FE515 2022A Assignment 1

Yufu Liao

20230206

Question 1: (50 points)

1.1

Generate a vector x from 5 to 35 with increment 2, and calculate its length.

```
x = seq(5, 35, by = 2)
x
## [1] 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35
length(x)
## [1] 16
```

1.2

Use the vector x in 1.1 to generate a 4-by-4 matrix A which filled by rows.

```
A = matrix(x, nrow = 4, byrow = TRUE)
A
##
         [,1] [,2] [,3] [,4]
## [1,]
            5
                 7
                       9
## [2,]
           13
                15
                      17
                           19
## [3,]
           21
                23
                      25
                           27
## [4,]
           29
                31
                      33
                           35
```

1.3

Calculate the eigenvalues of the matrix A in 1.2.

```
eigen(A)
```

1.4

Change the 4 elements in first two rows and first two columns of the matrix A to 7. i.e. Let a11, a12, a21, a22 equal to 7.

```
A[c(1,2), c(1,2)] = 7

A
```

```
##
         [,1] [,2] [,3] [,4]
## [1,]
            7
                  7
                        9
                            11
                  7
## [2,]
            7
                      17
                            19
## [3,]
                 23
                      25
                            27
           21
## [4,]
           29
                 31
                      33
                            35
```

1.5

Calculate the determinant of A in 1.4.

```
det(A)
```

```
## [1] 256
```

1.6

Calculate the inverse of A in 1.4.

```
solve(A)
```

```
## [,1] [,2] [,3] [,4]

## [1,] 0.500 -6.278503e-16 -1.5000 1.0000

## [2,] -0.375 -1.250000e-01 1.3750 -0.8750

## [3,] -0.750 2.500000e-01 -0.4375 0.4375

## [4,] 0.625 -1.250000e-01 0.4375 -0.4375
```

1.7

Create a vector b by assigning the first row of A in 1.4 to b.

```
b = A[1,]
b
```

```
## [1] 7 7 9 11
```

1.8

Find y by solving linear equation A y = b with the A in 1.4 and b in 1.7. (Hint. y can be found by y = A-1 b where A-1 is the inverse of A.)

```
y = solve(A) %*% b
y
```

```
## [,1]
## [1,] 1.000
## [2,] -0.750
## [3,] -2.625
## [4,] 2.625
```

1.9

For each element of y in 1.8 find the minimum between its value and pi/2. Store all results into a single vector. Print the value of resulting vector.

```
v = y
v[ v < pi/2 ] = pi/2
v = c(v)
v</pre>
```

```
## [1] 1.570796 1.570796 1.570796 2.625000
```

1.10

Read the documentation for function diag and use the function to generate the following 10-by-10 square matrix.

```
diag(seq(1,10), 10, 10)
```

```
[,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]
##
##
    [1,]
              1
                   0
                          0
                               0
                                     0
                                           0
    [2,]
                    2
##
              0
                          0
                                           0
                                                 0
                                                       0
                                                             0
                                                                    0
                               0
                                     0
##
    [3,]
              0
                   0
                          3
                               0
                                     0
                                           0
                                                 0
                                                       0
                                                             0
                                                                    0
                   0
                          0
                                           0
##
    [4,]
                                     0
                                                             0
                                                                    0
##
    [5,]
              0
                   0
                         0
                                     5
                                           0
                                                 0
                                                       0
                                                             0
                                                                    0
                               0
##
    [6,]
              0
                   0
                         0
                               0
                                     0
                                           6
                                                 0
                                                             0
                                                                    0
##
              0
                         0
                                           0
                                                 7
                                                                    0
    [7,]
                   0
                               0
                                     0
                                                       0
                                                             0
##
   [8,]
              0
                   0
                         0
                               0
                                     0
                                           0
                                                       8
                                                             0
                                                                    0
## [9,]
              0
                   0
                         0
                               0
                                     0
                                           0
                                                 0
                                                       0
                                                             9
                                                                    0
## [10,]
                               0
                                                                   10
```

Question 2

Consider a Fibonacci sequence Sn = Sn-1 + Sn-2 with the initial value S0 = 0 and the value at stage 1 as S1 = 1. Please determine the values of S3 and S50.

```
fib <- c(0, 1)
i <- 2
while ( i <= 51) {
  fib <- c(fib, fib[i-1] + fib[i])
    i <- i + 1
}
print(fib[4])</pre>
```

```
## [1] 2
print(fib[51])
```

```
## [1] 12586269025
```

Question 3

Find all the integers between 1 and 100 which are divisible by both 3 and 5. Store the results into a vector. Print each element of the resulting vector.

```
v = seq(1,100)
v[v\%15 ==0]
## [1] 15 30 45 60 75 90
     [1]
            1
                2
                     3
                                  6
                                           8
                                                   10
                                                                13
                                                                         15
                                                                                  17
                                                                                      18
                              5
                                      7
                                                       11
                                                           12
                                                                    14
                                                                             16
    [19]
                   21
                        22
                            23
                                                       29
##
           19
               20
                                 24
                                     25
                                          26
                                              27
                                                   28
                                                            30
                                                                31
                                                                     32
                                                                         33
                                                                             34
                                                                                  35
                                                                                      36
##
    [37]
           37
               38
                   39
                        40
                            41
                                 42
                                     43
                                          44
                                              45
                                                   46
                                                       47
                                                            48
                                                                49
                                                                    50
                                                                         51
                                                                             52
                                                                                  53
                                                                                      54
##
    [55]
           55
               56
                   57
                        58
                            59
                                 60
                                     61
                                          62
                                              63
                                                   64
                                                       65
                                                           66
                                                                67
                                                                     68
                                                                         69
                                                                             70
                                                                                  71
                                                                                      72
##
    [73]
           73
               74
                   75
                        76
                            77
                                 78
                                     79
                                          80
                                              81
                                                   82
                                                       83
                                                           84
                                                                85
                                                                     86
                                                                             88
                                                                                  89
                                                                                      90
    [91]
           91
               92
                   93
                        94
                            95
                                 96
                                     97
                                          98
                                              99 100
```

Question 4

Create a function with input parameter n and returns a vector. The output vector contains all integers between 1 and n which are divisible by 3 and 5. Please test the function with two cases n = 100 and n = 200.

```
q4 = function(arg1){
    v = seq(1, arg1)
    v = v[ v%15 ==0]
    return(v)
}

q4(100)

## [1] 15 30 45 60 75 90
q4(200)
```

[1] 15 30 45 60 75 90 105 120 135 150 165 180 195

Question 5

Create a function with parameters a and b. In the function body, it tries to find the smallest positive number that is divisible by both a and b. Please test your function with following two cases (a = 3, b = 5) and (a = 6, b = 10).

```
q5 = function(a, b){
    i = max(a, b)

repeat{
        if(i%%a == 0 && i%%b == 0) {
            break
        }
        i = i+1
    }

return(i)
}
```

[1] 15

```
q5(<mark>6,10</mark>)
```

[1] 30

Question 6

Please find the attached JPM.csv and load this data into R. Make a subset of the loaded data frame. The subset contains open prices, closing prices and ad-justed closing prices (They are indicated by Open, Close and Adjusted). Please calculate the mean value of each column of the subset. (Hint. apply functions are better choice for this problem.)

```
data <- read.csv("./JPM.csv", encoding="UTF-8")
subset = data[c("JPM.Open", "JPM.Close", "JPM.Adjusted")]
print(subset)</pre>
```

| ## | | JPM.Open | JPM.Close | JPM.Adjusted |
|----|----|----------|-----------|--------------|
| ## | 1 | 48.00 | 48.07 | 32.52235 |
| ## | 2 | 48.05 | 48.19 | 32.60353 |
| ## | 3 | 48.17 | 47.79 | 32.33291 |
| ## | 4 | 47.57 | 47.95 | 32.44115 |
| ## | 5 | 47.90 | 47.75 | 32.30586 |
| ## | 6 | 47.47 | 48.10 | 32.54265 |
| ## | 7 | 48.00 | 48.31 | 32.68473 |
| ## | 8 | 48.10 | 47.99 | 32.46823 |
| ## | 9 | 48.16 | 48.39 | 32.73885 |
| ## | 10 | 48.65 | 48.43 | 32.76591 |
| ## | 11 | 48.05 | 48.15 | 32.57648 |
| ## | 12 | 48.30 | 48.76 | 32.98918 |
| ## | 13 | 48.87 | 49.66 | 33.59809 |
| ## | 14 | 49.57 | 49.83 | 33.71310 |
| ## | 15 | 49.68 | 50.36 | 34.07168 |
| ## | 16 | 50.24 | 50.21 | 33.97020 |
| ## | 17 | 50.00 | 49.70 | 33.62515 |
| ## | 18 | 49.57 | 49.47 | 33.46952 |
| ## | 19 | 49.70 | 50.18 | 33.94991 |
| ## | 20 | 50.07 | 50.93 | 34.45732 |
| ## | 21 | 50.96 | 51.21 | 34.64675 |
| ## | 22 | 51.22 | 50.93 | 34.45732 |
| ## | 23 | 50.81 | 50.96 | 34.47761 |
| ## | 24 | 50.85 | 51.00 | 34.50469 |
| ## | 25 | 50.84 | 51.21 | 34.64675 |
| ## | 26 | 51.06 | 50.93 | 34.45732 |
| ## | 27 | 51.02 | 50.42 | 34.11226 |
| ## | 28 | 50.59 | 50.44 | 34.12581 |
| ## | 29 | 50.35 | 50.95 | 34.47085 |
| ## | 30 | 51.09 | 51.42 | 34.78884 |
| ## | 31 | 51.05 | 51.21 | 34.64675 |
| ## | 32 | 51.16 | 51.25 | 34.67382 |
| ## | 33 | 51.15 | 51.63 | 34.93092 |
| ## | 34 | 51.45 | 51.65 | 34.94445 |
| ## | 35 | 51.80 | 51.64 | 34.93768 |
| ## | 36 | 51.55 | 51.03 | 34.52497 |
| ## | 37 | 51.17 | 50.81 | 34.37613 |
| ## | 38 | 50.61 | 49.22 | 33.30040 |

| ## | 39 | 49.07 | 49.39 | 33.41540 |
|----|----------------|-------|-------|----------|
| ## | 40 | 48.98 | 49.20 | 33.28687 |
| ## | 41 | 48.95 | 48.19 | 32.60353 |
| ## | 42 | 47.60 | 47.54 | 32.16377 |
| ## | 43 | 47.97 | 48.52 | 32.82680 |
| ## | 44 | 48.69 | 48.36 | 32.71856 |
| | | | | |
| ## | 45 | 48.79 | 48.74 | 32.97566 |
| ## | 46 | 49.12 | 48.82 | 33.02977 |
| ## | 47 | 48.64 | 48.84 | 33.04331 |
| ## | 48 | 48.45 | 46.70 | 31.59547 |
| ## | 49 | 46.72 | 47.30 | 32.00139 |
| ## | 50 | 47.14 | 47.70 | 32.27203 |
| ## | 51 | 47.62 | 47.03 | 31.81873 |
| ## | 52 | 47.20 | 47.58 | 32.19083 |
| ## | 53 | 47.51 | 47.75 | 32.30586 |
| ## | 54 | 47.81 | 49.05 | 33.18538 |
| ## | 55 | 49.06 | 48.47 | 32.79298 |
| ## | 56 | 48.59 | 48.52 | 32.82680 |
| ## | 57 | 48.55 | 48.70 | 32.94859 |
| ## | 58 | 48.59 | 48.57 | 32.86063 |
| ## | 59 | 48.29 | 47.99 | 32.46823 |
| ## | 60 | 48.24 | 48.50 | 32.81327 |
| | | | | |
| ## | 61 | 48.61 | 48.38 | 32.73210 |
| ## | 62 | 48.38 | 48.24 | 32.63736 |
| ## | 63 | 48.25 | 48.56 | 33.08705 |
| ## | 64 | 48.56 | 48.56 | 33.08705 |
| ## | 65 | 48.35 | 48.77 | 33.23015 |
| ## | 66 | 48.78 | 49.00 | 33.38688 |
| ## | 67 | 49.01 | 49.24 | 33.55039 |
| ## | 68 | 49.10 | 49.15 | 33.48907 |
| ## | 69 | 49.52 | 49.20 | 33.52314 |
| ## | 70 | 49.45 | 49.09 | 33.44818 |
| ## | 71 | 49.47 | 49.97 | 34.04779 |
| ## | 72 | 49.97 | 50.18 | 34.19088 |
| ## | 73 | 51.57 | 52.07 | 35.47865 |
| ## | 74 | 52.03 | 52.09 | 35.49228 |
| ## | 7 5 | 52.65 | 52.54 | 35.79890 |
| | | | | |
| ## | 76 77 | 52.35 | 52.28 | 35.62174 |
| ## | 77 | 52.06 | 52.16 | 35.53998 |
| ## | 78 | 52.24 | 52.82 | 35.98968 |
| ## | 79 | 52.77 | 52.94 | 36.07144 |
| ## | 80 | 52.77 | 52.55 | 35.80572 |
| ## | 81 | 52.46 | 52.10 | 35.49910 |
| ## | 82 | 52.40 | 52.26 | 35.60812 |
| ## | 83 | 52.00 | 52.55 | 35.80572 |
| ## | 84 | 52.83 | 52.70 | 35.90791 |
| ## | 85 | 52.80 | 52.63 | 35.86023 |
| ## | 86 | 52.81 | 52.73 | 35.92836 |
| ## | 87 | 52.48 | 52.45 | 35.73757 |
| ## | 88 | 52.55 | 53.20 | 36.24860 |
| ## | 89 | | | |
| | | 52.79 | 52.00 | 35.43097 |
| ## | 90 | 52.12 | 52.15 | 35.53316 |
| ## | 91 | 52.00 | 51.83 | 35.31513 |
| ## | 92 | 52.09 | 52.03 | 35.45141 |

| ## 93 | 52.37 | 52.98 | 36.09870 |
|--------|-------|-------|-----------|
| ## 94 | 52.78 | 52.56 | 35.81252 |
| ## 95 | 52.62 | 52.54 | 35.79890 |
| ## 96 | 52.38 | 52.56 | 35.81252 |
| ## 97 | 52.56 | 52.29 | 35.62856 |
| ## 98 | 52.33 | 51.99 | 35.42415 |
| ## 99 | 52.00 | 51.59 | 35.15161 |
| ## 100 | 51.53 | 51.64 | 35.18566 |
| ## 101 | 51.65 | 51.82 | 35.30832 |
| ## 102 | 51.43 | 52.06 | 35.47185 |
| ## 103 | 52.25 | 51.83 | 35.31513 |
| ## 104 | 51.92 | 51.90 | 35.36282 |
| ## 105 | 51.56 | 51.57 | 35.13798 |
| ## 106 | 51.24 | 51.22 | 34.89949 |
| ## 107 | 51.23 | 50.56 | 34.44979 |
| ## 108 | 50.30 | 49.82 | 33.94558 |
| ## 109 | 49.83 | 50.41 | 34.34759 |
| ## 110 | 50.41 | 50.43 | 34.36122 |
| ## 111 | 50.22 | 49.35 | 33.62534 |
| ## 112 | 49.63 | 50.29 | 34.26582 |
| ## 113 | 49.93 | 50.32 | 34.28627 |
| ## 114 | 50.64 | 50.56 | 34.44979 |
| ## 115 | 50.83 | 50.43 | 34.36122 |
| ## 116 | 50.44 | 50.85 | 34.64739 |
| ## 117 | 50.91 | 49.46 | 33.70030 |
| ## 118 | 49.69 | 49.84 | 33.95922 |
| ## 119 | 49.56 | 48.72 | 33.19608 |
| ## 120 | 48.72 | 48.36 | 32.95078 |
| ## 121 | 48.45 | 48.60 | 33.11432 |
| ## 122 | 48.26 | 49.24 | 33.55039 |
| ## 123 | 49.25 | 48.96 | 33.35960 |
| ## 124 | 49.23 | 48.45 | 33.01212 |
| ## 125 | 48.90 | 49.15 | 33.48907 |
| ## 126 | 49.19 | 49.34 | 33.88047 |
| ## 127 | 49.10 | 48.79 | 33.50280 |
| ## 128 | 48.62 | 48.97 | 33.62640 |
| ## 129 | 49.21 | 48.79 | 33.50280 |
| ## 130 | 48.30 | 47.51 | 32.62387 |
| ## 131 | 47.52 | 48.13 | 33.04961 |
| ## 132 | 48.69 | 49.53 | 34.01094 |
| ## 133 | 49.68 | 50.05 | 34.36802 |
| ## 134 | 49.91 | 49.83 | 34.21695 |
| ## 135 | 49.95 | 49.92 | 34.27876 |
| ## 136 | 48.81 | 48.88 | 33.56461 |
| ## 137 | 49.50 | 48.62 | 33.38607 |
| ## 138 | 48.81 | 47.56 | 32.65819 |
| ## 139 | 47.75 | 47.15 | 32.37665 |
| ## 140 | 46.63 | 45.34 | 31.13378 |
| ## 141 | 45.67 | 45.27 | 31.13576 |
| ## 142 | 44.30 | 44.08 | 30.26857 |
| ## 143 | 44.09 | 44.23 | 30.37157 |
| ## 143 | 44.75 | 44.25 | 30.72864 |
| ## 145 | 45.07 | 44.01 | 30.22050 |
| ## 146 | 43.70 | 44.38 | 30.47458 |
| 110 | 10.10 | 11.00 | 55.11.400 |

