                                  NaN 1.00000000
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## 1627
         0.2222222 1.210428e-02 3.058146e-03
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 1628
         0.73611111 7.402235e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1629
         0.61111111 6.983240e-03 5.743516e-03
                                                  NaN 1.00000000
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## 1630
         0.84722222 0.000000e+00 6.903265e-06
                                                  NaN 1.00000000
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                                                                               1
## 1631
         0.47222222 0.000000e+00 2.761306e-05
                                                  NaN 1.00000000
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## 1632
         0.13888889 0.000000e+00 1.380653e-04
                                                  NaN 1.00000000
                                                                               0
## 1633
         0.84722222 0.000000e+00 1.380653e-05
                                                  NaN 1.00000000
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## 1634
         0.59722222 0.000000e+00 1.932914e-04
                                                  NaN 1.00000000
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## 1635
         0.19444444 0.000000e+00 3.927958e-03
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## 1636
         0.41666667 3.165736e-03 1.104522e-04
                                                  NaN 1.00000000
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## 1637
         0.93055556 1.177840e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                          0
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                                                                     1
## 1638
         0.68055556 8.379888e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
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                                                                               0
## 1639
         0.54166667 7.355680e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
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## 1640
         0.93055556 9.776536e-04 8.283917e-05
                                                  NaN 1.00000000
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                                                                          0
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## 1641
         0.88888889 9.916201e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                               1
## 1642
         0.93055556 8.379888e-04 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
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                                                                               0
## 1643
         0.56944444 1.145251e-02 1.380653e-05
                                                  NaN 1.00000000
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## 1644
         0.58333333 5.307263e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1645
         0.06944444 9.310987e-04 0.000000e+00
                                                  NaN 1.00000000
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## 1646
         0.15277778 1.601490e-02 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
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## 1647
         0.69444444 7.495345e-03 1.380653e-05
                                                  NaN 1.00000000
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  1648
         0.80555556 1.289572e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                     1
                                                                               0
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## 1649
         0.61111111 2.048417e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1650
         0.34722222 4.236499e-03 1.863881e-04
                                                  NaN 1.00000000
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## 1651
         0.29166667 9.357542e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1652
         0.12500000 8.612663e-03 2.070979e-05
                                                  NaN 1.00000000
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## 1653
         0.25000000 9.310987e-04 6.903265e-06
                                                  NaN 1.00000000
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## 1654
         0.2222222 8.705773e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
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## 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
         0.98611111 2.513966e-03 6.903265e-06
                                                 NaN 1.00000000
                                                                               0
```

```
## 1658
         0.87500000 1.084730e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                               0
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## 1659
         0.51388889 1.294227e-02 4.141959e-05
                                                  NaN 1.00000000
                                                                     1
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                                                                                0
## 1660
         0.00000000 2.094972e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.23611111 1.731844e-02 2.761306e-05
## 1661
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1662
         0.63888889 4.655493e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1663
         0.79166667 9.823091e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1664
         0.36111111 1.256983e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1665
         0.62500000 9.590317e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1666
         0.48611111 1.103352e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                                0
## 1667
         0.01388889 7.355680e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                          0
                                                                                0
## 1668
         0.75000000 1.270950e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1669
         0.26388889 1.256983e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1670
         0.43055556 6.936685e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          0
## 1671
         0.88888889 1.303538e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     1
                                                                          0
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## 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
                                                                          1
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## 1674
         0.20833333 9.776536e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1675
         0.94444444 2.374302e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                          0
                                                                                1
## 1676
         0.73611111 1.042831e-02 6.903265e-06
                                                  NaN 1.00000000
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                                                                                0
## 1677
         0.94444444 7.588454e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                          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
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                                                                               0
## 1680
         0.93055556 7.169460e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1681
         0.08333333 7.821229e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                               0
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## 1682
         0.01388889 1.033520e-02 6.903265e-06
                                                  NaN 1.00000000
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## 1683
         0.54166667 1.815642e-03 1.794849e-04
                                                  NaN 1.00000000
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## 1684
         0.37500000 5.726257e-03 1.380653e-05
                                                  NaN 1.00000000
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                                                                                0
## 1685
         0.15277778 7.960894e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1686
         0.88888889 4.795158e-03 3.451632e-05
                                                  NaN 1.00000000
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                                                                          1
                                                                                0
## 1687
         0.7777778 4.655493e-03 0.000000e+00
                                                 NaN 1.00000000
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## 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
## 1692
         0.66666667 1.005587e-02 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1693
         0.05555556 1.536313e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1694
         0.86111111 7.402235e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
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## 1695
         0.15277778 4.562384e-03 6.903265e-05
                                                  NaN 1.00000000
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                                                                               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
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## 1699
         0.23611111 3.957169e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1700
         0.62500000 7.122905e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1701
         0.18055556 1.154562e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1702
         0.95833333 3.631285e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
## 1703
         0.61111111 3.212291e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                          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
```

```
## 1708
         0.77777778 1.066108e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1709
         0.61111111 5.214153e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                                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
                                                                          0
                                                                                0
                                                                     1
## 1712
         0.70833333 1.103352e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1713
         0.2222222 4.003724e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
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                                                                               1
## 1714
         0.63888889 1.056797e-02 6.903265e-06
                                                  NaN 1.00000000
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                                                                               1
## 1715
         0.68055556 7.076350e-03 1.380653e-05
                                                  NaN 1.00000000
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                                                                               0
## 1716
         0.45833333 1.615456e-02 3.451632e-05
                                                  NaN 1.00000000
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                                                                                0
## 1717
         0.75000000 3.305400e-03 6.903265e-06
                                                  NaN 1.00000000
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                                                                          0
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## 1718
         0.18055556 9.683426e-03 2.070979e-05
                                                  NaN 1.00000000
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## 1719
         0.38888889 1.121974e-02 2.070979e-05
                                                  NaN 1.00000000
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## 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
         0.84722222 8.379888e-04 6.903265e-06
## 1722
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1723
         0.62500000 1.103352e-02 4.832285e-05
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## 1724
         0.90277778 9.776536e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                                0
## 1725
         0.88888889 5.586592e-03 2.070979e-05
                                                  NaN 1.00000000
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## 1726
         0.94444444 8.845438e-04 8.283917e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
         0.84722222 1.908752e-03 3.451632e-05
## 1727
                                                  NaN 1.00000000
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                                                                               1
## 1728
         0.3333333 3.026071e-03 1.380653e-05
                                                  NaN 1.00000000
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                                                                               1
## 1729
         0.43055556 3.724395e-03 1.725816e-04
                                                  NaN 1.00000000
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                                                                               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
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                                                                     0
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## 1732
         0.05555556 1.945996e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
## 1733
         0.90277778 3.957169e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1734
         0.76388889 6.983240e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1735
         0.81944444 7.076350e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1736
         0.98611111 8.845438e-04 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1737
         0.41666667 7.914339e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                          0
                                                                               0
                                                                     1
## 1738
         0.65277778 2.001862e-03 1.656783e-04
                                                  NaN 1.00000000
                                                                     1
                                                                          0
                                                                               0
## 1739
         0.80555556 8.240223e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                               0
                                                                     0
                                                                          1
## 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
                                                                          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
                                                                               1
                                                                     0
                                                                          0
         0.69444444 2.234637e-03 1.380653e-05
## 1744
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1745
         0.3333333 5.307263e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                          0
                                                                               0
                                                                     0
## 1746
         0.00000000 1.117318e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1747
         0.25000000 8.659218e-03 0.000000e+00
                                                 NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
  1748
         0.31944444 8.845438e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                               0
                                                                          0
## 1749
         0.00000000 6.983240e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1750
         0.83333333 1.703911e-02 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1751
         0.27777778 6.378026e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                0
## 1752
         0.16666667 9.776536e-04 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
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## 1753
         0.1111111 8.286778e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               0
## 1754
         0.83333333 1.443203e-03 7.593591e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1755
         0.68055556 1.480447e-02 6.903265e-06
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                               0
## 1756
         0.48611111 1.070764e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                               1
         0.68055556 1.056797e-02 1.380653e-05
                                                 NaN 1.00000000
                                                                     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
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## 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
## 1767
         0.13888889 2.048417e-03 2.070979e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1768
         0.19444444 2.839851e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
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## 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
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                                                                          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
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## 1774
         0.84722222 1.862197e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1775
         0.25000000 3.724395e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1776
         0.36111111 3.212291e-03 0.000000e+00
                                                  NaN 1.00000000
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         0.56944444 2.281192e-03 3.451632e-05
## 1777
                                                  NaN 1.00000000
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## 1778
         0.76388889 4.050279e-03 1.380653e-05
                                                  NaN 1.00000000
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## 1779
         0.13888889 8.845438e-04 0.000000e+00
                                                  NaN 1.00000000
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## 1780
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                                                  NaN 1.00000000
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  1781
         0.69444444 1.117318e-03 3.451632e-05
                                                  NaN 1.00000000
                                                                          1
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##
                                                                     0
## 1782
         0.75000000 0.000000e+00 0.000000e+00
                                                  NaN 1.00000000
                                                                          1
                                                                               0
## 1783
         0.62500000 2.932961e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
                                                                                1
## 1784
         0.65277778 3.957169e-03 2.416143e-04
                                                  NaN 1.00000000
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                                                                     0
## 1785
         0.04166667 1.908752e-03 2.070979e-05
                                                  NaN 1.00000000
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                                                                          0
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## 1786
         0.79166667 2.839851e-03 6.903265e-06
                                                  NaN 1.00000000
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## 1787