| ## | 147 | 44.41 | 44.59 | 30.61878 |
|-----|-----|-------|-------|----------|
| ## | 148 | 44.60 | 43.65 | 29.97329 |
| ## | 149 | 43.76 | 45.11 | 30.97584 |
| ## | 150 | 44.99 | 45.34 | 31.13378 |
| ## | 151 | 45.75 | 46.51 | 31.93718 |
| ## | 152 | 45.04 | 44.17 | 30.33036 |
| ## | 153 | 43.36 | 44.25 | 30.38530 |
| ## | 154 | 45.23 | 43.83 | 30.09691 |
| ## | 155 | 43.94 | 43.30 | 29.73295 |
| ## | 156 | 43.13 | 43.00 | 29.52697 |
| ## | 157 | 42.75 | 45.47 | 31.22304 |
| ## | 158 | 48.08 | 47.01 | 32.28052 |
| ## | 159 | 47.17 | 46.49 | 31.92346 |
| ## | 160 | 46.12 | 46.20 | 31.72431 |
| ## | 161 | 46.67 | 46.00 | 31.58698 |
| ## | 162 | 46.45 | 45.67 | 31.36039 |
| ## | 163 | 45.50 | 45.95 | 31.55264 |
| ## | 164 | 45.75 | 44.91 | 30.83851 |
| ## | 165 | 44.48 | 43.60 | 29.93898 |
| ## | 166 | 43.88 | 44.13 | 30.30291 |
| ## | 167 | 43.64 | 43.97 | 30.19304 |
| ## | 168 | 45.00 | 44.52 | 30.57071 |
| ## | 169 | 44.40 | 45.30 | 31.10631 |
| ## | 170 | 44.83 | 44.17 | 30.33036 |
| ## | 171 | 44.24 | 44.21 | 30.35784 |
| ## | 172 | 43.27 | 43.52 | 29.88404 |
| ## | 173 | 43.75 | 43.93 | 30.16557 |
| ## | 174 | 43.96 | 44.54 | 30.58443 |
| ## | 175 | 44.50 | 44.47 | 30.53638 |
| ## | 176 | 44.42 | 45.60 | 31.31232 |
| ## | 177 | 45.23 | 45.54 | 31.27111 |
| ## | 178 | 45.39 | 45.29 | 31.09944 |
| ## | 179 | 45.68 | 47.82 | 32.83673 |
| ## | 180 | 47.97 | 47.57 | 32.66505 |
| ## | 181 | 47.62 | 46.96 | 32.24620 |
| ## | 182 | 47.50 | 47.13 | 32.36292 |
| ## | 183 | 47.20 | 46.34 | 31.82046 |
| ## | 184 | 46.25 | 46.10 | 31.65565 |
| ## | 185 | 46.26 | 46.13 | 31.67626 |
| ## | 186 | 46.20 | 46.21 | 31.73119 |
| ## | 187 | 46.05 | 45.82 | 31.46338 |
| ## | 188 | 45.47 | 46.81 | 32.14319 |
| ## | 189 | 46.99 | 47.16 | 32.38352 |
| ## | 190 | 46.71 | 47.00 | 32.53582 |
| ## | 191 | 47.20 | 47.25 | 32.70888 |
| ## | 192 | 47.45 | 47.58 | 32.93733 |
| ## | 193 | 47.31 | 47.44 | 32.84041 |
| ## | 194 | 47.59 | 47.57 | 32.93041 |
| ## | 195 | 47.47 | 46.91 | 32.47352 |
| ## | 196 | 47.01 | 46.66 | 32.30046 |
| ## | 197 | 46.67 | 46.82 | 32.41121 |
| ## | 198 | 46.77 | 46.27 | 32.03047 |
| ## | 199 | 46.00 | 45.11 | 31.22747 |
| ## | 200 | 47.04 | 46.37 | 32.09971 |
| ıτπ | 200 | 11.01 | 10.01 | J2.00011 |

| ## | 201 | 46.10 | 45.90 | 31.77435 |
|------|------------|----------------|----------------|----------|
| ## | 202 | 45.79 | 45.02 | 31.16517 |
| ## | 203 | 44.90 | 45.37 | 31.40745 |
| ## | 204 | 45.92 | 45.94 | 31.80204 |
| ## : | 205 | 45.73 | 46.27 | 32.03047 |
| | 206 | 46.10 | 46.05 | 31.87818 |
| | 207 | 46.96 | 47.32 | 32.75734 |
| | 208 | 47.39 | 46.67 | 32.30738 |
| | 209 | 46.40 | 46.56 | 32.23123 |
| | 210 | 46.95 | 47.00 | 32.53582 |
| | 211 | 45.65 | 44.32 | 30.68059 |
| | 212 | 44.45 | 43.15 | 29.87065 |
| | 213 | 42.69 | 42.77 | 29.60760 |
| | 214 | 42.69 | 44.11 | 30.53522 |
| | 215 | 42.93 | 42.24 | 29.24070 |
| | 216 | 42.51 | 42.61 | 29.49683 |
| | 217 | 41.40 | 42.31 | 29.28917 |
| | 218 | 42.11 | 42.39 | 29.34454 |
| | 210 219 | 43.30 | 45.05 | 31.18594 |
| | 219 | 45.90 | 45.15 | 31.25516 |
| | 220 221 | | | 30.13370 |
| | 221 222 | 44.60 43.74 | 43.53 43.09 | 29.82912 |
| | 222 223 | | | |
| | 223 224 | 42.70 | 41.37 | 28.63844 |
| | | 41.37 | 41.63 | 28.81843 |
| | 225 | 40.81 | 40.68 | 28.16079 |
| | 226 | 41.50 | 41.95 | 29.03996 |
| | 227 | 41.87 | 40.46 | 28.00849 |
| | 228 | 40.92 | 42.35 | 29.31686 |
| | 229 | 42.73 | 43.96 | 30.43140 |
| | 230 | 43.38 | 43.65 | 30.21678 |
| | 231 | 45.38 | 45.62 | 31.58051 |
| | 232 | 45.90 | 45.21 | 31.29668 |
| | 233 | 44.32 | 44.15 | 30.56290 |
| | 234 | 44.54 | 44.90 | 31.08209 |
| | 235 | 44.88 | 46.21 | 31.98895 |
| | 236 | 46.21 | 46.08 | 31.89896 |
| | 237 | 46.80 | 47.42 | 32.82657 |
| | 238 | 47.11 | 45.94 | 31.80204 |
| | 239 | 47.03 | 46.15 | 31.94740 |
| | 240 | 45.83 | 45.76 | 31.67743 |
| | 241 | 45.24 | 45.20 | 31.28976 |
| | 242 | 44.82 | 44.53 | 30.82596 |
| | 243 | 44.77 | 43.90 | 30.38984 |
| | 244 | 43.90 | 43.98 | 30.44523 |
| | 245 | 44.33 | 43.33 | 29.99527 |
| | 246 | 43.92 | 44.11 | 30.53522 |
| | 247 | 44.14 | 44.83 | 31.03364 |
| | 248 | 44.72 | 44.94 | 31.10978 |
| | 249 | 44.60 | 43.64 | 30.20985 |
| | 250 | 44.19 | 43.26 | 29.94680 |
| ## | 251 | 43.07 | 43.65 | 30.21678 |
| | 252 | 43.55 | 42.17 | 29.44861 |
| ## | 253 | 42.34 | 41.88 | 29.24610 |
| ## | 254 | 41.41 | 40.93 | 28.58269 |
| | | | | |

| ## | 255 | 41.10 | 41.34 | 28.86900 |
|----|-----|-------|-------|----------|
| ## | 256 | 41.46 | 39.70 | 27.72373 |
| ## | 257 | 39.59 | 40.26 | 28.11481 |
| ## | 258 | 39.77 | 41.33 | 28.86202 |
| ## | 259 | 40.88 | 40.86 | 28.53382 |
| | | | | 28.88297 |
| ## | 260 | 41.27 | 41.36 | |
| ## | 261 | 40.73 | 39.17 | 27.35363 |
| ## | 262 | 40.46 | 41.43 | 28.93184 |
| ## | 263 | 41.57 | 40.04 | 27.96117 |
| ## | 264 | 40.24 | 39.59 | 27.64691 |
| ## | 265 | 37.66 | 40.86 | 28.53382 |
| ## | 266 | 40.40 | 45.72 | 31.92768 |
| ## | 267 | 45.83 | 44.96 | 31.39695 |
| ## | 268 | 45.67 | 43.64 | 30.47515 |
| ## | 269 | 43.79 | 45.57 | 31.82294 |
| ## | 270 | 45.73 | 47.45 | 33.13580 |
| | | | | |
| ## | 271 | 47.10 | 47.35 | 33.06598 |
| ## | 272 | 46.41 | 47.40 | 33.10089 |
| ## | 273 | 47.26 | 48.25 | 33.69446 |
| ## | 274 | 47.83 | 46.22 | 32.27686 |
| ## | 275 | 45.05 | 43.89 | 30.64975 |
| ## | 276 | 44.27 | 43.72 | 30.53104 |
| ## | 277 | 43.39 | 45.11 | 31.50171 |
| ## | 278 | 44.96 | 43.82 | 30.60085 |
| ## | 279 | 43.89 | 43.35 | 30.27264 |
| ## | 280 | 43.66 | 43.31 | 30.24472 |
| ## | 281 | 43.55 | 44.10 | 30.79640 |
| ## | 282 | 44.05 | 42.61 | 29.75588 |
| ## | 283 | | | 30.20281 |
| | | 42.41 | 43.25 | |
| ## | 284 | 43.54 | 42.83 | 29.90951 |
| ## | 285 | 42.37 | 43.15 | 30.13298 |
| ## | 286 | 43.14 | 43.07 | 30.07712 |
| ## | 287 | 43.06 | 43.93 | 30.67768 |
| ## | 288 | 43.43 | 44.03 | 30.74751 |
| ## | 289 | 43.73 | 43.72 | 30.53104 |
| ## | 290 | 43.07 | 44.41 | 31.01288 |
| ## | 291 | 44.00 | 42.44 | 29.63716 |
| ## | 292 | 41.88 | 40.65 | 28.38716 |
| ## | 293 | 40.55 | 39.82 | 27.80753 |
| ## | 294 | 39.37 | 39.19 | 27.36759 |
| ## | 295 | 39.36 | 38.74 | 27.05335 |
| ## | 296 | 38.18 | 37.37 | 26.09663 |
| | | | | |
| ## | 297 | 36.89 | 37.56 | 26.22931 |
| ## | 298 | 37.73 | 36.48 | 25.47512 |
| ## | 299 | 38.48 | 38.84 | 27.12318 |
| ## | 300 | 38.85 | 38.61 | 26.96257 |
| ## | 301 | 37.84 | 38.11 | 26.61338 |
| ## | 302 | 38.80 | 36.54 | 25.51701 |
| ## | 303 | 37.00 | 40.31 | 28.14972 |
| ## | 304 | 42.19 | 42.71 | 29.82571 |
| ## | 305 | 43.26 | 42.47 | 29.65812 |
| ## | 306 | 42.91 | 45.97 | 32.10229 |
| ## | 307 | 45.42 | 46.55 | 32.50731 |
| ## | 308 | 46.02 | 46.06 | 32.16512 |
| | | | | |

| ## | 309 | 45.27 | 44.11 | 30.80338 |
|----|-----|-------|-------|----------|
| ## | 310 | 44.22 | 42.86 | 29.93048 |
| ## | 311 | 43.20 | 42.71 | 29.82571 |
| ## | 312 | 42.71 | 42.95 | 29.99332 |
| | | | | |
| ## | 313 | 45.13 | 47.00 | 32.82155 |
| ## | 314 | 47.08 | 46.24 | 32.55404 |
| ## | 315 | 45.37 | 46.28 | 32.58219 |
| ## | 316 | 45.85 | 45.57 | 32.08232 |
| ## | 317 | 46.43 | 45.54 | 32.06120 |
| | | | | |
| ## | 318 | 45.24 | 44.86 | 31.58248 |
| ## | 319 | 45.18 | 44.30 | 31.18823 |
| ## | 320 | 44.20 | 43.86 | 30.87845 |
| ## | 321 | 43.32 | 42.53 | 29.94209 |
| ## | 322 | 42.40 | 41.50 | 29.21696 |
| ## | 323 | 42.18 | 42.12 | 29.65344 |
| | | | | |
| ## | 324 | 43.53 | 44.96 | 31.65286 |
| ## | 325 | 44.34 | 45.12 | 31.76552 |
| ## | 326 | 46.33 | 45.76 | 32.21610 |
| ## | 327 | 45.29 | 45.23 | 31.84296 |
| ## | 328 | 44.96 | 45.65 | 32.13865 |
| ## | 329 | 45.41 | 45.15 | 31.78663 |
| | | | | |
| ## | 330 | 45.37 | 46.97 | 33.06796 |
| ## | 331 | 47.29 | 47.79 | 33.64527 |
| ## | 332 | 47.67 | 47.34 | 33.32845 |
| ## | 333 | 47.34 | 47.08 | 33.14541 |
| ## | 334 | 47.25 | 47.65 | 33.54670 |
| ## | 335 | 47.68 | 49.25 | 34.67313 |
| ## | 336 | 49.90 | 48.66 | 34.25775 |
| | | | | |
| ## | 337 | 48.32 | 48.00 | 33.79311 |
| ## | 338 | 47.34 | 48.20 | 33.93391 |
| ## | 339 | 48.22 | 46.57 | 32.78635 |
| ## | 340 | 46.98 | 46.05 | 32.42026 |
| ## | 341 | 45.75 | 46.57 | 32.78635 |
| ## | 342 | 46.82 | 47.24 | 33.25805 |
| | | | | |
| ## | 343 | 47.04 | 45.48 | 32.01898 |
| ## | 344 | 46.00 | 45.91 | 32.32170 |
| ## | 345 | 46.05 | 47.02 | 33.10318 |
| ## | 346 | 47.32 | 46.53 | 32.75820 |
| ## | 347 | 46.55 | 45.99 | 32.37801 |
| ## | 348 | 45.66 | 43.70 | 30.76581 |
| ## | | 43.80 | 42.42 | 29.86466 |
| | 349 | | | |
| ## | 350 | 42.40 | 43.05 | 30.30817 |
| ## | 351 | 42.72 | 42.32 | 29.79425 |
| ## | 352 | 42.40 | 43.01 | 30.28004 |
| ## | 353 | 43.39 | 42.86 | 30.17444 |
| ## | 354 | 42.69 | 43.57 | 30.67428 |
| ## | 355 | 43.96 | 43.00 | 30.27300 |
| | | | | |
| ## | 356 | 42.63 | 42.15 | 29.67457 |
| ## | 357 | 42.53 | 41.89 | 29.49153 |
| ## | 358 | 41.74 | 41.63 | 29.30848 |
| ## | 359 | 41.90 | 42.10 | 29.63936 |
| ## | 360 | 41.79 | 40.09 | 28.22428 |
| ## | 361 | 40.32 | 37.51 | 26.40791 |
| ## | 362 | 37.23 | 38.29 | 26.95704 |
| ## | JUZ | 01.23 | 50.23 | 20.93704 |

| ## | 363 | 38.50 | 37.13 | 26.14037 |
|----|-----|-------|-------|----------|
| ## | 364 | 37.71 | 38.01 | 26.75992 |
| ## | 365 | 38.39 | 39.58 | 27.86523 |
| ## | 366 | 39.48 | 39.94 | 28.11869 |
| ## | 367 | 40.36 | 39.04 | 27.48506 |
| ## | 368 | 38.53 | 38.74 | 27.27386 |
| ## | 369 | 38.79 | 38.65 | 27.21050 |
| | | | | |
| ## | 370 | 37.69 | 37.86 | 26.65431 |
| ## | 371 | 37.99 | 36.87 | 25.95734 |
| ## | 372 | 36.81 | 37.72 | 26.55575 |
| ## | 373 | 37.94 | 37.91 | 26.68952 |
| ## | 374 | 37.16 | 36.32 | 25.57011 |
| ## | 375 | 36.45 | 35.05 | 24.67600 |
| ## | 376 | 34.86 | 34.31 | 24.15504 |
| ## | 377 | 33.69 | 34.02 | 24.21911 |
| ## | 378 | 34.36 | 34.60 | 24.63200 |
| ## | 379 | 35.12 | 35.31 | 25.13746 |
| ## | 380 | 35.50 | 34.04 | 24.23334 |
| ## | 381 | 34.30 | 35.77 | 25.46495 |
| | | | | |
| ## | 382 | 35.74 | 34.28 | 24.40419 |
| ## | 383 | 34.00 | 34.51 | 24.56793 |
| ## | 384 | 33.38 | 33.16 | 23.60686 |
| ## | 385 | 34.19 | 31.69 | 22.56036 |
| ## | 386 | 30.73 | 31.02 | 22.08338 |
| ## | 387 | 32.30 | 35.94 | 25.58597 |
| ## | 388 | 38.05 | 40.80 | 29.04585 |
| ## | 389 | 41.20 | 40.02 | 28.49055 |
| ## | 390 | 40.34 | 38.65 | 27.51524 |
| ## | 391 | 38.16 | 40.86 | 29.08855 |
| ## | 392 | 40.91 | 41.96 | 29.87165 |
| ## | 393 | 42.06 | 39.14 | 27.86407 |
| ## | 394 | 39.17 | 39.52 | 28.13460 |
| | 395 | | | |
| ## | | 39.41 | 37.66 | 26.81045 |
| ## | 396 | 37.94 | 40.75 | 29.01024 |
| ## | 397 | 41.41 | 41.57 | 29.59401 |
| ## | 398 | 40.63 | 40.63 | 28.92482 |
| ## | 399 | 41.11 | 40.76 | 29.01736 |
| ## | 400 | 40.14 | 40.14 | 28.57597 |
| ## | 401 | 41.27 | 41.89 | 29.82181 |
| ## | 402 | 41.35 | 41.39 | 29.46587 |
| ## | 403 | 40.68 | 39.81 | 28.34105 |
| ## | 404 | 39.51 | 41.07 | 29.23805 |
| ## | 405 | 40.79 | 41.89 | 29.82181 |
| ## | 406 | 40.99 | 37.92 | 26.99554 |
| ## | 407 | 37.64 | 36.91 | 26.27651 |
| ## | | | | |
| | 408 | 36.59 | 37.81 | 26.91724 |
| ## | 409 | 38.05 | 38.07 | 27.10234 |
| ## | 410 | 37.92 | 36.74 | 26.15548 |
| ## | 411 | 36.01 | 35.58 | 25.32968 |
| ## | 412 | 35.52 | 37.00 | 26.34060 |
| ## | 413 | 36.18 | 36.26 | 25.81377 |
| ## | 414 | 37.22 | 37.67 | 26.81756 |
| ## | 415 | 37.40 | 36.13 | 25.72123 |
| ## | 416 | 36.17 | 36.61 | 26.06295 |
| | | | | |