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                                                  NaN 1.00000000
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## 1788
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                                                  NaN 1.00000000
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## 1789
         0.61111111 8.845438e-04 8.283917e-05
                                                  NaN 1.00000000
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## 1790
         0.27777778 2.560521e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 1791
         0.12500000 2.327747e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                                0
## 1792
         0.15277778 1.070764e-02 1.380653e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
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## 1793
         0.80555556 2.188082e-03 2.761306e-05
                                                  NaN 1.00000000
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                                                                          0
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## 1794
         0.70833333 2.653631e-03 8.974244e-05
                                                  NaN 1.00000000
                                                                     1
                                                                          0
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## 1795
         0.54166667 9.543762e-03 6.903265e-06
                                                  NaN 1.00000000
                                                                                0
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                                                                          1
## 1796
         0.98611111 2.234637e-03 2.761306e-05
                                                  NaN 1.00000000
                                                                     0
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                                                                                0
## 1797
         0.19444444 1.582868e-03 1.380653e-05
                                                  NaN 1.00000000
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                                                                          0
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  1798
         0.20833333 2.327747e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                                1
                                                                          0
## 1799
         0.65277778 3.957169e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          0
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## 1800
         0.08333333 3.305400e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
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## 1801
         0.05555556 3.398510e-03 8.974244e-05
                                                  NaN 1.00000000
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                                                                          0
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## 1802
         0.06944444 3.584730e-03 9.664570e-05
                                                  NaN 1.00000000
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## 1803
         0.2222222 4.888268e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
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## 1804
         0.44444444 7.402235e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                     0
                                                                          1
                                                                                0
## 1805
         0.62500000 3.351955e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
                                                                          1
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##
  1806
         0.20833333 3.677840e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                     0
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## 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
                                                                                1
                                                                      0
                                                                           0
## 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
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## 1816
         0.08333333 1.075419e-02 1.380653e-05
                                                  NaN 1.00000000
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## 1817
         0.51388889 1.010242e-02 2.761306e-05
                                                  NaN 1.00000000
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## 1818
         0.12500000 1.862197e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1819
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                                                  NaN 0.08695652
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                                                                                0
## 1820
         0.47222222 1.722533e-02 1.380653e-05
                                                  NaN 0.21739130
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                                                                           0
## 1821
         0.37500000 1.191806e-02 0.000000e+00
                                                  NaN 1.00000000
                                                                      0
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                                                                                0
## 1822
         0.84722222 4.655493e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                      0
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## 1823
         0.51388889 7.588454e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                      0
                                                                           0
                                                                                0
## 1824
         0.13888889 7.448790e-04 0.000000e+00
                                                  NaN 1.00000000
                                                                      0
                                                                           0
                                                                                1
## 1825
         0.52777778 5.772812e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1826
         0.47222222 7.216015e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                           0
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## 1827
         0.84722222 5.540037e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                           0
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## 1828
         0.7222222 8.798883e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1829
         0.00000000 2.048417e-03 0.000000e+00
                                                  NaN 1.00000000
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## 1830
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                                                  NaN 1.00000000
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## 1831
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                                                  NaN 1.00000000
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## 1832
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                                                  NaN 1.00000000
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## 1833
         0.61111111 9.310987e-04 6.903265e-06
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                                                                      1
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## 1834
         0.40277778 3.445065e-03 0.000000e+00
                                                  NaN 1.00000000
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                                                                                1
                                                                      0
## 1835
         0.90277778 1.950652e-02 0.000000e+00
                                                  NaN 1.00000000
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                                                                           0
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## 1836
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                                                  NaN 1.00000000
                                                                      0
                                                                           0
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## 1837
         0.69444444 7.448790e-03 1.380653e-05
                                                  NaN 1.00000000
                                                                           0
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                                                                      0
## 1838
         0.81944444 5.260708e-03 1.380653e-05
                                                  NaN 1.00000000
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## 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
## 1842
         0.81944444 3.212291e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                      1
                                                                           0
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## 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
                                                                      0
                                                                           1
## 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
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                                                                                0
                                                                           0
  1849
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                                                  NaN 1.00000000
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                                                                           0
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  1850
         0.73611111 1.489758e-03 0.000000e+00
                                                  NaN 1.00000000
                                                                      1
                                                                           0
                                                                                0
         1.00000000 2.420857e-03 6.903265e-06
##
   1851
                                                  NaN 1.00000000
                                                                      0
                                                                           1
                                                                                 0
##
         X1.1 X0.10 X0.11 X0.12 X0.13 X0.14 X0.15 X0.16 X0.17 X0.18 X1.2
## 1
            0
                   1
                         0
                                0
                                      0
                                             0
                                                   0
                                                          0
                                                                0
                                                                       1
                                                                            0
## 2
            0
                   0
                         1
                                0
                                      0
                                             0
                                                   0
                                                          0
                                                                0
                                                                       0
                                                                            1
                         1
                                      0
                                                   0
                                                                            0
## 3
            0
                   0
                                0
                                             1
                                                          0
                                                                0
                                                                       0
## 4
            0
                   0
                         0
                                0
                                      0
                                             0
                                                   0
                                                          1
                                                                0
                                                                       0
                                                                            0
                         0
                                0
                                      0
                                             0
                                                   0
## 5
            0
                   0
                                                          0
                                                                0
                                                                       1
                                                                            0
```

## 6	1	0	0	0	0	0	0	0	0	0	1
## 7	0	1	0	0	0	0	0	0	0	0	1
## 8	0	0	1	0	0	0	0	0	0	0	1
## 9	0	0	1	0	1	0	0	0	0	0	0
## 10	0	0	1	0	1	0	0	0	0	0	0
## 11	0	0	0	0	0	0	0	0	1	0	0
## 12	0	0	0	0	0	0	1	0	0	0	0
## 13	1	0	0	0	0	0	0	0	0	1	0
## 14	0	0	0	0	0	0	1	0	0	0	0
## 15	0	0	0	0	0	0	0	0	1	0	0
## 16	1	0	0	0	0	0	0	0	0	1	0
## 17	1	0	0	0	0	0	0	0	0	1	0
## 18	0	1	0	0	0	0	0	0	0	0	1
## 19	0	0	1	0	0	0	0	0	0	0	1
## 20	0	0	0	0	0	0	0	0	1	0	0
## 21	0	0	0	0	0	0	0	1	0	0	0
## 22	1	0	0	0	0	0	0	0	0	1	0
## 23	1	0	0	0	0	0	0	0	0	0	1
## 24	0	1	0	0	1	0	0	0	0	0	0
## 25	0	1	0	0	1	0	0	0	0	0	0
## 26	0	0	1	0	0	0	0	0	0	0	1
## 27	0	0	0	0	0	0	0	1	0	0	0
## 28	0	0	0	0	0	0	0	1	0	0	0
## 29	0	1	0	0	0	0	0	0	0	1	0
## 30	0	0	1	0	1	0	0	0	0	0	0
## 31	0	0	0	0	0	1	0	0	0	0	0
## 32	0	0	0	0	0	0	1	0	0	0	0
## 33	1	0	0	0	0	0	0	0	0	1	0
## 34	0	1	0	0	0	0	0	0	0	1	0
## 35	0	0	1	0	0	1	0	0	0	0	0
## 36	0	0	0	0	0	0	0	1	0	0	0
## 37	0	0	0	0	0	0	0	0	1	0	0
## 38	0	0	0	0	0	0	0	1	0	0	0
## 39	1	0	0	0	0	0	0	0	1	0	0
## 40	0	1	0	0	0	0	0	0	0	0	1
## 41	0	0	1	0	0	1	0	0	0	0	0
## 42	0	0	1	0	0	0	0	0	0	0	1
## 43	0	0	0	0	0	0	0	1	0	0	0
## 44	0	0	0	0	0	0	1	0	0	0	0
## 45	0	0	0	0	0	0	0	0	1	0	0
## 46	0	0	0	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
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	63	0	0	0	0	0	0	0	1	0	0	0
		-						-				
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	65	0	0	0	0	0	0	0	0	0	1	0
	66	1	0	0	0	0	0	0	0	1	0	0
	67	1	0	0	0	0	0	0	0	0	1	0
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##	71	0	0	1	0	1	0	0	0	0	0	0
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	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
	70 77	1			0	0	0	0		0	0	
			0	0					1			0
	78	0	1	0	0	0	0	0	0	1	0	0
	79	0	1	0	0	1	0	0	0	0	0	0
	80	0	0	1	0	0	1	0	0	0	0	0
	81	0	0	1	0	1	0	0	0	0	0	0
##	82	0	0	0	0	0	0	0	1	0	0	0
##	83	0	0	0	0	0	0	0	1	0	0	0
##	84	0	0	0	0	0	0	0	0	0	1	0
##	85	0	0	0	0	0	0	1	0	0	0	0
##	86	1	0	0	0	0	0	0	0	1	0	0
##	87	1	0	0	0	0	0	0	0	0	1	0
##	88	0	1	0	0	0	0	0	0	0	0	1
##		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
##		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
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	104	0	1	0	0	0	0	0	0	0	0	1
	105	0	1	0	0	0	0	0	0	0	0	1
	_05	J	_	J	-	J	J	J	J	-	-	_

##	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
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##	111	0	0	0	0	0	0	0	1	0	0	0
	112	1	0	0	0	0	0	0	0	0	1	0
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	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			0	0							
	120	1	0 0	0	0	0	0 0	0	0 0	1 0	0	0
	121	1				0		0			0	1
		0	0	1	0	0	0	0	0	0	0	1
	123	0	0	1	0	0	1	0	0	0	0	0
	124	0	0	0	0	0	0	0	1	0	0	0
	125	0	0	0	0	0	0	0	0	1	0	0
	126	0	0	0	0	0	0	0	0	1	0	0
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	129	0	1	0	0	0	0	0	0	0	0	1
	130	0	0	1	0	0	1	0	0	0	0	0
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##	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
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##	137	0	1	0	0	0	0	0	0	0	1	0
##	138	0	0	1	0	0	1	0	0	0	0	0
##	139	0	0	0	1	0	1	0	0	0	0	0
##	140	0	0	0	1	1	0	0	0	0	0	0
	141	0	0	0	1	0	1	0	0	0	0	0
	142	0	0	0	0	0	0	1	0	0	0	0
	143	0	0	0	0	0	1	0	0	0	0	0
	144	0	0	0	0	0	0	0	1	0	0	0
	145	0	0	0	0	0	0	0	1	0	0	0
	146	0	0	0	0	0	0	0	0	1	0	0
	147	0	0	0	0	0	0	0	0	1	0	0
	147	0		0	0	0	0	0		1	0	
	148		0						0			0
		0	0	0	0	0	0	0	1	0	0	0
	150	1	0	0	0	0	0	0	0	0	0	1
	151	0	1	0	0	0	0	0	0	1	0	0
	152	0	0	0	1	0	1	0	0	0	0	0
	153	0	0	0	1	1	0	0	0	0	0	0
	154	0	0	0	0	0	1	0	0	0	0	0
##	155	0	0	0	0	1	0	0	0	0	0	0

## 156	0	0	0	0	0	0	0	0	1	0	0	
## 157	0	0	0	0	0	0	0	0	0	1	0	
## 158	0	0	0	0		0	0	0	0	1		
					0						0	
## 159	0	0	0	0	0	0	0	1	0	0	0	
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## 165	0	1	0	0	0	0	0	0	0	1	0	
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## 167	0	0	1	0	1	0	0	0	0	0	0	
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## 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	
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## 175	0	0	0	0	0	0	1	0	0	0	0	
## 176	0	0	0	0	0	0	0	1	0	0	0	
## 177	0	0	0	0	0	0	ø	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	
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## 181	0	1	0	0	0	0	0	0	0	1	0	
## 182	0	0	1	0	0	0	0	0	0	1	0	
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## 184	0	0	1	0	0	0	0	0	0	0	1	
## 185	0	0	0	1	0	1	0	0	0	0	0	
## 186	0	0	0	1	0	0	1	0	0	0	0	
## 187	0	0	0	0	0	1	0	0	0	0	0	
## 188	0	0	0	0	1	0	0	0	0	0	0	
## 189	0	0	0	0	0	0	0	1	0	0	0	
## 190	0	0	0	0	0	0	1	0	0	0	0	
## 191	0	0	0	0	0	0	1	0	0	0	0	
## 192	0	0	ø	0	0	0	0	ø	1	0	0	
## 193	0		0	0	0	0	0		1			
		0						0		0	0	
## 194	0	0	0	0	0	0	1	0	0	0	0	
## 195	1	0	0	0	0	0	0	1	0	0	0	
## 196	1	0	0	0	0	0	0	0	0	1	0	
## 197	1	0	0	0	0	0	0	1	0	0	0	
## 198	0	1	0	0	0	0	0	0	0	0	1	
## 199	0	1	0	0	0	0	0	0	0	1	0	
## 200	0		0	0	1	0	0	0		0		
		1							0		0	
## 201	0	1	0	0	0	0	0	0	0	0	1	
## 202	0	0	1	0	0	0	0	0	0	0	1	
## 203	0	0	1	0	1	0	0	0	0	0	0	
## 204	0	0	0	1	0	0	1	0	0	0	0	
## 205	0	0	0	0	0	0	0	1	0	0	0	
	•	-	-	-	-	-	-	_	-	-	_	

## 206													
## 208			0	0	0	0	0	0	1	0	0	0	0
## 209	##	207	0	0	0	0	0	1	0	0	0	0	0
## 210 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0	##	208	0	0	0	0	0	0	0	1	0	0	0
## 211	##	209	0	0	0	0	0	0	0	0	1	0	0
## 212	##	210	0	0	0	0	0	0	0	0	1	0	0
## 212													
## 213													
## 214													
## 215													
## 216													
## 217													
## 218													
## 219													
## 220													
## 221													
## 222			0				1						0
## 223			0				0		0	0		1	0
## 224			0	1	0	0	1	0	0	0	0	0	0
## 225	##	223	0	1	0	0	0	0	0	0	0	1	0
## 226	##	224	0	1	0	0	1	0	0	0	0	0	0
## 227	##	225	0	1	0	0	0	0	0	0	1	0	0
## 228	##	226	0	1	0	0	0	0	0	0	0	1	0
## 229	##	227	0	1	0	0	0	0	0	0	0	1	0
## 229	##	228	0	1	0	0	0	0	0	0	0	1	0
## 230													
## 231													
## 232 0 0 1 0 0 0 0 0 0 0 0 0 0													
## 233							-						
## 234													
## 235				-									
## 236													
## 237													
## 238													
## 239 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 ## 241 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 240 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0			-										
## 241 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0			_	_					_	_			_
## 242													
## 243 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 ## 244 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0													
## 244													
## 245 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0													
## 246 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0													
## 247 0 0 1 0 0 0 0 0 0 0 0 0 1 ## 248 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0			-										
## 248 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 ## 249 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
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## 250 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0													
## 251 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0									0				
## 252 0 0 0 1 1 0 0 0 0 0 0 0 0 0 ## 253 0 0 0 1 1 0 0 0 0 0 0 0 0 ## 254 0 0 0 1 1 0 0 0 0 0 0 0				0									
## 253 0 0 0 1 0 1 0 0 0 0 0 0 ## 254 0 0 0 1 1 0 0 0 0 0			0	0	0				0	0	0	0	0
## 254 0 0 0 1 1 0 0 0 0 0			0	0	0	1	1	0	0	0	0	0	0
	##	253	0	0	0	1	0	1	0	0	0	0	0
## 255 0 0 0 1 0 0 1 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
	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
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	261	0	0	0	1	0	1	0	0	0	0	0