| ## | 417 | 36.55 | 37.14 | 26.44025 |
|----------|------------|----------------|----------------|----------------------|
| ## | 418 | 37.66 | 38.88 | 27.67898 |
| ## | 419 | 38.51 | 38.49 | 27.40134 |
| ## | 420 | 39.56 | 38.99 | 27.75728 |
| ## | 421 | 38.91 | 39.71 | 28.26986 |
| ## | 422 | 39.30 | 37.91 | 26.98843 |
| ## | 423 | 37.50 | 39.60 | 28.19154 |
| ## | 424 | 42.39 | 41.55 | 29.57976 |
| ## | 425 | 40.81 | 39.47 | 28.09900 |
| ## | 426 | 39.99 | 39.40 | 28.04916 |
| ## | 427 | 38.25 | 41.65 | 29.65097 |
| ## | 428 | 40.84 | 41.17 | 29.30924 |
| ## | 429 | 38.39 | 37.00 | 26.34060 |
| ## | 430 | 35.58 | 40.74 | 29.00313 |
| ## | 431 | 39.08 | 35.77 | 25.46495 |
| ## | 432 | 36.53 | 40.30 | 28.68989 |
| ## | 433 | 47.00 | 47.05 | 33.49527 |
| ## | 434 | 45.69 | 40.80 | 29.04585 |
| ## | 435 | 40.55 | 40.56 | 28.87498 |
| ## | 436 | 41.50 | 40.50 | 28.83227 |
| ## | 437 | 42.25 | 43.46 | 30.93950 |
| ## | 438 | 40.55 | 48.24 | 34.34244 |
| ## | 439 | 46.58 | 41.00 | 29.18822 |
| ## | 440 | 44.63 | 46.70 | 33.24608 |
| ## | 441 | 46.91 | 49.63 | 35.33197 |
| ## | 442 | 49.25 | 49.85 | 35.76241 |
| ## | 443 | 50.31 | 45.90 | 32.92870 |
| ## | 444 | 43.49 | 44.00 | 31.56563 |
| ## | 445 | 45.43 | 39.32 | 28.20819 |
| ## | 446 | 38.93 | 39.30 | 28.19385 |
| ## | 447 | 41.03 | 36.68 | 26.31425 |
| ## | 448 | 35.03 | 41.64 | 29.87256 |
| ## | 449 | 43.91 | 41.99 | 30.12365 |
| ## | 450 | 43.33 | 40.71 | 29.20537 |
| ## | 451 | 39.33 | 38.49 | 27.61276 |
| ## | 452 | 39.02 | 40.49 | 29.04756 |
| ## | 453 | 39.63 | 39.33 | 28.21537 |
| ## | 454 | 40.01 | 40.66 | 29.16951 |
| ## | 455 | 39.92 | 39.74 | 28.50950 |
| ## | 456 | 39.15 | 37.17 | 26.66578 |
| ## | 457 | 37.36 | 37.85 | 27.15362 |
| ## ## | 458 450 | 35.12 35.10 | 35.43 34.00 | 25.41751 |
| ## | 459 460 | 34.95 | 37.60 | 24.39162 26.97426 |
| ## | 461 | 37.11 | 35.71 | 25.61838 |
| ## | 462 | 36.89 | 37.62 | 26.98861 |
| ## | 463 | 37.29 | 41.25 | 29.59277 |
| ## | 464 | 41.25 | 41.25 | 29.59277 |
| ## | 465 | 41.25 | 40.73 | 30.25278 |
| ## | 466 | 41.73 | 39.22 | 28.13646 |
| ## | 467 | 38.96 | 38.26 | 27.44773 |
| ## | 468 | 38.23 | 37.75 | 27.08187 |
| ## | 469 | 38.28 | 36.41 | 26.12056 |
| ## | 470 | 35.82 | 36.35 | 26.07751 |
| | | - | | |

| ## | 471 | 35.42 | 34.57 | 24.80054 |
|----|-----|-------|-------|----------|
| ## | 472 | 34.65 | 37.19 | 26.68014 |
| ## | 473 | 36.33 | 34.47 | 24.72881 |
| ## | 474 | 33.82 | 32.77 | 23.50922 |
| ## | 475 | 32.76 | 32.14 | 23.05726 |
| | | | 28.47 | 20.42440 |
| ## | 476 | 31.69 | | |
| ## | 477 | 27.74 | 23.38 | 16.77283 |
| ## | 478 | 23.74 | 22.72 | 16.29934 |
| ## | 479 | 23.92 | 27.58 | 19.78591 |
| ## | 480 | 29.63 | 29.77 | 21.35702 |
| ## | 481 | 28.76 | 30.62 | 21.96681 |
| ## | 482 | 30.36 | 31.66 | 22.71290 |
| ## | 483 | 30.67 | 26.12 | 18.73851 |
| ## | 484 | 26.54 | 28.53 | 20.46744 |
| ## | 485 | 27.44 | 30.25 | 21.70137 |
| | | | | |
| ## | 486 | 29.84 | 31.08 | 22.29681 |
| ## | 487 | 30.41 | 33.35 | 23.92531 |
| ## | 488 | 33.97 | 36.49 | 26.17795 |
| ## | 489 | 35.67 | 33.96 | 24.36293 |
| ## | 490 | 34.40 | 33.52 | 24.04727 |
| ## | 491 | 32.60 | 29.94 | 21.47898 |
| ## | 492 | 28.44 | 30.94 | 22.19637 |
| ## | 493 | 29.34 | 28.63 | 20.53918 |
| ## | 494 | 29.01 | 32.35 | 23.20791 |
| ## | 495 | 31.50 | 31.86 | 22.85638 |
| ## | 496 | 32.16 | 30.21 | 21.67267 |
| ## | 490 | | | |
| | | 30.11 | 30.32 | 21.75159 |
| ## | 498 | 30.64 | 29.82 | 21.39289 |
| ## | 499 | 30.23 | 29.11 | 20.88354 |
| ## | 500 | 28.65 | 29.85 | 21.41440 |
| ## | 501 | 30.05 | 29.80 | 21.37854 |
| ## | 502 | 29.99 | 29.78 | 21.36419 |
| ## | 503 | 29.89 | 31.01 | 22.24659 |
| ## | 504 | 30.70 | 31.53 | 22.61964 |
| ## | 505 | 31.19 | 31.35 | 22.76487 |
| ## | 506 | 30.73 | 29.25 | 21.23995 |
| ## | 507 | 29.79 | 29.88 | 21.69743 |
| ## | 508 | 29.15 | 28.09 | 20.39761 |
| ## | 509 | 27.90 | 27.22 | 19.76586 |
| ## | | | | |
| | 510 | 27.55 | 25.97 | 18.85817 |
| ## | 511 | 25.92 | 24.91 | 18.08845 |
| ## | 512 | 25.21 | 26.35 | 19.13412 |
| ## | 513 | 25.59 | 25.91 | 18.81460 |
| ## | 514 | 26.54 | 24.34 | 17.67455 |
| ## | 515 | 24.83 | 22.82 | 16.57080 |
| ## | 516 | 21.00 | 18.09 | 13.13609 |
| ## | 517 | 19.29 | 22.63 | 16.43282 |
| ## | 518 | 22.36 | 23.10 | 16.77412 |
| ## | 519 | 21.92 | 24.28 | 17.63098 |
| ## | 520 | 25.00 | 24.50 | 17.79072 |
| ## | 521 | 25.12 | 25.06 | 18.19737 |
| ## | 522 | 27.19 | 27.66 | 20.08538 |
| | | | | 18.46606 |
| ## | 523 | 26.74 | 25.43 | |
| ## | 524 | 25.81 | 25.51 | 18.52415 |

| ## | 525 | 25.00 | 25.20 | 18.29903 |
|----|-----|-------|-------|----------|
| ## | 526 | 25.03 | 24.05 | 17.46396 |
| ## | 527 | 24.25 | 24.04 | 17.45670 |
| ## | 528 | 23.74 | 24.54 | 17.81977 |
| ## | 529 | 25.51 | 27.63 | 20.06358 |
| ## | 530 | 26.65 | 27.28 | 19.80944 |
| ## | 531 | 26.86 | 24.62 | 17.87787 |
| ## | 532 | 25.25 | 26.09 | 18.94532 |
| | | | | |
| ## | 533 | 25.35 | 26.19 | 19.01793 |
| ## | 534 | 25.25 | 24.69 | 17.92870 |
| ## | 535 | 22.80 | 21.65 | 15.72119 |
| ## | 536 | 22.18 | 21.51 | 15.61954 |
| ## | 537 | 22.07 | 20.60 | 14.95874 |
| ## | 538 | 19.71 | 19.90 | 14.45043 |
| ## | 539 | 20.90 | 19.51 | 14.16723 |
| ## | 540 | 20.13 | 21.02 | 15.26372 |
| ## | 541 | 20.83 | 21.73 | 15.77929 |
| ## | 542 | 23.32 | 23.05 | 16.73781 |
| ## | 543 | 21.63 | 22.85 | 16.59258 |
| ## | 544 | 21.70 | 21.16 | 15.36538 |
| ## | 545 | 21.68 | 21.01 | 15.25645 |
| ## | 546 | 21.74 | 19.30 | 14.01473 |
| ## | 547 | 18.50 | 16.60 | 12.05413 |
| ## | 548 | 17.19 | 15.93 | 11.56760 |
| ## | 549 | 15.37 | 15.90 | 11.54582 |
| | 550 | | | |
| ## | | 17.35 | 19.50 | 14.15997 |
| ## | 551 | 20.35 | 20.40 | 14.81350 |
| ## | 552 | 20.15 | 23.20 | 16.84673 |
| ## | 553 | 23.59 | 23.75 | 17.24612 |
| ## | 554 | 24.31 | 23.09 | 16.76685 |
| ## | 555 | 23.30 | 25.14 | 18.25547 |
| ## | 556 | 24.82 | 27.11 | 19.68599 |
| ## | 557 | 27.25 | 24.95 | 18.11750 |
| ## | 558 | 24.66 | 23.15 | 16.81043 |
| ## | 559 | 25.30 | 28.86 | 20.95675 |
| ## | 560 | 28.05 | 26.40 | 19.17042 |
| ## | 561 | 27.19 | 28.56 | 20.73891 |
| ## | 562 | 29.05 | 29.10 | 21.13103 |
| ## | 563 | 28.27 | 27.40 | 19.89657 |
| ## | 564 | 25.67 | 24.85 | 18.04489 |
| ## | 565 | 25.73 | 26.58 | 19.30113 |
| | | | | |
| ## | 566 | 25.29 | 28.14 | 20.43393 |
| ## | 567 | 29.58 | 28.16 | 20.48485 |
| ## | 568 | 27.98 | 29.28 | 21.29958 |
| ## | 569 | 28.27 | 28.20 | 20.51395 |
| ## | 570 | 27.28 | 27.25 | 19.82287 |
| ## | 571 | 27.45 | 27.43 | 19.95381 |
| ## | 572 | 30.44 | 32.75 | 23.82382 |
| ## | 573 | 32.01 | 33.70 | 24.51489 |
| ## | 574 | 33.04 | 30.70 | 22.33256 |
| ## | 575 | 30.62 | 32.56 | 23.68560 |
| ## | 576 | 34.01 | 33.24 | 24.18026 |
| ## | 577 | 33.35 | 33.26 | 24.19481 |
| ## | 578 | 31.78 | 29.69 | 21.59784 |
| | | - | - | |

| ## | 579 | 29.07 | 32.53 | 23.66378 |
|----|-----|-------|-------|----------|
| ## | 580 | 31.64 | 31.90 | 23.20548 |
| ## | 581 | 32.23 | 33.21 | 24.15843 |
| ## | 582 | 33.66 | 33.38 | 24.28211 |
| ## | 583 | 32.53 | 32.78 | 23.84563 |
| ## | 584 | 32.35 | 32.79 | 23.85292 |
| ## | 585 | 33.44 | 34.48 | 25.08230 |
| | | | | |
| ## | 586 | 35.01 | 33.00 | 24.00568 |
| ## | 587 | 32.85 | 32.49 | 23.63468 |
| ## | 588 | 33.06 | 35.79 | 26.03525 |
| ## | 589 | 35.45 | 34.82 | 25.32963 |
| ## | 590 | 35.82 | 37.22 | 27.07549 |
| ## | 591 | 38.50 | 35.24 | 25.63516 |
| ## | 592 | 36.80 | 38.94 | 28.32670 |
| ## | 593 | 37.35 | 35.83 | 26.06434 |
| ## | 594 | 36.24 | 35.36 | 25.72244 |
| ## | 595 | 34.70 | 34.05 | 24.76949 |
| ## | 596 | 34.12 | 35.54 | 25.85339 |
| ## | 597 | 35.45 | 34.91 | 25.39510 |
| | 598 | 35.71 | | |
| ## | | | 37.26 | 27.10459 |
| ## | 599 | 37.30 | 35.81 | 26.04979 |
| ## | 600 | 36.61 | 34.55 | 25.13322 |
| ## | 601 | 34.19 | 34.90 | 25.38782 |
| ## | 602 | 35.26 | 34.41 | 25.03137 |
| ## | 603 | 34.12 | 36.54 | 26.58083 |
| ## | 604 | 36.50 | 34.66 | 25.21324 |
| ## | 605 | 35.14 | 36.65 | 26.66085 |
| ## | 606 | 36.35 | 36.90 | 26.84272 |
| ## | 607 | 37.40 | 36.11 | 26.26803 |
| ## | 608 | 35.07 | 34.50 | 25.09685 |
| ## | 609 | 34.40 | 33.98 | 24.71858 |
| ## | 610 | 34.40 | 35.35 | 25.71518 |
| | | | | |
| ## | 611 | 35.72 | 34.55 | 25.13322 |
| ## | 612 | 34.55 | 35.39 | 25.74427 |
| ## | 613 | 35.72 | 35.26 | 25.64970 |
| ## | 614 | 35.57 | 34.84 | 25.34417 |
| ## | 615 | 35.07 | 34.94 | 25.41692 |
| ## | 616 | 34.86 | 35.13 | 25.55513 |
| ## | 617 | 34.88 | 34.00 | 24.73312 |
| ## | 618 | 34.27 | 33.50 | 24.36940 |
| ## | 619 | 33.43 | 32.73 | 23.80927 |
| ## | 620 | 32.85 | 34.17 | 24.85679 |
| ## | 621 | 34.65 | 35.00 | 25.46057 |
| ## | 622 | 34.69 | 32.87 | 23.91111 |
| ## | 623 | 33.11 | 33.57 | 24.42033 |
| ## | | 33.78 | | |
| | 624 | | 33.46 | 24.34030 |
| ## | 625 | 33.48 | 34.14 | 24.83496 |
| ## | 626 | 33.88 | 34.45 | 25.06047 |
| ## | 627 | 34.55 | 34.60 | 25.16959 |
| ## | 628 | 34.60 | 34.11 | 24.81314 |
| ## | 629 | 34.27 | 33.77 | 24.60187 |
| ## | 630 | 33.36 | 32.27 | 23.50910 |
| ## | 631 | 32.03 | 32.60 | 23.74952 |
| ## | 632 | 32.63 | 32.81 | 23.90251 |
| | | | | |

| ## | 633 | 32.93 | 32.71 | 23.82964 |
|----|------------|-------|-------|----------|
| ## | 634 | 32.89 | 33.62 | 24.49259 |
| ## | 635 | 33.31 | 32.34 | 23.56010 |
| ## | 636 | 32.87 | 34.71 | 25.28667 |
| ## | 637 | 34.53 | 34.70 | 25.27939 |
| | | 35.11 | | 26.41586 |
| ## | 638 | | 36.26 | |
| ## | 639 | 35.50 | 36.13 | 26.32117 |
| ## | 640 | 36.42 | 36.89 | 26.87483 |
| ## | 641 | 37.02 | 36.98 | 26.94040 |
| ## | 642 | 37.20 | 36.94 | 26.91125 |
| ## | 643 | 36.40 | 36.83 | 26.83113 |
| ## | 644 | 36.95 | 38.15 | 27.79277 |
| ## | 645 | 38.05 | 37.92 | 27.62520 |
| ## | 646 | 37.97 | 38.13 | 27.77819 |
| ## | 647 | 37.74 | 38.08 | 27.74177 |
| ## | 648 | 37.79 | 37.77 | 27.51593 |
| ## | 649 | 38.13 | 38.47 | 28.02588 |
| | | | | |
| ## | 650 | 38.38 | 38.65 | 28.15702 |
| ## | 651 | 39.12 | 39.60 | 28.84910 |
| ## | 652 | 39.27 | 40.21 | 29.29349 |
| ## | 653 | 40.34 | 41.78 | 30.43726 |
| ## | 654 | 42.28 | 40.75 | 29.68689 |
| ## | 655 | 41.28 | 42.36 | 30.85980 |
| ## | 656 | 42.03 | 42.69 | 31.10021 |
| ## | 657 | 42.28 | 41.24 | 30.04387 |
| ## | 658 | 41.19 | 42.21 | 30.75052 |
| ## | 659 | 42.73 | 42.90 | 31.25320 |
| ## | 660 | 42.63 | 42.45 | 30.92537 |
| ## | 661 | 41.21 | 40.73 | 29.67232 |
| ## | 662 | 41.10 | 41.70 | 30.37898 |
| ## | 663 | 41.15 | 41.41 | 30.16772 |
| | | | | |
| ## | 664 | 41.53 | 42.42 | 30.90352 |
| ## | 665 | 42.86 | 43.66 | 31.80687 |
| ## | 666 | 43.86 | 43.01 | 31.33333 |
| ## | 667 | 43.39 | 43.58 | 31.74860 |
| ## | 668 | 43.39 | 43.30 | 31.54459 |
| ## | 669 | 43.05 | 43.45 | 31.65387 |
| ## | 670 | 43.81 | 42.92 | 31.26777 |
| ## | 671 | 42.44 | 43.46 | 31.66116 |
| ## | 672 | 43.08 | 41.67 | 30.35713 |
| ## | 673 | 41.51 | 40.86 | 29.76703 |
| ## | 674 | 41.23 | 42.11 | 30.67766 |
| ## | 675 | 42.33 | 42.34 | 30.84522 |
| ## | 676 | 42.79 | 42.54 | 30.99093 |
| | | | | |
| ## | 677 679 | 42.60 | 42.86 | 31.22405 |
| ## | 678 | 42.73 | 43.02 | 31.34061 |
| ## | 679 | 43.13 | 42.50 | 30.96179 |
| ## | 680 | 42.08 | 43.75 | 31.87244 |
| ## | 681 | 43.61 | 43.19 | 31.46446 |
| ## | 682 | 43.35 | 44.65 | 32.52810 |
| ## | 683 | 44.29 | 44.96 | 32.75393 |
| ## | 684 | 45.24 | 44.95 | 32.74664 |
| ## | 685 | 44.54 | 44.55 | 32.45524 |
| ## | 686 | 44.81 | 46.47 | 33.85398 |
| | | | | |