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	263	0	0	0	1	0	1	0	0	0	0	0
	264	0	0	0	0	1	0	0	0	0	0	0
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	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
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	272	0	0	0	0	0	1	0	0	0	0	0
	273	0	0	0	0	0	0	1	0	0	0	0
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	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
##	282	0	0	0	0	0	0	1	0	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
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	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

## 3	106	0	0	0	0	0	0	0	0	1	0	0
		0	0	0	0	0	0	0	1	0	0	0
		0	0	0	0	0	0	0	1	0	0	0
## 3		0	0	0	0	0	0	0		0	0	
		0	0	0	0	0	0	1	1 0	0	0	0
												0
		0	0	0	0	0	0	0	0	0	1	0
		0	0	0	0	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	0	1	0	0
## 3		0	0	0	0	0	0	0	0	1	0	0
## 3		0	0	0	0	0	0	0	1	0	0	0
## 3		0	0	0	0	0	0	0	0	1	0	0
## 3		0	0	0	0	0	0	0	0	0	1	0
## 3		0	0	0	0	0	0	0	1	0	0	0
## 3		1	0	0	0	0	0	0	1	0	0	0
		1	0	0	0	0	0	0	1	0	0	0
		1	0	0	0	0	0	0	1	0	0	0
## 3		1	0	0	0	0	0	0	0	1	0	0
	324	1	0	0	0	0	0	0	0	0	1	0
		1	0	0	0	0	0	0	0	1	0	0
## 3		1	0	0	0	0	0	0	0	1	0	0
## 3		1	0	0	0	0	0	0	1	0	0	0
## 3	28	1	0	0	0	0	0	0	1	0	0	0
## 3	29	1	0	0	0	0	0	0	0	1	0	0
## 3	30	1	0	0	0	0	0	0	0	1	0	0
## 3	31	1	0	0	0	0	0	0	0	1	0	0
## 3	32	1	0	0	0	0	0	0	0	1	0	0
## 3	33	1	0	0	0	0	0	0	0	0	1	0
## 3	34	1	0	0	0	0	0	0	1	0	0	0
## 3	35	1	0	0	0	0	0	0	0	1	0	0
## 3	36	1	0	0	0	0	0	0	0	1	0	0
## 3	37	0	1	0	0	0	0	0	0	0	0	1
## 3	38	1	0	0	0	0	0	0	0	0	0	1
## 3	39	1	0	0	0	0	0	0	0	0	1	0
## 3	40	0	0	0	0	0	0	0	0	0	1	0
## 3	341	0	0	1	0	1	0	0	0	0	0	0
## 3	342	0	0	1	0	1	0	0	0	0	0	0
## 3	343	0	0	1	0	1	0	0	0	0	0	0
## 3	344	0	1	0	0	0	0	0	0	1	0	0
## 3	345	0	0	1	0	0	0	0	0	0	1	0
## 3	46	0	0	0	0	0	0	0	1	0	0	0
## 3	347	0	0	0	0	0	0	1	0	0	0	0
## 3	348	0	1	0	0	0	0	0	0	1	0	0
## 3		0	0	0	0	0	1	0	0	0	0	0
## 3	50	0	0	0	0	0	0	0	1	0	0	0
## 3		0	0	0	0	0	0	0	1	0	0	0
## 3		0	0	0	1	0	0	1	0	0	0	0
## 3		0	0	0	1	0	1	0	0	0	0	0
## 3		0	0	0	0	1	0	0	0	0	0	0
## 3		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	
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				0								
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## 366	0	1	0	ø	ø	0	0	ø	0	1	0	
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## 388	0	1	0	0	ø	0	0	ø	0	0	1	
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	463											
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		-										
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			0						0	0		
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		0							0			
##	505	0	0	0	1	0	1	0	0	0	0	0

## 506		_					_	_			-		
## 508	## 506	0	0	0	1	1	0	0	0	0	0	0	
## 508	## 507	0	0	0	1	0	0	1	0	0	0	0	
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## 514													
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## 519													
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## 539 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0													
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## 543		0	0	0	0	0	0	1	0	0	0	0	
## 544 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 ## 545 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0	## 542	0	0	0	0	0	1	0	0	0	0	0	
## 544 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 ## 545 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0	## 543	0	0	0	0	0	0	0	1	0	0	0	
## 545 0 0 0 0 0 0 0 0 0 0 1 0 0 0 ## 546 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0													
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## 550 0 0 0 0 0 0 0 0 1 0 0 0 0 ## 551 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0	## 549	0	0	0	0	0	0	1	0	0	0	0	
## 551 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	## 550	0	0	0	0	0	0	0	1	0	0		
## 552 0 0 0 0 0 0 0 1 0 0 0 ## 553 0 0 0 0 0 0 0 1 0 0 0 0 ## 554 0 0 0 0 0 0 1 0 0 0 0													
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	_	_	_	_	_	_	_	_	_	_	_	
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## 559	0	0	1	0	1	0	0	0	0	0	0	
## 560	0	0	1	0	1	ø	0	ø	ø	0	0	
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	_											
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		-										
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		-										
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	637		0	0	0	0	0	0	0	1	0	0
		0										
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			-									
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	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
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	649	0	0	0	0	0	0	0	0	1	0	0
	650	0	0	0	0	0	0	0	0	1	0	0
	651	0	0	0	0	0	0	0	0	1	0	0
	652	1	0	0	0	0	0	0	0	0	1	0
##	653	1	0	0	0	0	0	0	0	0	1	0
	654	1	0	0	0	0	0	0	1	0	0	0
	655	1	0	0	0	0	0	0	0	1	0	0
		_	_	-	-	-	•	-	-	_	•	•

		_	_	_	_	_	_	_	_	_	_	_
## 6		1	0	0	0	0	0	0	0	0	1	0
## 6	657	1	0	0	0	0	0	0	1	0	0	0
## 6	658	1	0	0	0	0	0	0	0	0	1	0
## 6		1	0	0	0	0	0	0	0	0	1	0
## 6		1	0	0	0	0	0	0	0	1	0	0
## 6		1	0	0	0	0	0	0	0	1	0	0
## 6	662	1	0	0	0	0	0	0	0	0	1	0
## 6	663	0	0	0	0	0	0	0	0	1	0	0
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## 6		0	1	0	0	0	0	0	0	0	0	1
## 6		-	0		0		0	0		0	0	
		0		1		1			0			0
## 6		0	0	0	0	0	0	1	0	0	0	0
## 6		0	1	0	0	1	0	0	0	0	0	0
## 6	669	0	0	0	0	1	0	0	0	0	0	0
## 6	670	0	0	0	0	0	1	0	0	0	0	0
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## 6		0	1	0	0	0	0	0	0	1	0	0
## 6		0	0	0	0	0	0	0	0	1	0	0
## 6		0	0	0	1	0	1	0	0	0	0	0
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## 6	676	1	0	0	0	0	0	0	0	0	0	1
## 6	677	0	0	1	0	0	1	0	0	0	0	0
## 6	678	0	0	0	0	0	0	0	1	0	0	0
## 6		0	0	1	0	0	0	0	0	0	0	1
## 6		0	0	0	0	0	0	0	0	0	1	0
		-										
## 6		0	1	0	0	0	0	0	0	0	0	1
## 6		0	0	1	0	0	0	0	0	0	0	1
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## 6	684	0	0	1	0	1	0	0	0	0	0	0
## 6	685	0	1	0	0	0	0	0	0	0	0	1
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## 6		0	0	0	0	1	0	0	0	0	0	0
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## 6	694	0	1	0	0	1	0	0	0	0	0	0
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## 6		0	0	0	0	0	0	0	0	1	0	0
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## 6		0	0	0	0	0	0	1	0	0	0	0
## 7		1	0	0	0	0	0	0	0	0	1	0
## 7	701	1	0	0	0	0	0	0	0	0	1	0
## 7	702	0	0	0	0	0	1	0	0	0	0	0
## 7		0	0	1	0	0	0	0	0	0	0	1
## 7		0	0	1	0	0	1	0	0	0	0	0
## 7		0	0	1	0	1	0	0	0	0	0	0
## /	(6)	v	U	1	U	1	U	U	U	U	U	U

##	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
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##	712	1	0	0	0	0	0	0	0	1	0	0
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	733	1	0	0	0	0	0	0	0	0	1	0
	733 734											
	73 4 735	0	0	1 0	0 0	0	1 0	0	0	0 0	0	0
	735 736	0	0			0		0	1		0	0
		1	0	0	0	0	0	0	0	0	0	1
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	741	0	0	0	0	0	0	0	1	0	0	0
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	744	0	1	0	0	0	0	0	0	1	0	0
	745	0	0	0	0	0	0	0	0	0	1	0
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	747	0	1	0	0	0	0	0	0	0	0	1
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	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	ø	1	0	0	0	0	0	0	0	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	
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## 762	0	0	1	0	0	0	0	0	0	0	1	
## 763	1	0	0	0	0	0	0	0	1	0	0	
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## 765	0	1	0	0	0	0	0	0	0	0	1	
## 766	0	0	0	0	0	0	1	0	0	0	0	
## 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	
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## 776	0	0	0	0	0	0	0	1	0	0	0	
## 777	1	0	0	0	0	0	0	0	0	1	0	
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## 779	1	0	0	0	0	0	0	0	1	0	0	
## 780	1	0	0	0	0	0	0	0	1	0	0	
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## 782	1	0	0	0	0	0	0	0	0	0	1	
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## 787	0	1	0	0	1	0	0	0	0	0	0	
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## 789	0	0	1	0	1	0	0	0	0	0	0	
## 790	0	0	0	1	1	0	0	0	0	0	0	
## 791	0	0	0	1	1	0	0	0	0	0	0	
## 792	0	0	0	1	1	0	0	0	0	0	0	
## 793	0	0	0	0	0	0	0	1	0	0	0	
## 794	0	0	0	0	0	0	1	0	0	0	0	
## 795	0	0	0	0	0	0	1	0	0	0	0	
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## 797	0	0	0	0	0	0	0	1	0	0	0	
## 798	0	0	0	0	0	0	0	1	0	0	0	
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## 800	1	0	0	0	0	0	0	0	1	0	0	
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## 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	a	
## 807	0	0	1 0	1	0	0	0	0	0	0	0 1	
## 808 ## 809	0	0	0	1	0	1	0	0	0	0	0	
	0	0	0	1	1	0	0	0	0	0	0	
## 810	0	0	0	1	1	0	0	0	0	0	0	
## 811	0	0	0	0	1	0	0	0	0	0	0	
## 812	0	0	0	0	0	0	1	0	0	0	0	
## 813	0	0	0	0	0	0	1	0	0	0	0	
## 814	0	0	0	0	0	1	0	0	0	0	0	
## 815	0	0	0	0	0	0	1	0	0	0	0	
## 816	0	0	0	0	0	0	0	1	0	0	0	
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## 818	0	0	0	0	0	0	0	1	0	0	0	
## 819	0	0	0	0	0	0	1	0	0	0	0	
## 820	1	0	0	0	0	0	0	0	0	1	0	
## 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	
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## 825	0	0	0	0	0	0	0	0	1	0	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	
## 832	0	0	0	0	0	0	0	0	0	1	0	
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## 837	0	0	1	0	0	0	0	0	0	1	0	
## 838	0	0	1	0	0	0	0	0	0	1	0	
## 839	0	0	1	0	0	1	0	0	0	0	0	
## 840	0	0	1	0	1	0	0	0	0	0	0	
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## 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
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	863	0	0	1	0	0	0	0	0	0	0	1
	864											
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	865	0	0	0	0	0	0	1	0	0	0	0
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	869	0	1	0	0	1	0	0	0	0	0	0
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	889	1	0	0	0	0	0	0	0	0	1	0
				0	0		0					
	890	1	0			0		0	0	1	0	0
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	892	0	0	0	1	0	1	0	0	0	0	0
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	896	1	0	0	0	0	0	0	0	1	0	0
	897	0		0	0	0	0	0	0	0	1	0
			1									
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	899	0	0	0	1	0	1	0	0	0	0	0
##	900	1	0	0	0	0	0	0	1	0	0	0
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	902	0	1	0	0	0	0	0	0	1	0	0
	903	0	0	0	0	0	1	0	0	0	0	0
	904											0
		0	0	0	0	0	0	1	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	
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## 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	ø	0	ø	ø	0	ø	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	ø	ø	0	0	0	ø	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	
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## 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	ø	0	0	0	ø	1	0	0	0	
## 933	0	0	0	0	0	0	0	0	1	0	0	
## 934	1	0	0	0	0	0	0	0	0	0	1	
## 935	1	0	0	0	0	0	0	0	0	1	0	
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## 937	1	0	0	0	0	0	0	0	1	0	0	