| ## | 687 | 46.40 | 45.06 | 32.82679 |
|----|-----|-------|-------|----------|
| ## | 688 | 45.21 | 44.37 | 32.32412 |
| ## | 689 | 44.15 | 43.65 | 31.79957 |
| ## | 690 | 43.97 | 44.81 | 32.64466 |
| | | | | |
| ## | 691 | 44.89 | 44.88 | 32.69566 |
| ## | 692 | 44.80 | 43.82 | 31.92342 |
| ## | 693 | 43.40 | 41.37 | 30.13857 |
| ## | 694 | 40.82 | 41.86 | 30.53244 |
| ## | 695 | 42.48 | 43.80 | 31.94746 |
| ## | 696 | 44.36 | 44.91 | 32.75708 |
| ## | 697 | 44.60 | | |
| | | | 45.70 | 33.33332 |
| ## | 698 | 46.04 | 45.30 | 33.04155 |
| ## | 699 | 45.46 | 45.85 | 33.44271 |
| ## | 700 | 46.37 | 46.08 | 33.61048 |
| ## | 701 | 45.65 | 45.66 | 33.30414 |
| ## | 702 | 47.19 | 47.16 | 34.39823 |
| ## | 703 | 46.36 | 47.16 | 34.39823 |
| ## | 704 | 46.70 | 46.06 | 33.59590 |
| | | | | |
| ## | 705 | 46.42 | 45.98 | 33.53754 |
| ## | 706 | 45.81 | 46.03 | 33.57402 |
| ## | 707 | 46.02 | 44.65 | 32.56746 |
| ## | 708 | 44.92 | 45.71 | 33.34059 |
| ## | 709 | 45.70 | 45.23 | 32.99050 |
| ## | 710 | 45.12 | 43.82 | 31.96205 |
| ## | 711 | 43.99 | 43.90 | 32.02040 |
| ## | 712 | 43.73 | 42.68 | 31.13055 |
| | | | | |
| ## | 713 | 43.22 | 44.35 | 32.34864 |
| ## | 714 | 43.95 | 41.77 | 30.46679 |
| ## | 715 | 42.18 | 42.58 | 31.05761 |
| ## | 716 | 42.09 | 42.70 | 31.14514 |
| ## | 717 | 43.21 | 42.21 | 30.78774 |
| ## | 718 | 42.60 | 43.87 | 31.99853 |
| ## | 719 | 43.14 | 43.48 | 31.71406 |
| ## | 720 | | | |
| | | 43.93 | 44.35 | 32.34864 |
| ## | 721 | 44.14 | 44.17 | 32.21735 |
| ## | 722 | 44.34 | 44.32 | 32.32675 |
| ## | 723 | 44.08 | 43.30 | 31.58276 |
| ## | 724 | 43.16 | 42.90 | 31.29101 |
| ## | 725 | 43.25 | 43.04 | 31.39313 |
| ## | 726 | 42.92 | 43.16 | 31.48065 |
| ## | 727 | 43.14 | 43.38 | 31.64113 |
| ## | | 43.10 | | 31.03572 |
| | 728 | | 42.55 | |
| ## | 729 | 42.47 | 42.46 | 30.97008 |
| ## | 730 | 42.95 | 43.28 | 31.56818 |
| ## | 731 | 43.26 | 42.48 | 30.98466 |
| ## | 732 | 42.67 | 42.16 | 30.75126 |
| ## | 733 | 40.98 | 41.33 | 30.14586 |
| ## | 734 | 41.56 | 42.49 | 30.99197 |
| ## | 735 | 42.61 | 42.22 | 30.79502 |
| | | | | |
| ## | 736 | 42.15 | 41.93 | 30.58351 |
| ## | 737 | 42.30 | 41.40 | 30.19692 |
| ## | 738 | 42.25 | 41.74 | 30.44492 |
| ## | 739 | 41.63 | 41.25 | 30.08751 |
| ## | 740 | 41.01 | 41.21 | 30.05833 |
| | | | | |

| ## 741 | 41.25 | 41.19 | 30.04375 |
|--------|-------|-------|----------|
| ## 742 | 41.36 | 41.27 | 30.10210 |
| ## 743 | 40.99 | 40.96 | 29.87599 |
| ## 744 | 41.01 | 41.77 | 30.46679 |
| ## 745 | 41.50 | 40.86 | 29.80305 |
| ## 746 | 41.17 | 41.36 | 30.16775 |
| ## 747 | 41.06 | 40.27 | 29.37271 |
| | | | |
| ## 748 | 40.53 | 40.95 | 29.86870 |
| ## 749 | 41.55 | 41.90 | 30.56162 |
| ## 750 | 42.00 | 41.94 | 30.59079 |
| ## 751 | 41.84 | 41.56 | 30.31362 |
| ## 752 | 41.68 | 41.89 | 30.55433 |
| ## 753 | 41.85 | 41.72 | 30.43033 |
| ## 754 | 41.73 | 41.49 | 30.26256 |
| ## 755 | 41.27 | 41.53 | 30.29175 |
| ## 756 | 41.62 | 41.67 | 30.39384 |
| ## 757 | 41.79 | 42.85 | 31.29211 |
| ## 758 | 42.79 | 43.68 | 31.89822 |
| ## 759 | 43.45 | 43.92 | 32.07349 |
| ## 760 | 43.79 | 44.79 | 32.70883 |
| ## 761 | 44.37 | 44.68 | 32.62849 |
| ## 762 | 45.12 | 44.53 | 32.51894 |
| ## 763 | 43.99 | 43.49 | 31.75946 |
| ## 763 | 43.55 | 44.25 | 32.31447 |
| | | | |
| | 44.20 | 44.69 | 32.63578 |
| ## 766 | 44.30 | 43.68 | 31.89822 |
| ## 767 | 43.40 | 43.28 | 31.60611 |
| ## 768 | 43.01 | 43.40 | 31.69375 |
| ## 769 | 43.04 | 40.54 | 29.60516 |
| ## 770 | 40.65 | 39.16 | 28.59740 |
| ## 771 | 39.76 | 39.21 | 28.63390 |
| ## 772 | 39.00 | 38.44 | 28.07158 |
| ## 773 | 38.35 | 39.33 | 28.72154 |
| ## 774 | 39.68 | 39.48 | 28.83108 |
| ## 775 | 39.65 | 38.94 | 28.43673 |
| ## 776 | 39.10 | 39.63 | 28.94063 |
| ## 777 | 39.80 | 40.55 | 29.61247 |
| ## 778 | 40.58 | 40.29 | 29.42259 |
| ## 779 | 39.79 | 38.35 | 28.00587 |
| ## 780 | 38.64 | 38.30 | 27.96936 |
| | | | |
| | 38.29 | 37.70 | 27.53120 |
| ## 782 | 38.19 | 38.39 | 28.03507 |
| ## 783 | 38.64 | 38.87 | 28.38561 |
| ## 784 | 38.84 | 39.02 | 28.49515 |
| ## 785 | 38.67 | 38.95 | 28.44404 |
| ## 786 | 39.33 | 40.07 | 29.26193 |
| ## 787 | 40.26 | 40.04 | 29.24003 |
| ## 788 | 39.94 | 40.41 | 29.51022 |
| ## 789 | 40.11 | 40.03 | 29.23274 |
| ## 790 | 40.40 | 40.85 | 29.83154 |
| ## 791 | 40.90 | 39.88 | 29.12319 |
| ## 792 | 40.05 | 40.85 | 29.83154 |
| ## 793 | 40.16 | 40.64 | 29.67818 |
| ## 794 | 40.69 | 41.97 | 30.64946 |
| 101 | 10.00 | 11.01 | 55.51510 |

| ## | 795 | 42.03 | 41.83 | 30.54721 |
|----|-----|-------|-------|----------|
| ## | 796 | 41.98 | 41.62 | 30.39384 |
| ## | 797 | 41.65 | 41.53 | 30.32814 |
| ## | 798 | 41.91 | 41.92 | 30.61294 |
| ## | 799 | 42.32 | 42.81 | 31.26288 |
| ## | 800 | 42.85 | 42.59 | 31.10222 |
| ## | 801 | 42.39 | 42.42 | 30.97808 |
| ## | 802 | 42.87 | 42.93 | 31.35051 |
| ## | 803 | 42.91 | 43.18 | 31.53308 |
| ## | 804 | 43.34 | 43.15 | 31.51116 |
| ## | 805 | 42.92 | 43.07 | 31.45275 |
| ## | 806 | 43.35 | 43.24 | 31.57690 |
| ## | 807 | 43.31 | 43.79 | 31.97854 |
| ## | 808 | 43.75 | 43.79 | 31.86900 |
| ## | 809 | 43.75 | 43.45 | 31.73026 |
| ## | 810 | | | |
| | | 43.07 | 43.74 | 31.94203 |
| ## | 811 | 43.85 | 44.58 | 32.55547 |
| ## | 812 | 44.44 | 44.94 | 32.81835 |
| | 813 | 44.98 | 44.94 | 32.81835 |
| ## | 814 | 45.04 | 45.02 | 32.87678 |
| ## | 815 | 45.25 | 44.86 | 32.75995 |
| ## | 816 | 44.90 | 44.58 | 32.55547 |
| ## | 817 | 44.31 | 44.75 | 32.67960 |
| ## | 818 | 45.03 | 45.18 | 33.03052 |
| ## | 819 | 45.28 | 45.34 | 33.14750 |
| ## | 820 | 45.23 | 45.84 | 33.51304 |
| ## | 821 | 45.83 | 45.32 | 33.13287 |
| ## | 822 | 45.16 | 45.76 | 33.45455 |
| ## | 823 | 45.88 | 45.98 | 33.61540 |
| ## | 824 | 46.03 | 46.14 | 33.73237 |
| ## | 825 | 46.04 | 45.87 | 33.53497 |
| ## | 826 | 47.40 | 47.73 | 34.89479 |
| ## | 827 | 47.65 | 47.81 | 34.95328 |
| ## | 828 | 47.67 | 45.55 | 33.30102 |
| ## | 829 | 45.23 | 45.39 | 33.18405 |
| ## | 830 | 45.77 | 45.88 | 33.54229 |
| ## | 831 | 46.04 | 45.35 | 33.15480 |
| ## | 832 | 44.91 | 44.74 | 32.70885 |
| ## | 833 | 44.73 | 44.94 | 32.85506 |
| ## | 834 | 44.78 | 43.89 | 32.08741 |
| ## | 835 | 43.48 | 42.41 | 31.00542 |
| ## | 836 | 42.84 | 43.46 | 31.77305 |
| ## | 837 | 43.89 | 44.00 | 32.16784 |
| ## | 838 | 44.02 | 42.58 | 31.12970 |
| ## | 839 | 42.97 | 43.53 | 31.82422 |
| ## | 840 | 42.97 | 42.47 | 31.04929 |
| ## | 841 | 42.11 | 42.63 | 31.16625 |
| ## | 842 | 42.63 | 40.81 | 29.83567 |
| ## | 843 | 41.03 | 40.76 | 29.79913 |
| ## | 844 | 42.32 | 41.95 | 30.66912 |
| ## | 845 | 41.46 | 41.55 | 30.37667 |
| ## | 846 | 41.74 | 41.69 | 30.47903 |
| ## | 847 | 41.44 | 40.81 | 29.83567 |
| ## | 848 | 40.10 | 39.89 | 29.16308 |
| | | | | |

| ## | 849 | 39.93 | 39.84 | 29.12653 |
|----|-----|-------|-------|----------|
| ## | 850 | 40.62 | 39.02 | 28.52703 |
| ## | 851 | 38.54 | 39.38 | 28.79021 |
| ## | 852 | 38.55 | 37.83 | 27.65704 |
| ## | 853 | 37.02 | 40.05 | 29.28006 |
| ## | 854 | 40.16 | 38.62 | 28.23459 |
| | | | | |
| ## | 855 | 37.67 | 38.94 | 28.46853 |
| ## | 856 | 39.19 | 38.78 | 28.35157 |
| ## | 857 | 39.58 | 40.42 | 29.55054 |
| ## | 858 | 40.33 | 39.58 | 28.93644 |
| ## | 859 | 39.32 | 38.54 | 28.17611 |
| ## | 860 | 39.17 | 39.55 | 28.91450 |
| ## | 861 | 39.86 | 39.10 | 28.58551 |
| ## | 862 | 38.49 | 37.62 | 27.50350 |
| ## | 863 | 37.79 | 36.72 | 26.84553 |
| ## | 864 | 36.86 | 37.78 | 27.62048 |
| ## | 865 | 38.15 | 37.12 | 27.13796 |
| ## | 866 | 37.68 | 38.29 | 27.99334 |
| ## | 867 | 37.79 | 38.09 | 27.84712 |
| ## | 868 | 37.97 | 37.33 | 27.29149 |
| ## | 869 | 37.55 | 38.25 | 27.96409 |
| ## | 870 | 38.02 | 38.52 | 28.16149 |
| ## | 871 | 38.60 | 38.44 | 28.10299 |
| | | 38.60 | | |
| ## | 872 | | 39.18 | 28.64399 |
| ## | 873 | 39.55 | 38.87 | 28.41736 |
| ## | 874 | 38.93 | 38.33 | 28.02257 |
| ## | 875 | 38.29 | 38.89 | 28.43198 |
| ## | 876 | 38.55 | 38.03 | 27.80325 |
| ## | 877 | 38.78 | 39.44 | 28.83409 |
| ## | 878 | 39.55 | 38.54 | 28.17611 |
| ## | 879 | 37.91 | 37.06 | 27.09411 |
| ## | 880 | 37.02 | 36.61 | 26.76511 |
| ## | 881 | 36.54 | 36.08 | 26.41370 |
| ## | 882 | 36.31 | 35.83 | 26.23068 |
| ## | 883 | 36.69 | 36.33 | 26.59673 |
| ## | 884 | 36.64 | 38.15 | 27.92912 |
| ## | 885 | 38.78 | 38.16 | 27.93645 |
| ## | 886 | 37.75 | 38.85 | 28.44158 |
| ## | 887 | 38.86 | 39.19 | 28.69049 |
| ## | 888 | 39.81 | 40.48 | 29.63489 |
| | | | | |
| ## | 889 | 40.15 | 40.35 | 29.53972 |
| ## | 890 | 40.72 | 40.46 | 29.62024 |
| ## | 891 | 40.28 | 39.00 | 28.55139 |
| ## | 892 | 39.03 | 39.04 | 28.58068 |
| ## | 893 | 38.32 | 39.63 | 29.01262 |
| ## | 894 | 40.25 | 38.42 | 28.12678 |
| ## | 895 | 38.96 | 39.35 | 28.80762 |
| ## | 896 | 39.17 | 39.83 | 29.15904 |
| ## | 897 | 39.80 | 40.33 | 29.52506 |
| ## | 898 | 40.74 | 40.69 | 29.78862 |
| ## | 899 | 40.44 | 40.32 | 29.51776 |
| ## | 900 | 40.71 | 40.21 | 29.43722 |
| ## | 901 | 39.72 | 40.28 | 29.48846 |
| ## | 902 | 40.98 | 41.64 | 30.48410 |
| " | | | | 50.10110 |