## 938	0	0	0	0	0	0	0	1	0	0	0	
## 939	0	0	0	0	0	0	0	0	1	0	0	
## 940	0		0	0		0		0				
		0			0		1		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	ø	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	ø	1	1	0	0	ø	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	0	0	0	0	0	1	0	
## 962	0	1	0	0	0	0	0	0	0	1	0	
## 963	0	0	0	1	1	0	0		0	0	0	
## 964				0				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	0	0	0	1	0	
## 968	0	0	0	0	0	0	1	0	0	0	0	
## 969	0	0	0	0	0	0	0	1	0	0	0	
## 970	0	0	1	0	1	0	0	0	0	0	0	
## 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	
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## 978	0	0	0	1	0	1	0	0	0	0	0	
## 979	0	0	0	1	0	1	0	0	0	0	0	
## 980	1	0	0	0	0	0	0	0	1	0	0	
## 981	0	1	0	0	0	0	0	0	0	1	0	
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## 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	
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## 995	0	0	1	0	0	0	0	0	0	0	1	
## 996	0	0	0	0	0	0	1	0	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	
## 1000	0	0	0	0	0	0	0	1	0	0	0	
## 1008 ## 1009	1	0	0	0	0	0	0	0	0	0	1	
	0	1	0	0	0	0	0	0	0	0	1	
## 1010	0	0	1	0	1	0	0	0	0	0	0	
## 1011	0	0	0	1	0	1	0	0	0	0	0	
## 1012	0	0	0	0	0	0	1	0	0	0	0	
## 1013	0	0	0	0	0	0	0	1	0	0	0	
## 1014	0	0	0	0	0	0	0	0	1	0	0	
## 1015	1	0	0	0	0	0	0	0	0	1	0	
## 1016	0	1	0	0	0	0	0	0	0	0	1	
## 1017	0	0	1	0	0	0	0	0	0	0	1	
## 1018	0	0	0	1	0	1	0	0	0	0	0	
## 1019	0	0	0	0	0	0	1	0	0	0	0	
## 1020	0	0	0	0	0	0	1	0	0	0	0	
## 1021	0	0	0	0	0	0	0	0	1	0	0	
## 1022	1	0	0	0	0	0	0	0	0	0	1	
## 1023	0	1	0	0	0	0	0	0	1	0	0	
## 1024	0	0	1	0	0	1	0	0	0	0	0	
## 1025	0	0	0	1	0	1	0	0	0	0	0	
## 1026	0	0	0	0	0	1	0	0	0	0	0	
## 1027	0	0	0	0	0	0	0	0	1	0	0	
## 1028	0	0	0	0	0	0	1	0	0	0	0	
## 1029	0	0	0	0	0	0	1	0	0	0	0	
## 1030	1	0	0	0	0	0	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	
## 1037	0	0	0	0	0	0	0	1	0	0	0	
## 1038	0	0	0	0	0	0	1	0	0	0	0	
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## 1040	0	0	0	0	0	0	0	0	0	1	0	
## 1041	1	0	0	0	0	0	0	0	0	1	0	
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## 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	0	0	0	0	0	1	0	0	0	0	0	
## 1067	0	0	0	0	0	0	0	1	0	0	0	
## 1068	1	0	0	0	0	0	0	0	1	0	0	
## 1069	0	1	0	0	1	0	0	0	0	0	0	
## 1070	0	0	1	0	0	0	0	0	0	0	1	
## 1071	0	0	0	1	0	0	1	0	0	0	0	
## 1072	0	0	0	0	0	0	0	1	0	0	0	
## 1073	0	0	0	0	0	0	0	0	1	0	0	
## 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	ø	0	ø		0	1	0	
			0					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	ø	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	0	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	ø	ø	ø	ø	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	ø	0	ø	0	0	0	1	
## 1098	0	0	1	0	0	1	0	0	0	0	0	
## 1099	0	0	0	1	0	0	1	0	0	0	0	
## 1100	0	0	0	0	0	1	0	0	0	0	0	
## 1101	0	0	0	0	0	1	0	0	0	0	0	
## 1102	0	0	0	0	0	0	0	1	0	0	0	
## 1103	1	0	0	0	0	0	0	0	1	0	0	
## 1104	0	0	1	0	0	0	0	0	0	0	1	
## 1105	0	0	0	0	0	0	0	1	0	0	0	

## 1106	1	0	0	0	0	0	0	0	1	0	0	
## 1107	0	1	0	0	1	0	0	0	0	0	0	
## 1108	1	0	0	0	0	0	0	0	1	0	0	
## 1109	0	1	0	0	0	0	0	0	0	0	1	
## 1110	0	0	0	0	0	0	1	0	0	0	0	
## 1111	0	1	0	0	0	0	0	0	0	0	1	
## 1112	0	0	1	0	1	0	0	0	0	0	0	
## 1113												
	0	0	1	0	0	0	0	0	0	1	0	
## 1114	0	0	1	0	0	0	0	0	0	0	1	
## 1115	0	0	1	0	0	1	0	0	0	0	0	
## 1116	0	0	1	0	0	0	0	0	0	0	1	
## 1117	0	0	1	0	1	0	0	0	0	0	0	
## 1118	0	0	0	1	0	0	0	0	0	0	1	
## 1119	0	0	0	1	0	0	0	0	0	0	1	
## 1120	0	0	0	1	0	1	0	0	0	0	0	
## 1121	0	0	0	1	0	1	0	0	0	0	0	
## 1122	0	0	0	1	0	0	1	0	0	0	0	
## 1123	0	0	0	1	0	1	0	0	0	0	0	
## 1124	0	0	0	1	0	0	1	0	0	0	0	
## 1125	0	0	0	1	0	0	0	0	0	0	1	
## 1126	0	0	0	1	1	0	0	0	0	0	0	
## 1127					0	1	0		0	0		
	0	0	0	1				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	0	0			1		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	ø	0	0	1	0	0	0	
		-										
## 1143	0	0	0	0	0	1	0	0	0	0	0	
## 1144	0	0	0	0	0	0	1	0	0	0	0	
## 1145	0	0	0	0	0	0	1	0	0	0	0	
## 1146	0	0	0	0	0	0	0	0	1	0	0	
## 1147	0	0	0	0	0	0	0	1	0	0	0	
## 1148	0	0	0	0	0	0	0	0	1	0	0	
## 1149	1	0	0	0	0	0	0	0	0	0	1	
## 1150	0	1	0	0	0	0	0	0	1	0	0	
## 1151	0	1	0	0	0	0	0	0	0	1	0	
## 1152	0	0	1	ø	1	ø	0	0	0	0	0	
## 1153	0	0	1	0	0	0	0	0	0	0	1	
## 1154	0	0	1	0	0	0	0	0	0	0	1	
## 1155	0	0	0	1	0	0	1	0	0	0	0	

щщ	1156	0	0	0	1	1	0	0	0	Δ.	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
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	1160	0	0	0	1	0	1	0	0	0	0	0
	1161	0	0	0	1	0	0	1	0	0	0	0
	1162	0	0	0	1	0	0	0	0	0	0	1
	1163	0	0	0	1	0	0	1	0	0	0	0
	1164	0	0	0	0	0	1	0	0	0	0	0
	1165	0	0	0	0	0	1	0	0	0	0	0
	1166	0	0	0	0	0	0	1	0	0	0	0
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	1169	0	0	0	0	0	0	0	1	0	0	0
	1170	0	0	0	0	0	0	0	1	0	0	0
##	1171	0	0	0	0	0	0	1	0	0	0	0
##	1172	0	0	0	0	0	0	1	0	0	0	0
##	1173	0	0	0	0	0	0	0	1	0	0	0
##	1174	0	0	0	0	0	0	0	0	1	0	0
##	1175	0	0	0	0	0	0	0	0	1	0	0
##	1176	0	0	0	0	0	0	0	1	0	0	0
##	1177	0	0	0	0	0	0	1	0	0	0	0
##	1178	0	0	0	0	0	0	0	0	1	0	0
##	1179	0	0	0	0	0	0	0	1	0	0	0
##	1180	0	0	0	0	0	0	0	1	0	0	0
##	1181	0	0	0	0	0	0	0	1	0	0	0
##	1182	0	0	0	0	0	0	0	0	1	0	0
##	1183	0	0	0	0	0	0	0	0	0	1	0
##	1184	0	0	0	0	0	0	0	1	0	0	0
##	1185	1	0	0	0	0	0	0	0	1	0	0
##	1186	0	1	0	0	0	0	0	0	1	0	0
##	1187	0	1	0	0	0	0	0	0	1	0	0
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	1189	0	1	0	0	0	0	0	0	0	0	1
	1190	0	1	0	0	0	0	0	0	0	1	0
	1191	0	1	0	0	0	0	0	0	0	1	0
	1192	0	1	0	0	0	0	0	0	0	1	0
	1193	0	0	1	0	1	0	0	0	0	0	0
	1194	0	0	_ 1	0	0	0	0	0	0	0	1
	1195	0	0	1	0	0	1	0	0	0	0	0
	1196	0	0	1	0	1	0	0	0	0	0	0
	1197	0	0	1	0	1	0	0	0	0	0	0
	1198	0	0	1	0	0	1	0	0	0	0	0
	1199	0	0	0	1	0	0	0	0	0	0	1
	1200	0	0	0	1	0	0	1	0	0	0	0
	1201	0	0	0	1	0	0	0	0	0	0	1
	1202	0	0	0	1	1	0	0	0	0	0	0
	1203	0	0	0	1	0	1	0	0	0	0	0
	1203	0	0	0	0	1	0	0	0	0	0	0
	1205	0	0	0	0	0	0	0	1	0	0	0
пπ	1200	0	9	0	9	9	0	9	-	J	0	9

##	1206	0	0	0	0	0	0	0	1	0	0	0
##	1207	0	0	0	0	0	0	1	0	0	0	0
##	1208	0	0	0	0	1	0	0	0	0	0	0
	1209	0	0	0	0	0	0	1	0	0	0	0
	1210	0	0	0	0	0	0	0	1	0	0	0
	1211	0	0	0	0	1	0	0	0	0	0	0
##	1212	0	0	0	0	0	0	0	1	0	0	0
##	1213	0	0	0	0	0	0	1	0	0	0	0
##	1214	0	0	0	0	0	0	1	0	0	0	0
	1215	0	0	0	0	0	0	0	1	0	0	0
	1216	-										
		0	0	0	0	0	0	0	1	0	0	0
	1217	0	0	0	0	0	0	0	1	0	0	0
##	1218	0	0	0	0	0	0	0	1	0	0	0
##	1219	0	0	0	0	0	0	0	1	0	0	0
##	1220	0	0	0	0	0	0	1	0	0	0	0
	1221	0	0	0	0	0	0	0	1	0	0	0
	1222	0	0	0	0	0	0	0	1	0	0	0
		-										
	1223	0	0	0	0	0	0	0	0	1	0	0
	1224	0	0	0	0	0	0	0	1	0	0	0
##	1225	0	0	0	0	0	0	0	0	0	1	0
##	1226	0	0	0	0	0	0	0	1	0	0	0
##	1227	1	0	0	0	0	0	0	0	1	0	0
	1228	0	1	0	0	0	0	0	0	0	1	0
	1229	-	1	0	0		0			0	0	1
		0				0		0	0			
	1230	0	1	0	0	1	0	0	0	0	0	0
	1231	0	1	0	0	0	0	0	0	1	0	0
##	1232	0	1	0	0	1	0	0	0	0	0	0
##	1233	0	1	0	0	0	0	0	0	0	0	1
##	1234	0	0	1	0	0	0	0	0	0	0	1
	1235	0	0	1	0	1	0	0	0	0	0	0
##	1236	-	0	1	0		0		0	0	0	1
		0				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	0	1	0	0	0	0	0
	1243	0	0	0	0	0	0	1	0	0	0	0
		-										
	1244	0	0	0	0	0	0	0	1	0	0	0
	1245	0	0	0	0	0	0	0	1	0	0	0
##	1246	0	0	0	0	1	0	0	0	0	0	0
##	1247	0	0	0	0	0	0	0	1	0	0	0
	1248	0	0	0	0	0	0	0	1	0	0	0
	1249	0	0	0	0	0	0	0	1	0	0	0
		_										
	1250	0	0	0	0	0	1	0	0	0	0	0
	1251	0	0	0	0	0	0	0	1	0	0	0
	1252	0	0	0	0	0	0	0	1	0	0	0
##	1253	0	0	0	0	0	0	0	0	1	0	0
##	1254	1	0	0	0	0	0	0	1	0	0	0
	1255	0	1	0	0	1	0	0	0	0	0	0
		•	_	-	•	_	_	-	-	-	-	_

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

## 1306	0	0	0	0	0	1	0	0	0	0	0	
## 1307	0	0	0	0	0	1	0	0	0	0	0	
## 1308	0	0	0	0	0	0	0	1	0	0	0	
## 1309	0	0	0	0	0	0	0	1	0	0	0	
## 1310	0	0	0	0	0	0	0	1	0	0	0	
## 1311	0	0	0	0	0	0	0	0	0	1	0	
## 1312	0	0	0	0	0	0	0	0	1	0	0	
## 1313	0	0	0	0	0	0	0	1	0	0	0	
## 1314	1	0	0	0	0	0	0	0	1	0	0	
## 1315	1	0	0	0	0	0	0	1	0	0	0	
## 1316	1	0	0	0	0	0	0	1	0	0	0	
## 1317	1	0	0	0	0	0	0	0	1	0	0	
## 1318	0	0	0	1	1	0	0	0	0	0	0	
## 1319	0	0	0	0	0	1	0	0	0	0	0	
## 1320	0	0	0	0	0	0	0	0	1	0	0	
## 1321	0	0	0	0	0	0	0	1	0	0	0	
## 1322	0	1	0	0	0	0	0	0	0	1	0	
## 1323	0	0	1	0	1	0	0	0	0	0	0	
## 1324	0	0	0	1	0	1	0	0	0	0	0	
## 1325	0	0	0	0	1	0	0	0	0	0	0	
## 1326	0	0	0	0	0	0	0	0	0	1	0	
## 1327	0	0	0	0	0	0	0	0	0	1	0	
## 1328	1	0	0	0	0	0	0	0	1	0	0	
## 1329	0	1	0	0	0	0	0	0	0	1	0	
## 1330	0	0	1	0	1	0	0	0	0	0	0	
## 1331	0	0	0	1	0	1	0	0	0	0	0	
## 1332	0	0	0	0	1	0	0	0	0	0	0	
## 1333	0	0	0	0	0	0	1	0	0	0	0	
## 1334				0			0					
	0	0	0		0	0		0	1	0	0	
## 1335	1	0	0	0	0	0	0	0	1	0	0	
## 1336	0	0	1	0	1	0	0	0	0	0	0	
## 1337	0	0	0	0	0	0	0	0	1	0	0	
## 1338	1	0	0	0	0	0	0	0	1	0	0	
## 1339	0	1	0	0	0	0	0	0	0	0	1	
## 1340	0	0	0	0	0	0	1	0	0	0	0	
## 1341	0	0	0	0	0	1	0	0	0	0	0	
## 1342	0	0	0	ø	0	0	0	1	ø	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	ø	0	0	0	ø	ø	0	0	1	0	0	
## 1347	0	0	1	0	1	0	0	0	0	0	0	
## 1348	0	0	1	0	0	0	0	0	0	1	0	
## 1349	1	0	0	0	0	0	0	0	0	1	0	
## 1350	0	1	0	0	0	0	0	0	0	0	1	
## 1351	0	0	1	0	0	0	0	0	0	0	1	
## 1352	0	0	0	0	0	0	0	0	1	0	0	
## 1353	0	0	0	0	0	0	0	0	1	0	0	
## 1354	0	0	0	0	0	0	0	0	0	1	0	
## 1355	0	0	0	0	0	1	0	0	0	0	0	

-	-				_	-	_					
## 1356	0	1	0	0	0	0	0	0	0	1	0	
## 1357	1	0	0	0	0	0	0	0	0	1	0	
## 1358	0	0	0	0	0	0	0	1	0	0	0	
## 1359	0	1	0	0	0	0	0	0	0	1	0	
## 1360	0	0	1	0	0	0	0	0	0	0	1	
## 1361	0	0	1	0	1	0	0	0	0	0	0	
## 1362	0	0	0	0	0	0	0	0	1	0	0	
## 1363	0	0	0	0	0	0	0	1	0	0	0	
## 1364	0	0	0	0	0	0	0	0	1	0	0	
## 1365	0	0	0	0	0	0	0	1	0	0	0	
## 1366	1	0	0	0	0	0	0	0	0	1	0	
## 1367	0	0	0	1	0	1	0	0	0	0	0	
## 1368	0	0	1	0	0	0	0	0	0	1	0	
				ø	0					0		
## 1369	0	0	0			0	0	0	1		0	
## 1370	0	0	0	1	0	1	0	0	0	0	0	
## 1371	0	0	0	1	0	1	0	0	0	0	0	
## 1372	0	0	0	0	0	0	0	1	0	0	0	
## 1373	0	0	0	0	0	0	1	0	0	0	0	
## 1374	0	0	0	0	ø	ø	1	0	0	0	0	
## 1375	0	0	0	0	0	0	0	1	0	0	0	
## 1376	0	0	0	0	0	0	0	1	0	0	0	
## 1377	1	0	0	0	0	0	0	0	1	0	0	
## 1378	0	0	0	1	0	0	0	0	0	0	1	
## 1379	0	0	0	1	0	1	0	0	0	0	0	
## 1380	0	0	0	0	0	0	0	1	0	0	0	
## 1381	0	0	0	0	0	0	0	1	0	0	0	
## 1382	0	0	1	0	0	1	0	0	0	0	0	
## 1383	0	0	0	1	0	1	0	0	0	0	0	
## 1384	0	1	0	0	0	0	0	0	0	1	0	
## 1385	0	1	0	0	0	0	0	0	0	1	0	
## 1386	0	0	0	0	0	0	1	0	0	0	0	
## 1387	0	0	0	1	0	0	1	0	0	0	0	
## 1388	0	0	0	0	0	0	0	1	0	0	0	
## 1389	0	0	1	0	0	0	0	0	0	0	1	
## 1390	0	0	0	1	1	0	0	0	0	0	0	
## 1391	1	0	0	0	0	0	0	0	0	1	0	
## 1392	0	1	0	0	0	0	0	0	0	0	1	
## 1393	0	0	0	1	0	1	0	0	0	0	0	
## 1394	0	0	0	0	0	1	0	0	0	0	0	
## 1395	0			0		0	0		0		0	
		0	1		0			0		1		
## 1396	0	0	0	0	0	0	0	0	0	1	0	
## 1397	0	0	1	0	1	0	0	0	0	0	0	
## 1398	0	0	0	1	1	0	0	0	0	0	0	
## 1399	1	0	0	0	0	0	0	0	0	0	1	
## 1400	0	0	0	0	0	0	0	1	0	0	0	
## 1401	0	0	1	0	1	0	0	0	0	0	0	
## 1402	0	0	0	0	0	0	1	0	0	0	0	
## 1403	1	0	0	0	0	0	0	0	0	0	1	
## 1404	0	0	1	0	1	0	0	0	0	0	0	
## 1405	0	0	0	0	0	0	0	1	0	0	0	

	_	_	_	_	_	_	_	_	_	_	_	
## 1406	1	0	0	0	0	0	0	0	0	0	1	
## 1407	0	0	0	1	0	0	0	0	0	0	1	
## 1408	0	0	1	0	0	0	0	0	0	0	1	
## 1409	0	0	0	0	0	0	0	1	0	0	0	
## 1410	0	0	0	0	1	0	0	0	0	0	0	
## 1411	1	0	0	0	0	0	0	0	0	0	1	
## 1412	1	0	0	0	0	0	0	0	1	0	0	
## 1413	0	1	0	0	0	0	0	0	0	0	1	
## 1414												
	0	1	0	0	0	0	0	0	0	1	0	