| ## ## | | | | |
|--|--|--|---|--|
| ## | 903 | 41.50 | 41.08 | 30.07413 |
| ## | 904 | 41.22 | 41.29 | 30.22789 |
| ## | 905 | 40.97 | 41.27 | 30.21324 |
| ## | 906 | 40.74 | 40.44 | 29.60560 |
| ## | 907 | 40.55 | 39.82 | 29.15170 |
| ## | 908 | 39.67 | 39.17 | 28.67585 |
| ## | 909 | 38.65 | 37.77 | 27.65093 |
| ## | 910 | 37.36 | 37.81 | 27.68022 |
| ## | 911 | 37.80 | 37.50 | 27.45327 |
| ## | 912 | 37.32 | | 27.59236 |
| ## | 913 | 37.97 | 37.69 | 27.43863 |
| ## | 913 | | 37.48 | |
| | | 37.39 | 37.89 | 27.73878 |
| ## | 915 | 37.66 | 37.07 | 27.13847 |
| ## | 916 | 37.11 | 37.14 | 27.18972 |
| ## | 917 | 37.21 | 36.88 | 26.99937 |
| ## | 918 | 36.59 | 36.21 | 26.50887 |
| ## | 919 | 35.95 | 36.23 | 26.52351 |
| ## | 920 | 36.36 | 35.63 | 26.08426 |
| ## | 921 | 35.87 | 36.60 | 26.79439 |
| ## | 922 | 36.40 | 35.85 | 26.24532 |
| ## | 923 | 35.94 | 36.36 | 26.61869 |
| ## | 924 | 36.74 | 37.74 | 27.62897 |
| ## | 925 | 37.84 | 38.16 | 27.93645 |
| ## | 926 | 38.47 | 39.17 | 28.67585 |
| ## | 927 | 38.73 | 38.28 | 28.02430 |
| ## | 928 | 38.34 | 39.12 | 28.63926 |
| ## | 929 | 39.93 | 40.10 | 29.35671 |
| ## | 930 | 39.92 | 39.76 | 29.10778 |
| ## | 931 | 40.64 | 41.12 | 30.10342 |
| ## | 932 | 40.97 | 40.72 | 29.81058 |
| ## | | | | |
| πп | 933 | 40.51 | 40.98 | 30.00093 |
| ## | 934 | 40.51 40.72 | 40.98 40.99 | 30.00093 30.00825 |
| | | | | 30.00093 |
| ## | 934 | 40.72 | 40.99 | 30.00093 30.00825 |
| ## ## | 934 935 | 40.72 41.03 | 40.99 40.06 | 30.00093 30.00825 29.32741 |
| ## ## ## | 934 935 936 | 40.72 41.03 40.24 | 40.99 40.06 41.19 | 30.00093 30.00825 29.32741 30.15467 |
| ## ## ## ## | 934 935 936 937 | 40.72 41.03 40.24 41.31 | 40.99 40.06 41.19 40.59 39.94 39.10 | 30.00093 30.00825 29.32741 30.15467 29.71542 |
| ## ## ## ## | 934 935 936 937 938 939 940 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 | 40.99 40.06 41.19 40.59 39.94 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 |
| ## ## ## ## ## | 934 935 936 937 938 939 | 40.72 41.03 40.24 41.31 40.43 39.63 | 40.99 40.06 41.19 40.59 39.94 39.10 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 |
| ## ## ## ## ## | 934 935 936 937 938 939 940 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 | 40.99 40.06 41.19 40.59 39.94 39.10 39.75 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 |
| ## ## ## ## ## ## | 934 935 936 937 938 939 940 941 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 | 40.99 40.06 41.19 40.59 39.94 39.10 39.75 39.08 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 |
| ## ## ## ## ## ## | 934 935 936 937 938 939 940 941 942 943 944 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 | 40.99 40.06 41.19 40.59 39.94 39.10 39.75 39.08 38.95 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 |
| ## ## ## ## ## ## | 934 935 936 937 938 939 940 941 942 943 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 | 40.99 40.06 41.19 40.59 39.94 39.10 39.75 39.08 38.95 38.41 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 |
| ## ## ## ## ## ## ## | 934 935 936 937 938 939 940 941 942 943 944 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 38.49 | 40.99 40.06 41.19 40.59 39.94 39.10 39.75 39.08 38.95 38.41 38.06 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 27.86323 |
| ## ################################### | 934 935 936 937 938 939 940 941 942 943 944 945 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 38.49 38.34 | 40.99 40.06 41.19 40.59 39.94 39.10 39.75 39.08 38.95 38.41 38.06 38.81 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 27.86323 28.41230 |
| ## ## ## ## ## ## ## | 934 935 936 937 938 939 940 941 942 943 944 945 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 38.49 38.34 38.98 | 40.99 40.06 41.19 40.59 39.94 39.75 39.08 38.95 38.41 38.06 38.81 38.95 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 27.86323 28.41230 28.55158 |
| ## ## ## ## ## ## ## ## | 934 935 936 937 938 939 940 941 942 943 944 945 946 947 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 38.49 38.34 38.98 39.36 | 40.99 40.06 41.19 40.59 39.94 39.75 39.08 38.95 38.41 38.06 38.81 38.95 39.64 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 27.86323 28.41230 28.55158 29.05737 |
| ## ## ## ## ## ## ## ## | 934 935 936 937 938 939 940 941 942 943 944 945 946 947 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 38.49 38.34 38.98 39.36 39.56 | 40.99 40.06 41.19 40.59 39.94 39.10 39.75 39.08 38.95 38.41 38.06 38.81 38.95 39.64 39.90 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 27.86323 28.41230 28.55158 29.05737 29.24795 |
| ###################################### | 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 38.49 38.34 38.98 39.36 39.56 40.11 | 40.99 40.06 41.19 40.59 39.94 39.10 39.75 39.08 38.95 38.41 38.06 38.81 38.95 39.64 39.90 39.52 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 27.86323 28.41230 28.55158 29.05737 29.24795 28.96941 |
| ## ## ## ## ## ## ## ## ## ## | 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 38.49 38.34 38.98 39.36 40.11 39.67 | 40.99 40.06 41.19 40.59 39.94 39.75 39.08 38.95 38.41 38.06 38.81 38.95 39.64 39.90 39.52 39.31 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 27.86323 28.41230 28.55158 29.05737 29.24795 28.96941 28.81546 |
| ## ## ## ## ## ## ## ## ## ## | 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 38.49 38.34 38.98 39.36 39.56 40.11 39.67 39.52 | 40.99 40.06 41.19 40.59 39.94 39.10 39.75 39.08 38.95 38.41 38.06 38.81 38.95 39.64 39.90 39.52 39.31 39.73 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 27.86323 28.41230 28.55158 29.05737 29.24795 28.96941 28.81546 29.12335 |
| ###################################### | 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 38.49 38.34 38.98 39.36 39.56 40.11 39.67 39.52 39.47 | 40.99 40.06 41.19 40.59 39.94 39.75 39.08 38.95 38.41 38.06 38.81 38.95 39.64 39.90 39.52 39.31 39.73 40.40 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 27.86323 28.41230 28.55158 29.05737 29.24795 28.96941 28.81546 29.12335 29.61447 |
| ###################################### | 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 | 40.72 41.03 40.24 41.31 40.43 39.63 39.51 39.54 39.36 38.79 38.49 38.34 38.98 39.36 39.56 40.11 39.67 39.52 39.47 40.66 | 40.99 40.06 41.19 40.59 39.94 39.75 39.08 38.95 38.41 38.06 38.81 38.95 39.64 39.90 39.52 39.31 39.73 40.40 39.84 | 30.00093 30.00825 29.32741 30.15467 29.71542 29.23956 28.62460 29.10047 28.60997 28.51480 28.11947 27.86323 28.41230 28.55158 29.05737 29.24795 28.96941 28.81546 29.12335 29.61447 29.20398 |

| ## | 957 | 37.90 | 37.69 | 27.62796 |
|----|------|-------|-------|----------|
| ## | 958 | 38.00 | 38.10 | 27.92849 |
| ## | 959 | 38.19 | 37.70 | 27.63528 |
| ## | 960 | 37.50 | 37.70 | 27.63528 |
| | | | | |
| ## | 961 | 37.97 | 37.07 | 27.17347 |
| ## | 962 | 36.98 | 37.20 | 27.26877 |
| ## | 963 | 37.06 | 37.54 | 27.51800 |
| ## | 964 | 37.70 | 37.51 | 27.49601 |
| ## | 965 | 37.45 | 37.63 | 27.58397 |
| ## | 966 | | | 27.43004 |
| | | 37.61 | 37.42 | |
| ## | 967 | 37.53 | 36.96 | 27.09284 |
| ## | 968 | 36.98 | 37.72 | 27.64995 |
| ## | 969 | 38.14 | 39.80 | 29.17464 |
| ## | 970 | 39.89 | 40.94 | 30.01029 |
| ## | 971 | 40.86 | 40.51 | 29.69511 |
| | | | | |
| ## | 972 | 40.43 | 39.90 | 29.24795 |
| ## | 973 | 39.87 | 40.62 | 29.77573 |
| ## | 974 | 40.27 | 40.02 | 29.33591 |
| ## | 975 | 39.86 | 39.61 | 29.03538 |
| ## | 976 | 39.82 | 40.08 | 29.37991 |
| ## | 977 | 39.74 | 39.61 | 29.03538 |
| | | | | |
| ## | 978 | 39.58 | 39.18 | 28.72017 |
| ## | 979 | 39.57 | 39.66 | 29.07203 |
| ## | 980 | 39.41 | 39.41 | 28.88878 |
| ## | 981 | 39.06 | 38.51 | 28.22905 |
| ## | 982 | 38.01 | 37.63 | 27.58397 |
| ## | 983 | 37.83 | 38.16 | 27.97248 |
| ## | 984 | | | 27.48868 |
| | | 37.71 | 37.50 | |
| ## | 985 | 37.47 | 37.91 | 27.78923 |
| ## | 986 | 37.49 | 37.40 | 27.41537 |
| ## | 987 | 37.95 | 38.15 | 27.96517 |
| ## | 988 | 38.43 | 39.31 | 28.81546 |
| ## | 989 | 39.07 | 39.61 | 29.03538 |
| | | | | |
| ## | 990 | 39.48 | 39.90 | 29.24795 |
| ## | 991 | 40.35 | 39.25 | 28.77148 |
| ## | 992 | 39.36 | 40.26 | 29.51185 |
| ## | 993 | 40.67 | 40.81 | 29.91502 |
| ## | 994 | 40.89 | 41.43 | 30.36950 |
| ## | 995 | 41.57 | 41.51 | 30.42813 |
| ## | | 41.44 | 40.79 | |
| | 996 | | | 29.90036 |
| ## | 997 | 40.73 | 40.21 | 29.47519 |
| ## | 998 | 40.42 | 40.01 | 29.32859 |
| ## | 999 | 40.06 | 39.67 | 29.07936 |
| ## | 1000 | 39.83 | 39.95 | 29.28461 |
| ## | 1001 | 40.16 | 41.00 | 30.05431 |
| ## | 1002 | 41.17 | 42.16 | 30.90461 |
| | | | | |
| ## | 1003 | 42.15 | 42.08 | 30.84596 |
| ## | 1004 | 41.82 | 42.67 | 31.27846 |
| ## | 1005 | 42.70 | 42.61 | 31.23448 |
| ## | 1006 | 42.58 | 42.36 | 31.05122 |
| ## | 1007 | 42.31 | 42.23 | 30.95593 |
| ## | 1007 | 42.11 | 42.42 | 31.09520 |
| | | | | |
| ## | 1009 | 43.00 | 43.58 | 31.94552 |
| ## | 1010 | 43.78 | 44.16 | 32.40786 |

| ## | 1011 | 43.92 | 44.70 | 32.80415 |
|----|------|-------|-------|----------|
| ## | 1012 | 44.40 | 44.48 | 32.64269 |
| ## | 1013 | 44.54 | 43.64 | 32.02624 |
| ## | 1014 | 43.27 | 43.40 | 31.85011 |
| ## | 1015 | 43.70 | 43.60 | 31.99687 |
| ## | 1016 | 44.44 | 44.71 | 32.81148 |
| ## | 1017 | 44.94 | 44.45 | 32.62068 |
| ## | 1018 | 44.51 | 44.91 | 32.95826 |
| ## | 1019 | 45.02 | 44.75 | 32.84084 |
| ## | 1019 | 44.55 | 43.71 | 32.07761 |
| | | | | |
| ## | 1021 | 43.83 | 44.75 | 32.84084 |
| ## | 1022 | 45.05 | 45.29 | 33.23714 |
| ## | 1023 | 45.21 | 45.02 | 33.03899 |
| ## | 1024 | 44.82 | 44.87 | 32.92891 |
| ## | 1025 | 45.20 | 44.98 | 33.00962 |
| ## | 1026 | 44.98 | 45.10 | 33.09769 |
| ## | 1027 | 45.05 | 44.54 | 32.68673 |
| ## | 1028 | 44.41 | 44.94 | 32.98027 |
| ## | 1029 | 45.20 | 45.93 | 33.70681 |
| ## | 1030 | 45.79 | 45.45 | 33.35457 |
| ## | 1031 | 45.48 | 45.46 | 33.36189 |
| ## | 1032 | 45.00 | 44.59 | 32.72342 |
| ## | 1033 | 44.75 | 45.50 | 33.39124 |
| ## | 1034 | 45.49 | 45.74 | 33.56738 |
| ## | 1035 | 45.36 | 45.11 | 33.10504 |
| ## | 1036 | 45.10 | 45.53 | 33.41326 |
| ## | 1037 | 45.40 | 46.57 | 34.17649 |
| | | | | |
| ## | 1038 | 46.60 | 46.54 | 34.15448 |
| ## | 1039 | 46.56 | 46.82 | 34.35996 |
| ## | 1040 | 47.15 | 47.94 | 35.18191 |
| ## | 1041 | 47.77 | 47.82 | 35.09382 |
| ## | 1042 | 47.82 | 48.00 | 35.22592 |
| ## | 1043 | 47.20 | 46.01 | 33.76552 |
| ## | 1044 | 46.04 | 45.96 | 33.72883 |
| ## | 1045 | 45.63 | 45.91 | 33.69213 |
| ## | 1046 | 46.25 | 46.68 | 34.25722 |
| ## | 1047 | 46.81 | 46.69 | 34.26456 |
| ## | 1048 | 46.47 | 45.60 | 33.46463 |
| ## | 1049 | 45.39 | 45.21 | 33.17842 |
| ## | 1050 | 45.72 | 46.08 | 33.81688 |
| ## | 1051 | 45.98 | 45.52 | 33.40592 |
| ## | 1052 | 45.62 | 45.19 | 33.16374 |
| ## | 1053 | 45.38 | 46.40 | 34.05173 |
| ## | 1054 | 46.33 | 46.56 | 34.16916 |
| ## | 1055 | 46.08 | 45.53 | 33.41326 |
| ## | | | | |
| | 1056 | 45.28 | 45.74 | 33.56738 |
| ## | 1057 | 45.42 | 45.30 | 33.24446 |
| ## | 1058 | 44.55 | 44.61 | 32.73810 |
| ## | 1059 | 44.64 | 43.81 | 32.15100 |
| ## | 1060 | 44.46 | 44.56 | 32.70141 |
| ## | 1061 | 45.24 | 45.74 | 33.56738 |
| ## | 1062 | 46.28 | 45.63 | 33.48665 |
| ## | 1063 | 45.66 | 45.47 | 33.36922 |
| ## | 1064 | 45.29 | 45.60 | 33.46463 |
| | | | | |

| ## | 1065 | 45.70 | 45.73 | 33.56003 |
|----|------|-------|-------|----------|
| ## | 1066 | 45.70 | 45.86 | 33.65544 |
| ## | 1067 | 46.10 | 45.96 | 33.72883 |
| ## | 1068 | 45.83 | 46.02 | 33.77287 |
| ## | 1069 | 46.53 | 46.45 | 34.08841 |
| | | | | |
| ## | 1070 | 46.05 | 46.10 | 33.83157 |
| ## | 1071 | 46.55 | 46.35 | 34.01503 |
| ## | 1072 | 46.12 | 46.34 | 34.19212 |
| ## | 1073 | 46.17 | 46.58 | 34.36921 |
| ## | 1074 | 46.81 | 47.64 | 35.15134 |
| ## | 1075 | 47.64 | 47.40 | 34.97424 |
| ## | 1076 | 47.52 | 46.84 | 34.56104 |
| | | | | |
| ## | 1077 | 47.00 | 46.86 | 34.57581 |
| ## | 1078 | 46.55 | 46.64 | 34.41348 |
| ## | 1079 | 47.24 | 46.25 | 34.12572 |
| ## | 1080 | 45.68 | 44.97 | 33.18126 |
| ## | 1081 | 45.24 | 44.89 | 33.12224 |
| ## | 1082 | 44.27 | 43.96 | 32.43603 |
| ## | 1083 | 44.26 | 44.65 | 32.94516 |
| ## | 1084 | 44.90 | 44.56 | 32.87874 |
| | | | | |
| ## | 1085 | 44.68 | 44.68 | 32.96729 |
| ## | 1086 | 44.65 | 44.61 | 32.91564 |
| ## | 1087 | 44.85 | 45.12 | 33.29194 |
| ## | 1088 | 45.30 | 45.50 | 33.57232 |
| ## | 1089 | 45.61 | 45.85 | 33.83057 |
| ## | 1090 | 45.81 | 45.63 | 33.66824 |
| ## | 1091 | 45.94 | 45.18 | 33.33621 |
| ## | 1092 | 44.95 | 45.92 | 33.88222 |
| | | | | |
| ## | 1093 | 45.98 | 45.50 | 33.57232 |
| ## | 1094 | 45.24 | 45.17 | 33.32882 |
| ## | 1095 | 45.47 | 45.04 | 33.23291 |
| ## | 1096 | 44.75 | 44.96 | 33.17388 |
| ## | 1097 | 45.06 | 45.16 | 33.32145 |
| ## | 1098 | 45.02 | 44.23 | 32.63524 |
| ## | 1099 | 44.10 | 44.09 | 32.53195 |
| ## | 1100 | 44.06 | 43.15 | 31.83837 |
| ## | 1101 | 42.97 | 42.88 | 31.63915 |
| | | | | |
| ## | 1102 | 42.68 | 43.81 | 32.32536 |
| ## | 1103 | 43.72 | 44.08 | 32.52457 |
| ## | 1104 | 44.32 | 44.00 | 32.46554 |
| ## | 1105 | 43.83 | 43.13 | 31.82361 |
| ## | 1106 | 42.40 | 42.55 | 31.39566 |
| ## | 1107 | 42.77 | 42.34 | 31.24071 |
| ## | 1108 | 42.11 | 42.27 | 31.18906 |
| ## | 1109 | 42.12 | 42.45 | 31.32186 |
| | | | | |
| ## | 1110 | 42.70 | 42.79 | 31.57275 |
| ## | 1111 | 43.24 | 43.24 | 31.90478 |
| ## | 1112 | 42.87 | 41.76 | 30.81276 |
| ## | 1113 | 41.93 | 41.61 | 30.70208 |
| ## | 1114 | 41.09 | 41.57 | 30.67256 |
| ## | 1115 | 41.10 | 40.53 | 29.90520 |
| ## | 1116 | 40.92 | 40.72 | 30.04539 |
| ## | 1117 | 40.58 | 40.72 | 29.80190 |
| | | | | |
| ## | 1118 | 40.59 | 40.98 | 30.23723 |

| ## | 1119 | 40.59 | 41.05 | 30.28888 |
|----|------|-------|-------|----------|
| ## | 1120 | 41.29 | 41.67 | 30.74635 |
| ## | 1121 | 42.13 | 41.61 | 30.70208 |
| ## | 1122 | 41.02 | 40.68 | 30.01586 |
| ## | 1123 | 40.63 | 40.36 | 29.77976 |
| ## | 1124 | 40.85 | 40.80 | 30.10442 |
| | | | | |
| ## | 1125 | 40.50 | 40.48 | 29.86830 |
| ## | 1126 | 40.68 | 40.91 | 30.18558 |
| ## | 1127 | 40.67 | 40.69 | 30.02326 |
| ## | 1128 | 40.12 | 40.07 | 29.56578 |
| ## | 1129 | 40.05 | 39.49 | 29.13783 |
| ## | 1130 | 39.40 | 39.88 | 29.42560 |
| ## | 1131 | 40.07 | 39.54 | 29.17472 |
| ## | 1132 | 40.04 | 40.45 | 29.84616 |
| ## | 1133 | 40.72 | 40.94 | 30.20772 |
| ## | 1134 | 40.81 | 41.58 | 30.86844 |
| ## | 1135 | 41.51 | 41.03 | 30.46013 |
| ## | 1136 | 40.59 | 40.56 | 30.11121 |
| | 1137 | | | |
| ## | | 41.19 | 41.32 | 30.67541 |
| ## | 1138 | 40.70 | 40.74 | 30.24484 |
| ## | 1139 | 40.19 | 39.43 | 29.27230 |
| ## | 1140 | 39.24 | 39.39 | 29.24260 |
| ## | 1141 | 39.67 | 39.62 | 29.41336 |
| ## | 1142 | 41.18 | 40.35 | 29.95531 |
| ## | 1143 | 40.61 | 39.98 | 29.68062 |
| ## | 1144 | 39.79 | 39.83 | 29.56927 |
| ## | 1145 | 39.92 | 40.39 | 29.98500 |
| ## | 1146 | 40.69 | 40.96 | 30.40816 |
| ## | 1147 | 41.57 | 42.29 | 31.39553 |
| ## | 1148 | 42.27 | 42.19 | 31.32129 |
| ## | 1149 | 41.52 | 41.69 | 30.95009 |
| ## | 1150 | 41.50 | 41.44 | 30.76451 |
| | | | | 30.19287 |
| ## | 1151 | 41.20 | 40.67 | |
| ## | 1152 | 40.69 | 40.68 | 30.20028 |
| ## | 1153 | 40.24 | 40.45 | 30.02954 |
| ## | 1154 | 41.16 | 40.44 | 30.02212 |
| ## | 1155 | 40.10 | 39.84 | 29.57668 |
| ## | 1156 | 39.76 | 39.90 | 29.62123 |
| ## | 1157 | 39.31 | 37.92 | 28.15130 |
| ## | 1158 | 38.30 | 37.60 | 27.91374 |
| ## | 1159 | 36.23 | 34.06 | 25.28570 |
| ## | 1160 | 35.38 | 36.40 | 27.02288 |
| ## | 1161 | 35.52 | 34.37 | 25.51583 |
| ## | 1162 | 34.63 | 36.69 | 27.23816 |
| ## | 1163 | 37.13 | 35.91 | 26.65911 |
| ## | 1164 | 36.53 | 36.88 | 27.37922 |
| ## | 1165 | 36.27 | | 26.74818 |
| | | | 36.03 | |
| ## | 1166 | 36.46 | 36.57 | 27.14908 |
| ## | 1167 | 35.27 | 35.19 | 26.12458 |
| ## | 1168 | 34.76 | 34.35 | 25.50098 |
| ## | 1169 | 35.12 | 33.41 | 24.80314 |
| ## | 1170 | 33.29 | 34.78 | 25.82021 |
| ## | 1171 | 34.82 | 35.83 | 26.59972 |
| ## | 1172 | 37.79 | 35.72 | 26.51806 |
| | | | | |

| ## | 1173 | 35.28 | 36.21 | 26.88182 |
|-----|------|-------|-------|----------|
| ## | 1174 | 36.82 | 37.64 | 27.94343 |
| ## | 1175 | 37.40 | 37.06 | 27.51285 |
| ## | 1176 | 37.42 | 37.56 | 27.88404 |
| | | | | |
| ## | 1177 | 37.62 | 36.30 | 26.94863 |
| ## | 1178 | 35.06 | 34.63 | 25.70885 |
| ## | 1179 | 33.11 | 33.44 | 24.82540 |
| ## | 1180 | 34.10 | 34.82 | 25.84990 |
| ## | 1181 | 34.44 | 33.51 | 24.87738 |
| ## | 1182 | 33.08 | 32.08 | 23.81577 |
| ## | 1183 | 31.35 | 32.42 | 24.06817 |
| ## | 1184 | 32.81 | 32.49 | 24.12014 |
| ## | 1185 | 32.73 | | 24.35028 |
| | | | 32.80 | |
| ## | 1186 | 33.37 | 33.81 | 25.10010 |
| ## | 1187 | 34.05 | 33.43 | 24.81799 |
| ## | 1188 | 32.69 | 32.49 | 24.12014 |
| ## | 1189 | 32.77 | 32.25 | 23.94197 |
| ## | 1190 | 32.23 | 30.34 | 22.52401 |
| ## | 1191 | 29.35 | 29.27 | 21.72966 |
| ## | 1192 | 28.96 | 29.59 | 21.96723 |
| ## | 1193 | 30.06 | 31.65 | 23.49653 |
| ## | 1194 | 32.62 | 31.57 | 23.43715 |
| | 1194 | | | |
| ## | | 31.62 | 30.47 | 22.62052 |
| ## | 1196 | 31.58 | 31.39 | 23.30351 |
| ## | 1197 | 30.74 | 30.12 | 22.36069 |
| ## | 1198 | 30.03 | 28.65 | 21.26938 |
| ## | 1199 | 28.25 | 30.26 | 22.66237 |
| ## | 1200 | 30.23 | 30.84 | 23.09674 |
| ## | 1201 | 30.71 | 32.38 | 24.25010 |
| ## | 1202 | 32.58 | 30.70 | 22.99190 |
| ## | 1203 | 31.60 | 32.30 | 24.19017 |
| ## | 1204 | 31.98 | 32.30 | 24.19017 |
| | | 32.76 | | |
| ## | 1205 | | 33.20 | 24.86421 |
| ## | 1206 | 32.45 | 31.60 | 23.66593 |
| ## | 1207 | 31.87 | 31.89 | 23.88311 |
| ## | 1208 | 31.64 | 31.04 | 23.24653 |
| ## | 1209 | 31.36 | 32.87 | 24.61706 |
| ## | 1210 | 32.77 | 32.25 | 24.15273 |
| ## | 1211 | 32.32 | 33.13 | 24.81178 |
| ## | 1212 | 33.48 | 33.42 | 25.02896 |
| ## | 1213 | 33.61 | 34.57 | 25.89023 |
| ## | 1214 | 34.18 | 33.49 | 25.08139 |
| ## | 1215 | 34.11 | 34.18 | 25.59814 |
| ## | 1216 | 36.56 | 37.02 | 27.72508 |
| | | | | |
| ## | 1217 | 36.61 | 36.69 | 27.47794 |
| ## | 1218 | 35.93 | 34.76 | 26.03252 |
| ## | 1219 | 32.47 | 32.71 | 24.49723 |
| ## | 1220 | 33.71 | 33.64 | 25.19373 |
| ## | 1221 | 34.12 | 34.38 | 25.74794 |
| ## | 1222 | 33.99 | 33.97 | 25.44088 |
| ## | 1223 | 34.03 | 34.24 | 25.64308 |
| ## | 1224 | 34.53 | 35.02 | 26.22724 |
| ## | 1225 | 33.84 | 32.54 | 24.36992 |
| ## | 1226 | 32.92 | 32.74 | 24.51970 |
| ıτπ | 1220 | 52.52 | J2.17 | 21.01010 |

| ## | 1227 | 33.28 | 33.28 | 24.92411 |
|----|------|-------|-------|----------|
| ## | 1228 | 32.95 | 32.55 | 24.37740 |
| ## | 1229 | 32.09 | 32.70 | 24.48974 |
| | | | | |
| ## | 1230 | 32.34 | 31.47 | 23.56857 |
| ## | 1231 | 31.40 | 30.49 | 22.83462 |
| ## | 1232 | 30.67 | 30.62 | 22.93199 |
| ## | 1233 | 30.02 | 29.91 | 22.40025 |
| ## | 1234 | 29.90 | 29.41 | 22.02579 |
| ## | 1235 | 29.11 | 28.38 | 21.25440 |
| | | | | |
| ## | 1236 | 28.28 | 28.48 | 21.32929 |
| ## | 1237 | 29.71 | 29.16 | 21.83856 |
| ## | 1238 | 28.98 | 28.56 | 21.38921 |
| ## | 1239 | 30.15 | 30.97 | 23.19410 |
| ## | 1240 | 30.86 | 30.46 | 22.81216 |
| ## | 1241 | 30.88 | 32.33 | 24.21264 |
| | | | | |
| ## | 1242 | 33.64 | 33.51 | 25.09637 |
| ## | 1243 | 33.26 | 33.23 | 24.88667 |
| ## | 1244 | 32.82 | 34.00 | 25.46334 |
| ## | 1245 | 33.55 | 32.22 | 24.13026 |
| ## | 1246 | 32.36 | 33.18 | 24.84922 |
| ## | 1247 | 32.55 | 32.04 | 23.99545 |
| | | | | |
| ## | 1248 | 32.37 | 31.29 | 23.43377 |
| ## | 1249 | 30.88 | 31.51 | 23.59852 |
| ## | 1250 | 32.10 | 31.76 | 23.78576 |
| ## | 1251 | 32.16 | 31.89 | 23.88311 |
| ## | 1252 | 31.87 | 30.70 | 22.99190 |
| ## | 1253 | 31.40 | 32.21 | 24.12277 |
| | | | | |
| ## | 1254 | 32.00 | 32.32 | 24.20515 |
| ## | 1255 | 32.69 | 33.45 | 25.05143 |
| ## | 1256 | 33.62 | 33.57 | 25.14130 |
| ## | 1257 | 33.22 | 33.03 | 24.73689 |
| ## | 1258 | 32.99 | 32.65 | 24.45229 |
| ## | 1259 | 32.71 | | 25.02896 |
| | | | 33.42 | |
| ## | 1260 | 33.11 | 33.25 | 24.90165 |
| ## | 1261 | 34.06 | 34.98 | 26.19729 |
| ## | 1262 | 34.44 | 34.95 | 26.36324 |
| ## | 1263 | 34.71 | 35.68 | 26.91387 |
| ## | 1264 | 35.69 | 35.36 | 26.67250 |
| ## | 1265 | 35.44 | 35.30 | 26.62724 |
| | | | | |
| ## | 1266 | 36.07 | 36.05 | 27.19298 |
| ## | 1267 | 35.80 | 36.66 | 27.65311 |
| ## | 1268 | 36.82 | 36.85 | 27.79643 |
| ## | 1269 | 35.26 | 35.92 | 27.09492 |
| ## | 1270 | 34.85 | 34.91 | 26.33306 |
| ## | 1271 | 34.54 | 36.54 | 27.56260 |
| | | | | |
| ## | 1272 | 36.84 | 36.93 | 27.85677 |
| ## | 1273 | 36.78 | 37.36 | 28.18113 |
| ## | 1274 | 37.31 | 37.66 | 28.40742 |
| ## | 1275 | 37.18 | 37.66 | 28.40742 |
| ## | 1276 | 37.36 | 37.60 | 28.36217 |
| ## | 1277 | 37.88 | 37.49 | 28.27918 |
| | | | | |
| ## | 1278 | 37.23 | 37.21 | 28.06798 |
| ## | 1279 | 36.66 | 37.01 | 27.91712 |
| ## | 1280 | 37.53 | 37.30 | 28.13587 |
| | | | | |

| ## | 1281 | 37.89 | 37.60 | 28.36217 |
|----|------|-------|-------|----------|
| ## | 1282 | 37.69 | 37.55 | 28.32445 |
| ## | 1283 | 38.27 | 38.28 | 28.87510 |
| ## | 1284 | 38.06 | 38.14 | 28.76950 |
| ## | 1285 | 37.86 | 37.87 | 28.56583 |
| ## | 1286 | 38.05 | 38.30 | 28.89018 |
| ## | 1287 | 38.60 | 37.86 | 28.55828 |
| | | | | |
| ## | 1288 | 37.22 | 37.61 | 28.36970 |
| ## | 1289 | 38.08 | 38.30 | 28.89018 |
| ## | 1290 | 38.23 | 37.92 | 28.60354 |
| ## | 1291 | 38.08 | 37.40 | 28.21130 |
| ## | 1292 | 37.15 | 38.00 | 28.66390 |
| ## | 1293 | 38.60 | 38.47 | 29.01841 |
| ## | 1294 | 38.65 | 38.46 | 29.01087 |
| ## | 1295 | 38.30 | 38.07 | 28.71669 |
| ## | 1296 | 38.06 | 38.49 | 29.03351 |
| ## | 1297 | 38.66 | 38.28 | 28.87510 |
| ## | 1298 | 38.07 | 39.06 | 29.46346 |
| ## | 1299 | 39.13 | 39.21 | 29.57660 |
| ## | 1300 | | | 29.59924 |
| | 1300 | 39.33 | 39.24 | |
| ## | | 39.51 | 40.37 | 30.45161 |
| ## | 1302 | 40.43 | 40.63 | 30.64773 |
| ## | 1303 | 40.70 | 40.40 | 30.47425 |
| ## | 1304 | 39.45 | 39.32 | 29.65959 |
| ## | 1305 | 39.46 | 39.95 | 30.13479 |
| ## | 1306 | 40.47 | 40.44 | 30.50441 |
| ## | 1307 | 40.75 | 41.03 | 30.94945 |
| ## | 1308 | 40.86 | 40.54 | 30.57984 |
| ## | 1309 | 41.02 | 43.39 | 32.72964 |
| ## | 1310 | 43.62 | 43.58 | 32.87295 |
| ## | 1311 | 43.64 | 44.70 | 33.71778 |
| ## | 1312 | 44.87 | 44.57 | 33.61972 |
| ## | 1313 | 44.44 | | 33.94408 |
| | | | 45.00 | |
| ## | 1314 | 44.53 | 45.38 | 34.23071 |
| ## | 1315 | 45.53 | 45.12 | 34.03459 |
| ## | 1316 | 44.72 | 44.65 | 33.68006 |
| ## | 1317 | 44.45 | 45.16 | 34.06477 |
| ## | 1318 | 45.48 | 46.17 | 34.82662 |
| ## | 1319 | 45.92 | 45.89 | 34.61542 |
| ## | 1320 | 45.76 | 46.27 | 34.90206 |
| ## | 1321 | 45.92 | 45.67 | 34.44947 |
| ## | 1322 | 46.08 | 45.98 | 34.68330 |
| ## | 1323 | 45.75 | 46.13 | 34.79646 |
| ## | 1324 | 45.74 | 45.42 | 34.48515 |
| ## | 1325 | 44.68 | 44.41 | 33.71831 |
| ## | 1326 | 44.13 | 44.34 | 33.66516 |
| ## | 1327 | 43.19 | 43.89 | 33.32351 |
| | | | | |
| ## | 1328 | 43.88 | 42.96 | 32.61740 |
| ## | 1329 | 43.59 | 44.01 | 33.41461 |
| ## | 1330 | 44.12 | 44.84 | 34.04478 |
| ## | 1331 | 44.95 | 43.21 | 32.80721 |
| ## | 1332 | 43.38 | 43.33 | 32.89833 |
| ## | 1333 | 43.69 | 43.90 | 33.33109 |
| ## | 1334 | 43.62 | 43.29 | 32.86796 |
| | | | | |