## 1415	0	0	0	1	1	0	0	0	0	0	0	
## 1416	0	0	1	0	0	1	0	0	0	0	0	
## 1417	0	0	0	0	0	0	0	1	0	0	0	
## 1418	1	0	0	0	0	0	0	0	0	1	0	
## 1419	0	0	1	0	0	0	ø	0	0	0	1	
## 1420	0	0	1	0	0	1	0	0	0	0	0	
## 1421	0	0	0	1	1	0	0	0	0	0	0	
## 1422	0	0	0	0	0	0	1	0	0	0	0	
## 1423	0	0	0	1	0	1	0	0	0	0	0	
## 1424	0	0	0	1	1	0	0	0	0	0	0	
## 1425	0	0	0	1	0	1	0	0	0	0	0	
## 1426	0		0	0	0	0	0		0	0	0	
		0						1				
## 1427	0	0	0	0	0	1	0	0	0	0	0	
## 1428	1	0	0	0	0	0	0	0	1	0	0	
## 1429	0	0	0	0	1	0	0	0	0	0	0	
## 1430	0	0	0	0	0	1	0	0	0	0	0	
## 1431	0	0	0	1	0	1	0	0	0	0	0	
## 1432	0	0	0	0	0	0	1	0	0	0	0	
## 1433	0	1	0	ø	ø	0	0	ø	0	1	0	
## 1434	0	0	1	0	0	1	0	0	0	0	0	
## 1435	0	0	1	0	0	0	0	0	0	1	0	
## 1436	0	0	1	0	0	0	0	0	0	0	1	
## 1437	0	0	0	1	1	0	0	0	0	0	0	
## 1438	0	0	0	1	1	0	0	0	0	0	0	
## 1439	0	0	0	1	0	1	0	0	0	0	0	
## 1440	0	0	0	0	ø	0	0	1	0	0	0	
## 1441	0	0	0	0	0	0	0	1	0	0	0	
## 1442	0	0	0	0	0	1	0	0	0	0	0	
## 1443	0	0	0	0	0	0	0	0	1	0	0	
## 1444	0	0	0	0	0	0	0	0	1	0	0	
## 1445	0	0	0	0	0	0	0	0	1	0	0	
## 1446	1	0	0	0	0	0	0	0	0	1	0	
## 1447	1	0	0	0	ø	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	ø	0	1	0	0	0	0	
## 1454				0			1				0	
## 1455	0	0	0	О	0	0	Τ	0	0	0	Ø	

##	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
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	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
	1473											
		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	0	0	0		
		0			1	1					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
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	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
	1500	-									1	
		0	0	0	0	0	0	0	0	0		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	ø	0	ø	ø	0	0	1	ø	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		0	0			0		
					1			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	ø	0	1	ø	0	0	ø	0	ø	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	ø	0	ø	1	0	0	1	0	0	0	0	
## 1533	0	0	0	0	1	0	0	0	0	0	0	
## 1534	0	0	0	0	0	1	0	0	0	0	0	
## 1535	0	0	0	0	0	0	1	0	0	0	0	
## 1536	0	0	0	0	1	0	0	0	0	0	0	
## 1537	0	0	0	0	0	0	1	0	0	0	0	
## 1538	0	0	0	0	1	0	0	0	0	0	0	
## 1539	0	0	0	0	0	0	1	0	0	0	0	
## 1540	ø	0	0	ø	ø	ø	0	1	0	0	0	
## 1541	0	0	0	0	0	0	0	1	0	0	0	
## 1542	0	0	0	0	0	0	0	1	0	0	0	
## 1543	0	0	0	0	0	0	1	0	0	0	0	
## 1544	0	0	0	0	0	0	0	1	0	0	0	
## 1545	0	0	0	0	0	0	0	0	1	0	0	
## 1546	0	0	0	0	0	0	0	0	1	0	0	
## 1547	0	0	0	0	0	0	0	1	0	0	0	
## 1548	0	0	0	0	0	0	0	1	0	0	0	
## 1549	0	0	ø	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	
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## 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	ø	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	
			0	0	0				0	0		
## 1577	0	0				0	0	1			0	
## 1578	0	0	0	0	0	0	1	0	0	0	0	
## 1579	0	0	0	0	0	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	ø	ø	0	ø	0	1	0	
## 1585	0	0	0	0	0	1	0	0	0	0	0	
## 1586	0	0	0	0	0	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	
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## 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	ø	ø	ø	0	0	1	0	0	
11.11 TOO2	J	J	J	J	U	J	J	U	_	U	J	

## 1606	0	1	0	0	0	0	0	0	0	0	1	
## 1607	0	1	0	0	0	0	0	0	0	0	1	
## 1608	0	0	0	1	0	1	0	0	0	0	0	
## 1609	0	0	0	0	0	0	0	0	1	0	0	
## 1610	0	0	0	0	0	0	0	1	0	0	0	
## 1611	0	0	0	0	0	0	0	0	0	1	0	
## 1612	0	1	0	0	0	0	0	0	0	0	1	
## 1613	0	1	0	0	0	0	0	0	1	0	0	
## 1614	0	1	0	0	0	0	0	0	0	1	0	
## 1615	0	0	0	1	0	1	0	0	0	0	0	
## 1616	0	0	1	0	1	0	0	0	0	0	0	
## 1617	0	0	0	0	0	0	0	0	1	0	0	
## 1618	1	0	0	0	0	0	0	1	0	0	0	
## 1619				ø	ø	0	ø	1		0	0	
	0	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	ø	ø	0	0	0	ø	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	1	
								0	0			
## 1634	0	1	0	0	0	0	0	0	0	1	0	
## 1635	1	0	0	0	0	0	0	1	0	0	0	
## 1636	0	0	0	0	0	1	0	0	0	0	0	
## 1637	0	0	0	0	0	0	0	1	0	0	0	
## 1638	0	0	0	0	0	0	0	1	0	0	0	
## 1639	0	0	0	0	0	0	0	1	0	0	0	
## 1640	0		0	0	0		0					
		0				0		0	0	1	0	
## 1641	0	0	0	0	0	0	0	0	0	1	0	
## 1642	1	0	0	0	0	0	0	0	0	0	1	
## 1643	0	1	0	0	0	0	0	0	0	0	1	
## 1644	0	0	1	0	1	0	0	0	0	0	0	
## 1645	0	0	0	1	0	0	0	0	0	0	1	
## 1646	0	0	0	1	1	0	0	0	0	0	0	
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## 1648	0	0	0	0	0	0	0	1	0	0	0	
## 1649	0	0	0	0	0	0	0	1	0	0	0	
## 1650	0	0	0	0	0	0	0	1	0	0	0	
## 1651	0	0	0	0	0	0	0	1	0	0	0	
## 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		1			0	0	0		0	1	0	
	0		0	0				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	1	0	0	0
		0										
	1673	0	0	0	0	0	0	0	1	0	0	0
	1674	0	0	0	0	0	0	0	1	0	0	0
##	1675	0	0	0	0	0	0	0	0	0	1	0
##	1676	1	0	0	0	0	0	0	0	0	1	0
	1677	1	0	0	0	0	0	0	0	0	0	1
	1678	0	1	0	0	0	0	0	0	0	1	0
	1679	0	1	0	0	1	0	0	0	0	0	0
	1680	0	0	1	0	0	1	0	0	0	0	0
##	1681	0	0	1	0	0	0	0	0	0	1	0
##	1682	0	0	0	1	0	0	0	0	0	0	1
##	1683	0	0	0	1	0	1	0	0	0	0	0
	1684	0	0	0	0	0	1	0	0	0	0	0
	1685	0	0	0	0	1	0	0	0	0	0	0
##	1686	0	0	0	0	0	0	0	0	1	0	0
	1687	0	0	0	0	0	0	0	0	1	0	0
##	1688	0	0	0	0	0	0	0	1	0	0	0
##	1689	1	0	0	0	0	0	0	0	0	0	1
##	1690	1	0	0	0	0	0	0	0	0	0	1
	1691	0	1	0	0	1	0	0	0	0	0	0
	1692	0	1	0	0	0	0	0	0	0	0	1
		-										
	1693	0	0	1	0	0	0	0	0	0	1	0
	1694	0	0	1	0	0	1	0	0	0	0	0
##	1695	0	0	0	1	0	0	0	0	0	0	1
##	1696	0	0	0	1	1	0	0	0	0	0	0
	1697	0	0	0	0	0	0	0	1	0	0	0
	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	1	0	0	0
##	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
##	1/03	U	_	U	U	U	U	9	U	_	U	U

##	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	0	1	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	_	1	0								
		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
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	1754	0	0	0	0	0	0	0	1	0	0	0
	1755	0	0	0	0	0	0	0	1	0	0	0
##	1/33	U	U	U	U	U	U	U	1	U	U	U

	_	_	_	_	_	_	_	_	_	_	_	
## 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	0	0	0	0	0	0	0	0	1	
## 1762	0	0	1	0	0	1	0	0	0	0	0	
## 1763	0	0	1	0	0	0	0	0	0	1	0	
## 1764												
	0	0	0	1	0	1	0	0	0	0	0	
## 1765	0	0	0	1	0	0	1	0	0	0	0	
## 1766	0	0	0	0	0	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	ø	0	ø	ø	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	1	0	0	1	0	0	0	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	0	0	0	0	0	1	0	0	0	
## 1782	ø	0	ø	0	ø	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	1	0	0	0	0	0	0	0	0	1	
## 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	
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##	3	0.00000	00000										

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## 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
         0.0000000000
## 1849
## 1850
         0.0000000000
## 1851
         0.0000000000
## [ reached getOption("max.print") -- omitted 39097 rows ]
```

```
names(Features norm)
    [1] "X634995"
                               "xo"
                                                      "X463"
##
   [4] "X1"
##
                               "X0.0"
                                                      "X806.0"
##
  [7] "X11.291044776119403"
                              "X1.0"
                                                      "X70.49513846124168"
## [10] "X0.0.1"
                               "X806.0.1"
                                                      "X7.574626865671642"
## [13] "X0.0.2"
                               "X69.435826365571"
                                                      "X0.0.3"
## [16] "X76.0"
                               "X2.6044776119402986" "X0.0.4"
## [19] "X8.50550186882253"
                               "X0.0.5"
                                                      "X806.0.2"
## [22] "X10.649253731343284" "X1.0.1"
                                                      "X70.25478763764251"
## [25] "X.69.0"
                               "X806.0.3"
                                                      "X4.970149253731344"
## [28] "X0.0.6"
                               "X69.85058043098057"
                                                      "X0.1"
## [31] "X0.2"
                               "X0.3"
                                                      "X0.4"
## [34] "X0.5"
                               "X65"
                                                      "X166"
## [37] "X2"
                               "X0.6"
                                                      "X24"
## [40] "X0.7"
                               "X0.8"
                                                      "X0.9"
## [43] "X1.1"
                               "X0.10"
                                                      "X0.11"
## [46] "X0.12"
                                                      "X0.14"
                               "X0.13"
## [49] "X0.15"
                               "X0.16"
                                                      "X0.17"
                               "X1.2"
## [52] "X0.18"
                                                      "X0.19"
Features Train<-Features norm[1:28003,]
Features_Test<-Features_norm[28004:40948,]
library(neuralnet)
set.seed(123)
Features model<-neuralnet(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.2910447761
19403+X1.0+X70.49513846124168+X0.0.1+X806.0.1+X7.574626865671642+X0.0.2+X69.4
35826365571+X0.0.3+X76.0+X2.6044776119402986+X0.0.4+X8.50550186882253+X0.0.5+
X806.0.2+X10.649253731343284+X1.0.1+X70.25478763764251+X.69.0+X806.0.3+X4.970
149253731344, data = Features Train)
plot(Features model)
model results<-compute(Features model, Features Test[1:27])</pre>
predicted_X0.19<-model_results$net.result</pre>
nrow(predicted X0.19)
## [1] 12945
head(predicted X0.19)
##
                    [,1]
## 28004 0.002802219847
## 28005 0.002802219847
## 28006 0.002802219847
## 28007 0.002802219847
## 28008 0.002802219847
## 28009 0.002802219847
round(cor( predicted_X0.19,Features_Test$X0.19),2)
```

```
[,1]
## [1,] 0.34
Features_model<-neuralnet(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.2910447761
19403+X1.0+X70.49513846124168+X0.0.1+X806.0.1+X7.574626865671642, data = Featu
res_Train)
plot(Features_model)
model_results<-compute(Features_model, Features_Test[1:12])</pre>
predicted X0.19<-model results$net.result</pre>
nrow(predicted_X0.19)
## [1] 12945
head(predicted_X0.19)
##
                    \lceil,1\rceil
## 28004 0.002660508374
## 28005 0.002660508374
## 28006 0.002660508374
## 28007 0.002660508374
## 28008 0.002660508374
## 28009 0.002660508374
round(cor( predicted X0.19, Features Test$X0.19),2)
        [,1]
## [1,] 0.34
set.seed(123)
Features model2<-neuralnet(X0.19~X634995+X0+X463+X1+X0.0+X806.0+X11.291044776
119403+X1.0+X70.49513846124168+X0.0.1+X806.0.1+X7.574626865671642, data = Feat
ures Train, hidden = 5)
plot(Features_model2)
model results2<-compute(Features model2, Features Test[1:12])</pre>
predicted_X0.192<-model_results2$net.result</pre>
nrow(predicted X0.192)
## [1] 12945
head(predicted_X0.192)
##
                    [,1]
## 28004 0.001997766546
## 28005 0.001997766546
## 28006 0.001997766546
## 28007 0.001997766546
## 28008 0.001997766546
## 28009 0.001997766546
round(cor( predicted_X0.192,Features_Test$X0.19),2)
```

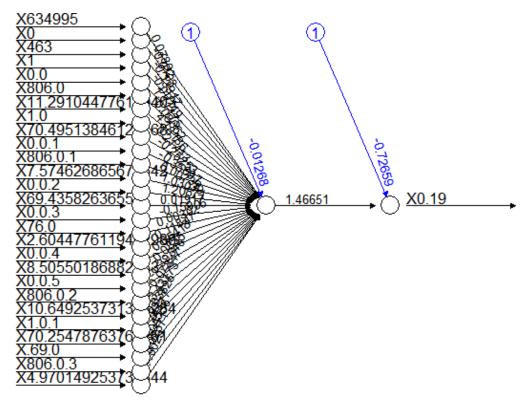
```
## [,1]
## [1,] 0.32
```

set.seed(123)

Features_model<-

 $neuralnet(X0.19\sim X634995+X0+X463+X1+X0.0+X806.0+X11.291044776119403+X1.0+X70.49513846124168+X0.0.1+X806.0.1+X7.574626865671642+X0.0.2+X69.435826365571+X0.0.3+X76.0+X2.6044776119402986+X0.0.4+X8.50550186882253+X0.0.5+X806.0.2+X10.649253731343284+X1.0.1+X70.25478763764251+X.69.0+X806.0.3+X4.970149253731344, data = Features_Train)$

plot(Features_model)



```
28006 0.002660508374

28007 0.002660508374

28008 0.002660508374

28009 0.002660508374

[,1]

[1,] 0.34
```

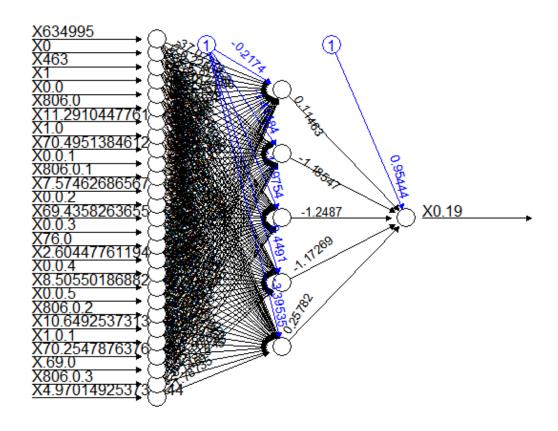
#model2

set.seed(123)

Features_model2<-

 $neuralnet(X0.19\sim X634995+X0+X463+X1+X0.0+X806.0+X11.291044776119403+X1.0+X70.49513846124168+X0.0.1+X806.0.1+X7.574626865671642+X0.0.2+X69.435826365571+X0.0.3+X76.0+X2.6044776119402986+X0.0.4+X8.50550186882253+X0.0.5+X806.0.2+X10.649253731343284+X1.0.1+X70.25478763764251+X.69.0+X806.0.3+X4.970149253731344, data = Features_Train, hidden = 5)$

plot(Features_model2)



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

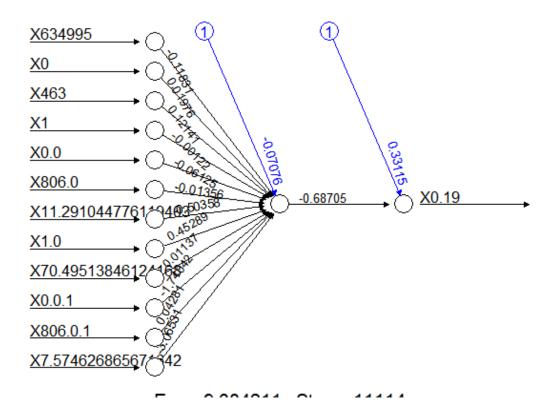
```
28007 0.002660508374
28008 0.002660508374
28009 0.002660508374
[,1]
[1,] 0.34
```

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

#Lower association model1

set.seed(123)

 $Features_model <-neuralnet(X0.19 \sim X634995 + X0 + X463 + X1 + X0.0 + X806.0 + X11.291044776119403 + X1.0 + X70.49513846124168 + X0.0.1 + X806.0.1 + X7.574626865671642, data = Features_Train) \\ plot(Features_model)$

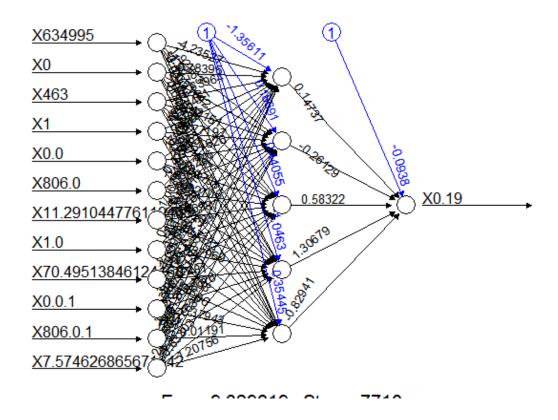


0.34 is higher and the same is better

set.seed(123)

 $Features_model2 <- neuralnet(X0.19 \sim X634995 + X0 + X463 + X1 + X0.0 + X806.0 + X11.291044776119403 + X1.0 + X70.49513846124168 + X0.0.1 + X806.0.1 + X7.574626865671642, data = Features_Train, hidden = 5)$

plot(Features_model2)



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

Given below selection provides better correlation (0.65)

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

Features_model<-neuralnet(X0_19~

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

plot(Features_model)

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

```
[1] 12945

[,1]

28004 0.001069433699

28005 0.001070214932

28006 0.001087235290

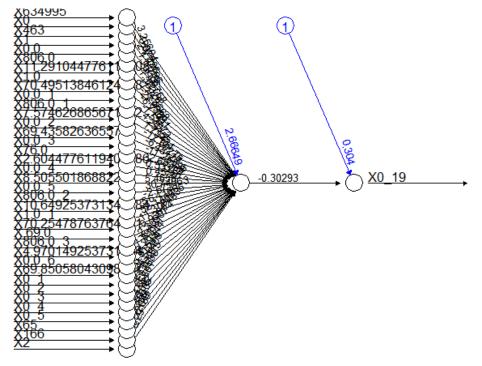
28007 0.001069451002

28008 0.001589321488

28009 0.001273782979

[,1]

[1,] 0.65
```



R Markdown

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