| ## | 1335 | 43.44 | 43.22 | 32.81480 |
|----|------|-------|-------|----------|
| ## | 1336 | 43.51 | 42.72 | 32.43519 |
| ## | 1337 | 41.92 | 42.85 | 32.53389 |
| ## | 1338 | 42.98 | 43.28 | 32.86036 |
| ## | 1339 | 43.65 | 43.16 | 32.76924 |
| ## | 1340 | 43.22 | 43.80 | 33.25518 |
| ## | 1341 | 43.94 | 43.34 | 32.90593 |
| | | | | |
| ## | 1342 | 43.33 | 42.98 | 32.63259 |
| ## | 1343 | 43.00 | 43.79 | 33.24759 |
| ## | 1344 | 43.46 | 43.20 | 32.79964 |
| ## | 1345 | 43.38 | 43.01 | 32.65537 |
| ## | 1346 | 42.33 | 41.75 | 31.69870 |
| ## | 1347 | 41.43 | 41.78 | 31.72148 |
| ## | 1348 | 41.50 | 41.38 | 31.41779 |
| ## | 1349 | 40.72 | 40.64 | 30.85594 |
| ## | 1350 | 41.23 | 40.74 | 30.93186 |
| ## | 1351 | 37.14 | 36.96 | 28.06190 |
| ## | 1352 | 36.10 | 35.79 | 27.17358 |
| ## | 1353 | 36.19 | 36.24 | 27.51525 |
| ## | 1354 | 36.79 | 35.46 | 26.92302 |
| ## | 1355 | 35.04 | 33.93 | 25.76137 |
| | | | | |
| ## | 1356 | 33.99 | 33.49 | 25.42730 |
| ## | 1357 | 33.52 | 32.51 | 24.68323 |
| ## | 1358 | 33.32 | 34.01 | 25.82210 |
| ## | 1359 | 33.62 | 34.26 | 26.01193 |
| ## | 1360 | 34.44 | 33.97 | 25.79174 |
| ## | 1361 | 34.00 | 33.50 | 25.43489 |
| ## | 1362 | 33.98 | 33.63 | 25.53360 |
| ## | 1363 | 33.30 | 32.96 | 25.02490 |
| ## | 1364 | 32.96 | 33.15 | 25.16916 |
| ## | 1365 | 32.41 | 31.93 | 24.24286 |
| ## | 1366 | 32.16 | 31.00 | 23.53677 |
| ## | 1367 | 30.89 | 31.99 | 24.28843 |
| ## | 1368 | 32.71 | 33.07 | 25.10841 |
| ## | 1369 | 33.77 | 32.81 | 24.91102 |
| ## | 1370 | 32.77 | 33.68 | 25.57156 |
| | | | | |
| ## | 1371 | 34.37 | 32.82 | 24.91860 |
| ## | 1372 | 32.88 | 33.77 | 25.63989 |
| ## | 1373 | 33.69 | 34.30 | 26.04229 |
| ## | 1374 | 34.41 | 34.65 | 26.30803 |
| ## | 1375 | 34.89 | 35.03 | 26.59654 |
| ## | 1376 | 34.71 | 34.62 | 26.28525 |
| ## | 1377 | 34.99 | 35.38 | 26.86229 |
| ## | 1378 | 36.03 | 36.45 | 27.67468 |
| ## | 1379 | 36.49 | 35.51 | 26.96098 |
| ## | 1380 | 36.02 | 35.99 | 27.32543 |
| ## | 1381 | 35.26 | 35.32 | 26.81672 |
| ## | 1382 | 36.06 | 35.71 | 27.11283 |
| ## | 1383 | 35.64 | 36.78 | 27.92523 |
| ## | 1384 | 35.32 | 35.88 | 27.24190 |
| ## | 1385 | 36.70 | 35.73 | 27.12802 |
| | | | | |
| ## | 1386 | 36.27 | 36.28 | 27.54561 |
| ## | 1387 | 35.96 | 35.88 | 27.46905 |
| ## | 1388 | 35.61 | 34.38 | 26.32068 |

| ## | 1389 | 33.92 | 33.90 | 25.95320 |
|----|------|-------|-------|----------|
| ## | 1390 | 33.81 | 33.96 | 25.99913 |
| ## | 1391 | 34.22 | 34.25 | 26.22115 |
| ## | 1392 | 34.21 | 34.59 | 26.48145 |
| ## | 1393 | 34.33 | 34.04 | 26.06038 |
| ## | 1394 | 35.06 | 36.07 | 27.61451 |
| | | | | |
| ## | 1395 | 35.76 | 35.09 | 26.86424 |
| ## | 1396 | 35.44 | 34.99 | 26.78768 |
| ## | 1397 | 34.75 | 34.96 | 26.76471 |
| ## | 1398 | 35.02 | 34.46 | 26.38192 |
| ## | 1399 | 34.05 | 33.90 | 25.95320 |
| ## | 1400 | 33.24 | 34.44 | 26.36661 |
| ## | 1401 | 34.58 | 34.73 | 26.58863 |
| ## | 1402 | 34.98 | 35.17 | 26.92548 |
| ## | 1403 | 35.78 | 35.81 | 27.41546 |
| ## | 1404 | 36.01 | 36.89 | 28.24229 |
| ## | 1405 | 36.50 | 36.14 | 27.66810 |
| ## | 1406 | 36.11 | 36.00 | 27.56091 |
| | | | | |
| ## | 1407 | 36.19 | 36.00 | 27.56091 |
| ## | 1408 | 35.62 | 35.17 | 26.92548 |
| ## | 1409 | 35.82 | 36.09 | 27.62981 |
| ## | 1410 | 36.24 | 36.30 | 27.79060 |
| ## | 1411 | 36.57 | 37.01 | 28.33416 |
| ## | 1412 | 36.85 | 37.16 | 28.44899 |
| ## | 1413 | 36.72 | 36.92 | 28.26525 |
| ## | 1414 | 36.76 | 36.97 | 28.30353 |
| ## | 1415 | 36.87 | 36.99 | 28.31884 |
| ## | 1416 | 37.42 | 37.10 | 28.40306 |
| ## | 1417 | 37.07 | 37.07 | 28.38010 |
| ## | 1418 | 37.18 | 37.10 | 28.40306 |
| ## | 1419 | 37.20 | 36.98 | 28.31119 |
| ## | 1420 | 36.92 | 37.37 | 28.60976 |
| | | | | 29.12270 |
| ## | 1421 | 37.63 | 38.04 | |
| ## | 1422 | 37.88 | 37.83 | 28.96194 |
| ## | 1423 | 37.81 | 37.23 | 28.50258 |
| ## | 1424 | 36.94 | 37.17 | 28.45664 |
| ## | 1425 | 37.31 | 37.23 | 28.50258 |
| ## | 1426 | 37.10 | 37.13 | 28.42602 |
| ## | 1427 | 37.32 | 37.30 | 28.55618 |
| ## | 1428 | 37.06 | 36.90 | 28.24994 |
| ## | 1429 | 37.14 | 37.14 | 28.43369 |
| ## | 1430 | 36.98 | 37.01 | 28.33416 |
| ## | 1431 | 37.08 | 37.11 | 28.41072 |
| ## | 1432 | 37.58 | 38.69 | 29.62034 |
| ## | 1433 | 39.04 | 39.30 | 30.08733 |
| ## | 1434 | 39.23 | 38.76 | 29.67391 |
| ## | 1434 | 38.80 | 39.60 | 30.31701 |
| | | | | |
| ## | 1436 | 39.88 | 39.92 | 30.56200 |
| ## | 1437 | 39.84 | 41.40 | 31.69504 |
| ## | 1438 | 41.96 | 41.57 | 31.82521 |
| ## | 1439 | 41.00 | 41.19 | 31.53429 |
| ## | 1440 | 41.05 | 41.26 | 31.58787 |
| ## | 1441 | 41.33 | 41.34 | 31.64913 |
| ## | 1442 | 40.96 | 41.25 | 31.58021 |
| | | | | |

| ## | 1443 | 41.53 | 40.88 | 31.29695 |
|----|------|-------|-------|----------|
| ## | 1444 | 40.61 | 41.23 | 31.56491 |
| ## | 1445 | 41.55 | 40.55 | 31.04431 |
| ## | 1446 | 40.15 | 40.24 | 30.80699 |
| ## | 1447 | 40.40 | 40.68 | 31.14383 |
| ## | 1448 | 40.42 | 40.48 | 30.99073 |
| ## | 1449 | 40.88 | 40.97 | 31.36585 |
| | | | | |
| ## | 1450 | 41.14 | 40.92 | 31.32757 |
| ## | 1451 | 40.83 | 40.86 | 31.51267 |
| ## | 1452 | 41.16 | 41.82 | 32.25306 |
| ## | 1453 | 42.04 | 41.71 | 32.16823 |
| ## | 1454 | 41.33 | 41.66 | 32.12966 |
| ## | 1455 | 41.77 | 41.38 | 31.91371 |
| ## | 1456 | 41.55 | 41.77 | 32.21450 |
| ## | 1457 | 42.37 | 42.10 | 32.46901 |
| ## | 1458 | 41.60 | 41.62 | 32.09880 |
| ## | 1459 | 41.91 | 42.38 | 32.68495 |
| ## | 1460 | 42.79 | 42.83 | 33.03201 |
| ## | 1461 | 42.93 | 43.32 | 33.40991 |
| ## | 1462 | 43.09 | 43.01 | 33.17084 |
| ## | 1463 | 42.80 | | 32.63868 |
| | | | 42.32 | |
| ## | 1464 | 42.25 | 42.09 | 32.46129 |
| ## | 1465 | 41.47 | 41.33 | 31.87516 |
| ## | 1466 | 41.68 | 41.71 | 32.16823 |
| ## | 1467 | 42.24 | 41.67 | 32.13737 |
| ## | 1468 | 41.42 | 41.16 | 31.74405 |
| ## | 1469 | 41.45 | 41.68 | 32.14508 |
| ## | 1470 | 41.70 | 42.84 | 33.03972 |
| ## | 1471 | 43.04 | 42.42 | 32.71581 |
| ## | 1472 | 42.33 | 42.27 | 32.60012 |
| ## | 1473 | 42.57 | 42.88 | 33.07056 |
| ## | 1474 | 42.01 | 40.48 | 31.21960 |
| ## | 1475 | 41.28 | 40.40 | 31.15791 |
| ## | 1476 | 40.31 | 40.62 | 31.32758 |
| ## | 1477 | 40.85 | 40.58 | 31.29674 |
| ## | 1478 | 40.18 | 40.04 | 30.88026 |
| | | | | |
| ## | 1479 | 40.21 | 39.29 | 30.30185 |
| ## | 1480 | 39.06 | 39.39 | 30.37896 |
| ## | 1481 | 39.43 | 39.53 | 30.48692 |
| ## | 1482 | 40.09 | 40.59 | 31.30444 |
| ## | 1483 | 40.33 | 40.70 | 31.38928 |
| ## | 1484 | 40.94 | 40.73 | 31.41241 |
| ## | 1485 | 41.10 | 41.09 | 31.69007 |
| ## | 1486 | 40.79 | 40.88 | 31.52810 |
| ## | 1487 | 40.87 | 40.75 | 31.42783 |
| ## | 1488 | 40.49 | 40.83 | 31.48953 |
| ## | 1489 | 41.15 | 41.22 | 31.79032 |
| ## | 1490 | 40.99 | 41.08 | 31.68234 |
| ## | 1491 | 41.27 | 40.81 | 31.47411 |
| ## | 1492 | 40.78 | 40.57 | 31.28902 |
| ## | 1493 | 40.78 | | 31.77488 |
| | | | 41.20 | |
| ## | 1494 | 41.25 | 41.47 | 31.98314 |
| ## | 1495 | 41.84 | 42.56 | 32.82378 |
| ## | 1496 | 42.54 | 42.31 | 32.63097 |

| ## | 1497 | 42.60 | 42.64 | 32.88548 |
|----|------|-------|-------|----------|
| ## | 1498 | 43.00 | 42.77 | 32.98574 |
| ## | 1499 | 42.65 | 42.78 | 32.99345 |
| ## | 1500 | 42.77 | 42.81 | 33.01659 |
| ## | 1501 | 43.00 | 43.48 | 33.53331 |
| ## | 1502 | 43.83 | 43.87 | 33.83409 |
| ## | 1503 | 43.99 | 43.53 | 33.57187 |
| ## | 1504 | 43.69 | 44.53 | 34.34310 |
| ## | 1505 | 43.82 | 44.00 | 33.93435 |
| ## | 1506 | 43.72 | 43.92 | 33.87265 |
| ## | 1507 | 43.72 | 43.96 | 33.90351 |
| ## | 1507 | 43.96 | 43.63 | 33.64899 |
| ## | 1509 | | | 33.34821 |
| | | 43.10 | 43.24 | |
| ## | 1510 | 43.10 | 43.97 | 33.91122 |
| ## | 1511 | 44.98 | 44.66 | 34.67998 |
| ## | 1512 | 44.74 | 44.57 | 34.61010 |
| ## | 1513 | 44.45 | 45.36 | 35.22356 |
| ## | 1514 | 45.09 | 45.41 | 35.26238 |
| ## | 1515 | 45.40 | 45.50 | 35.33228 |
| ## | 1516 | 45.56 | 45.47 | 35.30897 |
| ## | 1517 | 45.89 | 46.15 | 35.83701 |
| ## | 1518 | 45.97 | 46.14 | 35.82925 |
| ## | 1519 | 45.89 | 45.88 | 35.62735 |
| ## | 1520 | 45.49 | 46.35 | 35.99233 |
| ## | 1521 | 45.91 | 46.82 | 36.35729 |
| ## | 1522 | 46.40 | 46.44 | 36.06221 |
| ## | 1523 | 46.38 | 46.46 | 36.07774 |
| ## | 1524 | 46.25 | 46.54 | 36.13987 |
| ## | 1525 | 46.23 | 46.23 | 35.89914 |
| ## | 1526 | 46.24 | 46.37 | 36.00785 |
| ## | 1527 | 46.74 | 47.16 | 36.62132 |
| ## | 1528 | 46.84 | 46.64 | 36.21752 |
| ## | 1529 | 46.28 | 47.12 | 36.59026 |
| ## | 1530 | 47.04 | 47.13 | 36.59802 |
| ## | 1531 | 47.01 | 47.05 | 36.53590 |
| ## | 1532 | 47.40 | 47.85 | 37.15713 |
| ## | 1533 | 47.54 | 47.68 | 37.02512 |
| ## | 1534 | 47.94 | 48.79 | 37.88707 |
| ## | 1535 | 48.42 | 48.61 | 37.74730 |
| ## | 1536 | 48.65 | 48.23 | 37.45221 |
| ## | 1537 | 48.33 | 48.63 | 37.76283 |
| ## | 1538 | 48.51 | 48.66 | 37.78611 |
| ## | 1539 | 48.80 | 49.14 | 38.15886 |
| ## | 1540 | 49.35 | 48.68 | 37.80165 |
| ## | 1541 | 48.40 | 49.22 | 38.22099 |
| ## | 1542 | 49.35 | 48.88 | 37.95694 |
| ## | 1543 | 49.12 | 49.45 | 38.39957 |
| ## | 1544 | 49.35 | 48.61 | 37.74730 |
| ## | 1545 | 48.41 | 48.25 | 37.46775 |
| ## | 1546 | 48.63 | 48.91 | 37.98024 |
| ## | 1547 | 49.10 | 47.70 | 37.04065 |
| ## | 1548 | 48.22 | 47.60 | 36.96299 |
| ## | 1549 | 47.85 | 49.28 | 38.26757 |
| ## | 1550 | 49.16 | 48.92 | 37.98801 |
| | | | | |

| ## | 1551 | 48.60 | 48.91 | 37.98024 |
|----|--------------|-------|-------|----------|
| ## | 1552 | 48.73 | 49.10 | 38.12780 |
| ## | 1553 | 49.49 | 49.49 | 38.43065 |
| ## | 1554 | 49.88 | 50.03 | 38.84997 |
| | | | | |
| ## | 1555 | 50.05 | 50.63 | 39.31589 |
| ## | 1556 | 50.59 | 50.20 | 38.98198 |
| ## | 1557 | 50.23 | 50.48 | 39.19941 |
| ## | 1558 | 50.35 | 50.28 | 39.04411 |
| ## | 1559 | 50.29 | 50.16 | 38.95092 |
| ## | 1560 | 50.25 | 51.00 | 39.60319 |
| ## | 1561 | 49.97 | | 38.84220 |
| | | | 50.02 | |
| ## | 1562 | 49.19 | 49.51 | 38.44617 |
| ## | 1563 | 49.65 | 49.20 | 38.20543 |
| ## | 1564 | 49.57 | 49.12 | 38.14332 |
| ## | 1565 | 48.79 | 48.35 | 37.54539 |
| ## | 1566 | 48.63 | 48.78 | 37.87930 |
| ## | 1567 | 49.04 | 48.52 | 37.67740 |
| ## | 1568 | 48.74 | 48.64 | 37.77059 |
| | | | | |
| ## | 1569 | 48.20 | 47.77 | 37.09501 |
| ## | 1570 | 47.84 | 47.46 | 36.85428 |
| ## | 1571 | 47.55 | 47.83 | 37.14160 |
| ## | 1572 | 48.01 | 48.28 | 37.49104 |
| ## | 1573 | 48.03 | 46.85 | 36.60807 |
| ## | 1574 | 46.96 | 47.49 | 37.10815 |
| ## | 1575 | 46.79 | 47.91 | 37.43634 |
| | | | | |
| ## | 1576 | 47.88 | 48.58 | 37.95987 |
| ## | 1577 | 48.74 | 48.68 | 38.03801 |
| ## | 1578 | 48.94 | 49.25 | 38.48340 |
| ## | 1579 | 49.21 | 49.31 | 38.53028 |
| ## | 1580 | 48.90 | 49.01 | 38.29587 |
| ## | 1581 | 48.39 | 47.93 | 37.45197 |
| ## | 1582 | 48.43 | 48.49 | 37.88953 |
| ## | 1583 | | 46.79 | 36.56117 |
| | | 48.11 | | |
| ## | 1584 | 46.80 | 46.64 | 36.44397 |
| ## | 1585 | 47.15 | 47.23 | 36.90499 |
| ## | 1586 | 47.40 | 47.35 | 36.99876 |
| ## | 1587 | 47.68 | 48.17 | 37.63951 |
| ## | 1588 | 48.32 | 48.72 | 38.06927 |
| ## | 1589 | 49.02 | 49.00 | 38.28806 |
| ## | 1590 | 48.86 | 48.88 | 38.19429 |
| ## | | | 48.92 | |
| | 1591 | 49.08 | | 38.22554 |
| ## | 1592 | 48.96 | 49.01 | 38.29587 |
| ## | 1593 | 48.76 | 48.01 | 37.51448 |
| ## | 1594 | 48.25 | 48.08 | 37.56918 |
| ## | 1595 | 48.63 | 47.57 | 37.17066 |
| ## | 1596 | 47.71 | 48.18 | 37.64731 |
| ## | 1597 | 48.57 | 49.14 | 38.39745 |
| ## | 1598 | 49.22 | 49.76 | 38.88189 |
| | | | | |
| ## | 1599 | 49.70 | 49.04 | 38.31930 |
| ## | 1600 | 49.05 | 48.96 | 38.25679 |
| ## | 1601 | 48.84 | 49.67 | 38.81158 |
| ## | 1602 | 49.77 | 50.23 | 39.24917 |
| ## | 1603 | 50.20 | 51.09 | 39.92115 |
| ## | 1604 | 50.87 | 50.97 | 39.82739 |
| | - | | | |

| ## | 1605 | 51.26 | 52.30 | 40.86664 |
|----|------|-------|-------|----------|
| ## | 1606 | 52.28 | 52.29 | 40.85882 |
| ## | 1607 | 52.53 | 53.02 | 41.42924 |
| ## | 1608 | 53.43 | 53.63 | 41.90588 |
| ## | 1609 | 52.82 | 53.35 | 41.68710 |
| ## | 1610 | 52.90 | 53.66 | 41.92933 |
| | | | | |
| ## | 1611 | 54.56 | 54.60 | 42.66382 |
| ## | 1612 | 54.09 | 54.67 | 42.71852 |
| ## | 1613 | 54.60 | 55.62 | 43.46085 |
| ## | 1614 | 55.71 | 54.59 | 42.65602 |
| ## | 1615 | 54.60 | 54.49 | 42.57789 |
| ## | 1616 | 54.54 | 54.04 | 42.22625 |
| ## | 1617 | 53.78 | 53.03 | 41.43705 |
| ## | 1618 | 52.84 | 53.50 | 41.80430 |
| ## | 1619 | 53.77 | 54.27 | 42.40596 |
| ## | 1620 | 54.64 | 54.36 | 42.47630 |
| ## | 1621 | 53.46 | 53.49 | 41.79649 |
| ## | 1622 | 53.90 | 53.18 | 41.55426 |
| ## | 1623 | 53.00 | 54.17 | 42.32783 |
| ## | 1624 | 54.04 | 53.13 | 41.51518 |
| ## | 1625 | 53.70 | 53.85 | 42.07778 |
| ## | 1626 | 54.03 | | 42.28095 |
| | | | 54.11 | |
| ## | 1627 | 53.99 | 53.55 | 41.84336 |
| ## | 1628 | 53.08 | 52.48 | 41.00728 |
| ## | 1629 | 52.96 | 51.96 | 40.60097 |
| ## | 1630 | 50.88 | 50.92 | 39.78831 |
| ## | 1631 | 51.51 | 52.08 | 40.69473 |
| ## | 1632 | 52.65 | 52.50 | 41.02291 |
| ## | 1633 | 53.03 | 53.15 | 41.53081 |
| ## | 1634 | 53.12 | 52.79 | 41.24952 |
| ## | 1635 | 53.22 | 52.49 | 41.01510 |
| ## | 1636 | 52.57 | 52.80 | 41.55818 |
| ## | 1637 | 52.31 | 52.77 | 41.53458 |
| ## | 1638 | 53.36 | 53.99 | 42.49482 |
| ## | 1639 | 54.54 | 54.70 | 43.05366 |
| ## | 1640 | 55.07 | 54.89 | 43.20320 |
| ## | 1641 | 54.77 | 54.83 | 43.15597 |
| | | | | |
| ## | 1642 | 55.84 | 55.14 | 43.39996 |
| ## | 1643 | 55.51 | 54.97 | 43.26617 |
| ## | 1644 | 55.49 | 54.89 | 43.20320 |
| ## | 1645 | 54.90 | 55.01 | 43.29764 |
| ## | 1646 | 55.05 | 55.27 | 43.50230 |
| ## | 1647 | 55.51 | 56.37 | 44.36808 |
| ## | 1648 | 56.51 | 56.16 | 44.20280 |
| ## | 1649 | 56.17 | 56.56 | 44.51763 |
| ## | 1650 | 56.72 | 56.67 | 44.60421 |
| ## | 1651 | 56.92 | 56.63 | 44.57274 |
| ## | 1652 | 56.45 | 56.50 | 44.47041 |
| ## | 1653 | 56.06 | 56.05 | 44.11622 |
| ## | 1654 | 55.98 | 55.69 | 43.83287 |
| ## | 1655 | 55.87 | 55.33 | 43.54951 |
| ## | 1656 | 55.58 | 55.73 | 43.86436 |
| ## | 1657 | 56.36 | 56.54 | 44.50190 |
| | | | | |
| ## | 1658 | 56.27 | 56.49 | 44.46254 |

| ## | 1659 | 56.33 | 56.10 | 44.15557 |
|----|------|-------|-------|----------|
| ## | 1660 | 55.99 | 55.49 | 43.67545 |
| ## | 1661 | 55.06 | 55.30 | 43.52590 |
| ## | 1662 | 55.42 | 54.83 | 43.15597 |
| ## | 1663 | 54.69 | 54.52 | 42.91198 |
| | | | | |
| ## | 1664 | 54.04 | 54.09 | 42.57353 |
| ## | 1665 | 54.22 | 54.29 | 42.73095 |
| ## | 1666 | 54.33 | 54.15 | 42.62076 |
| ## | 1667 | 53.52 | 53.29 | 41.94386 |
| ## | 1668 | 53.07 | 53.29 | 41.94386 |
| ## | 1669 | 52.89 | 51.83 | 40.79472 |
| ## | 1670 | 51.78 | 52.12 | 41.02297 |
| | | | | |
| ## | 1671 | 51.92 | 51.63 | 40.63730 |
| ## | 1672 | 52.00 | 52.21 | 41.09380 |
| ## | 1673 | 52.27 | 52.32 | 41.18039 |
| ## | 1674 | 52.16 | 51.80 | 40.77110 |
| ## | 1675 | 51.02 | 50.60 | 39.82660 |
| ## | 1676 | 50.33 | 50.58 | 39.81085 |
| ## | 1677 | 50.59 | 50.70 | 39.90530 |
| ## | 1678 | 50.82 | 50.53 | 39.77151 |
| | | | | |
| ## | 1679 | 51.25 | 51.13 | 40.24376 |
| ## | 1680 | 51.16 | 51.87 | 40.82620 |
| ## | 1681 | 52.03 | 52.11 | 41.01509 |
| ## | 1682 | 52.41 | 52.56 | 41.36929 |
| ## | 1683 | 52.78 | 52.86 | 41.60542 |
| ## | 1684 | 53.83 | 53.67 | 42.24295 |
| ## | 1685 | 53.37 | 53.26 | 41.92025 |
| ## | 1686 | 53.43 | 52.24 | 41.11743 |
| | | | | |
| ## | 1687 | 52.29 | 52.59 | 41.39290 |
| ## | 1688 | 53.45 | 53.14 | 41.82581 |
| ## | 1689 | 53.19 | 53.09 | 41.78645 |
| ## | 1690 | 52.69 | 53.41 | 42.03831 |
| ## | 1691 | 53.63 | 52.75 | 41.51883 |
| ## | 1692 | 52.95 | 52.80 | 41.55818 |
| ## | 1693 | 52.08 | 51.46 | 40.50348 |
| ## | 1694 | 51.01 | 50.32 | 39.60622 |
| | | | | |
| ## | 1695 | 50.22 | 51.70 | 40.69239 |
| ## | 1696 | 51.93 | 51.89 | 40.84193 |
| ## | 1697 | 51.50 | 52.24 | 41.11743 |
| ## | 1698 | 51.73 | 51.69 | 40.68453 |
| ## | 1699 | 51.64 | 51.96 | 40.89704 |
| ## | 1700 | 51.32 | 52.09 | 41.30141 |
| ## | 1701 | 52.00 | 51.94 | 41.18248 |
| ## | 1702 | 52.07 | 52.67 | 41.76128 |
| ## | | | | 41.09526 |
| | 1703 | 52.29 | 51.83 | |
| ## | 1704 | 51.83 | 50.87 | 40.33408 |
| ## | 1705 | 51.17 | 50.75 | 40.23895 |
| ## | 1706 | 51.84 | 52.52 | 41.64234 |
| ## | 1707 | 52.96 | 52.51 | 41.63441 |
| ## | 1708 | 51.94 | 52.71 | 41.79300 |
| ## | 1709 | 52.91 | 52.31 | 41.47583 |
| ## | 1710 | 52.61 | 54.00 | 42.81581 |
| ## | 1711 | | 54.21 | 42.98233 |
| | | 53.79 | | |
| ## | 1712 | 54.26 | 54.30 | 43.05368 |

| ## | 1713 | 54.27 | 54.27 | 43.02990 |
|----|------|-------|-------|----------|
| ## | 1714 | 54.65 | 53.62 | 42.51452 |
| ## | 1715 | 53.31 | 52.75 | 41.82470 |
| ## | 1716 | 52.84 | 52.48 | 41.61063 |
| ## | 1717 | 52.16 | 52.77 | 41.84057 |
| | | | | |
| ## | 1718 | 52.89 | 52.68 | 41.76922 |
| ## | 1719 | 52.83 | 52.73 | 41.80885 |
| ## | 1720 | 53.00 | 52.60 | 41.70578 |
| ## | 1721 | 52.65 | 51.54 | 40.86532 |
| ## | 1722 | 51.45 | 52.51 | 41.63441 |
| ## | 1723 | 52.74 | 52.04 | 41.26177 |
| ## | 1724 | 51.85 | 51.95 | 41.19040 |
| ## | 1725 | 52.26 | 52.10 | 41.30934 |
| | | | | |
| ## | 1726 | 52.13 | 51.65 | 40.95254 |
| ## | 1727 | 51.83 | 53.96 | 42.78410 |
| ## | 1728 | 53.91 | 54.10 | 42.89510 |
| ## | 1729 | 53.93 | 53.97 | 42.79203 |
| ## | 1730 | 53.52 | 54.14 | 42.92682 |
| ## | 1731 | 54.26 | 54.40 | 43.13298 |
| ## | 1732 | 54.27 | 54.87 | 43.50561 |
| ## | 1733 | 55.49 | 55.74 | 44.19544 |
| ## | 1734 | 55.97 | 56.15 | 44.52052 |
| ## | 1735 | 56.43 | 56.10 | 44.48087 |
| | 1736 | | | 45.36891 |
| ## | | 56.28 | 57.22 | |
| ## | 1737 | 57.25 | 57.46 | 45.55920 |
| ## | 1738 | 57.50 | 57.65 | 45.70984 |
| ## | 1739 | 57.63 | 57.17 | 45.32927 |
| ## | 1740 | 57.58 | 57.48 | 45.57506 |
| ## | 1741 | 57.58 | 57.22 | 45.36891 |
| ## | 1742 | 57.10 | 56.98 | 45.17863 |
| ## | 1743 | 56.89 | 56.86 | 45.08347 |
| ## | 1744 | 56.44 | 57.19 | 45.34513 |
| ## | 1745 | 56.71 | 55.82 | 44.25887 |
| ## | 1746 | 56.57 | 56.06 | 44.44917 |
| | | | | 44.80595 |
| ## | 1747 | 56.28 | 56.51 | |
| ## | 1748 | 56.49 | 56.70 | 44.95661 |
| ## | 1749 | 56.54 | 56.07 | 44.45710 |
| ## | 1750 | 56.05 | 56.31 | 44.64738 |
| ## | 1751 | 56.37 | 56.17 | 44.53638 |
| ## | 1752 | 56.34 | 56.42 | 44.73460 |
| ## | 1753 | 56.66 | 55.72 | 44.17958 |
| ## | 1754 | 55.84 | 57.24 | 45.38477 |
| ## | 1755 | 57.10 | 57.23 | 45.37683 |
| ## | 1756 | 57.21 | 57.70 | 45.74950 |
| ## | 1757 | 57.97 | 58.24 | 46.17765 |
| ## | 1758 | 58.07 | 58.25 | 46.18558 |
| ## | 1759 | 58.35 | 58.20 | |
| | | | | 46.14594 |
| ## | 1760 | 58.17 | 58.14 | 46.09837 |
| ## | 1761 | 58.14 | 57.95 | 45.94772 |
| ## | 1762 | 58.20 | 58.48 | 46.36795 |
| ## | 1763 | 58.31 | 58.21 | 46.45573 |
| ## | 1764 | 58.29 | 58.66 | 46.81485 |
| ## | 1765 | 59.16 | 59.00 | 47.08621 |
| ## | 1766 | 59.29 | 58.32 | 46.54352 |
| | | | | |

| ## | 1767 | 58.54 | 58.87 | 46.98245 |
|----|------|-------|-------|----------|
| ## | 1768 | 58.98 | 58.76 | 46.89467 |
| ## | 1769 | 58.67 | 58.49 | 46.67919 |
| | | | | |
| ## | 1770 | 58.51 | 57.70 | 46.04872 |
| ## | 1771 | 58.30 | 57.74 | 46.08064 |
| ## | 1772 | 57.73 | 59.49 | 47.47726 |
| ## | 1773 | 58.79 | 58.99 | 47.07822 |
| ## | 1774 | 59.21 | 58.11 | 46.37593 |
| ## | 1775 | 58.09 | 58.17 | 46.42380 |
| | | | | |
| ## | 1776 | 58.33 | 57.59 | 45.96092 |
| ## | 1777 | 57.09 | 56.47 | 45.06708 |
| ## | 1778 | 56.00 | 55.09 | 43.96574 |
| ## | 1779 | 55.08 | 55.09 | 43.96574 |
| ## | 1780 | 55.39 | 55.74 | 44.48449 |
| | | | | |
| ## | 1781 | 54.96 | 55.53 | 44.31691 |
| ## | 1782 | 56.07 | 56.00 | 44.69199 |
| ## | 1783 | 55.50 | 55.36 | 44.18122 |
| ## | 1784 | 55.50 | 54.31 | 43.34327 |
| ## | 1785 | 54.72 | 54.95 | 43.85402 |
| ## | 1786 | 55.10 | 55.21 | 44.06153 |
| | | | | |
| ## | 1787 | 55.35 | 56.48 | 45.07506 |
| ## | 1788 | 56.65 | 56.62 | 45.18680 |
| ## | 1789 | 56.77 | 56.74 | 45.28257 |
| ## | 1790 | 56.61 | 57.43 | 45.83324 |
| ## | 1791 | 57.34 | 57.52 | 45.90506 |
| ## | 1792 | 57.07 | 58.03 | 46.31207 |
| | | | | |
| ## | 1793 | 57.89 | 58.15 | 46.40784 |
| ## | 1794 | 58.02 | 58.49 | 46.67919 |
| ## | 1795 | 58.36 | 57.26 | 45.69756 |
| ## | 1796 | 57.53 | 57.58 | 45.95295 |
| ## | 1797 | 57.59 | 57.61 | 45.97689 |
| ## | 1798 | 57.62 | 58.03 | 46.31207 |
| | | | | |
| ## | 1799 | 57.90 | 57.03 | 45.51400 |
| ## | 1800 | 57.37 | 56.75 | 45.29054 |
| ## | 1801 | 56.78 | 56.69 | 45.24265 |
| ## | 1802 | 56.57 | 56.82 | 45.34641 |
| ## | 1803 | 56.30 | 56.21 | 44.85959 |
| ## | | | | |
| | 1804 | 56.95 | 57.26 | 45.69756 |
| ## | 1805 | 57.48 | 58.16 | 46.41583 |
| ## | 1806 | 58.51 | 58.90 | 47.00640 |
| ## | 1807 | 59.35 | 59.40 | 47.40543 |
| ## | 1808 | 59.14 | 59.20 | 47.24582 |
| ## | 1809 | 59.42 | 58.19 | 46.43976 |
| ## | 1810 | 57.70 | 57.92 | 46.22429 |
| | | | | |
| ## | 1811 | 58.00 | 57.42 | 45.82526 |
| ## | 1812 | 57.11 | 56.80 | 45.33046 |
| ## | 1813 | 57.21 | 57.58 | 45.95295 |
| ## | 1814 | 57.82 | 58.06 | 46.33602 |
| ## | 1815 | 57.99 | 58.30 | 46.52756 |
| ## | 1816 | | 60.11 | 47.97207 |
| | | 58.36 | | |
| ## | 1817 | 60.96 | 60.17 | 48.01995 |
| ## | 1818 | 60.37 | 61.07 | 48.73822 |
| ## | 1819 | 61.11 | 60.93 | 48.62648 |
| ## | 1820 | 61.24 | 59.90 | 47.80447 |
| | - | | | |

| ## | 1821 | 59.94 | 59.92 | 47.82043 |
|----|------|-------|-------|----------|
| ## | 1822 | 60.21 | 60.04 | 47.91621 |
| ## | 1823 | 60.83 | 60.71 | 48.45092 |
| ## | 1824 | 60.95 | 60.67 | 48.41900 |
| ## | 1825 | 60.37 | 60.48 | 48.57158 |
| ## | 1826 | 60.65 | 60.66 | 48.71613 |
| ## | 1827 | 61.02 | 59.81 | 48.03349 |
| ## | 1828 | 59.69 | 59.00 | 47.38299 |
| ## | 1829 | 58.80 | 58.85 | 47.26252 |
| ## | 1830 | 59.10 | 59.27 | 47.59982 |
| ## | 1831 | 59.35 | 57.40 | 46.09802 |
| ## | 1832 | 55.18 | 55.30 | 44.41151 |
| ## | 1833 | 55.85 | 54.96 | 44.13846 |
| ## | 1834 | 55.09 | 54.80 | 44.00996 |
| ## | 1835 | 55.00 | 55.26 | 44.37938 |
| ## | 1836 | 55.34 | 55.22 | 44.34726 |
| ## | 1837 | 55.26 | 55.03 | 44.19468 |
| ## | 1838 | 55.04 | 55.81 | 44.82109 |
| ## | 1839 | 55.80 | 56.05 | 45.01384 |
| ## | 1840 | 56.07 | 56.19 | 45.12627 |
| ## | 1841 | 56.31 | 55.70 | 44.73275 |
| ## | 1842 | 55.63 | 55.49 | 44.56411 |
| ## | 1843 | 55.73 | 56.10 | 45.05400 |
| ## | 1844 | 56.24 | 55.98 | 44.95762 |
| ## | 1845 | 55.92 | 55.72 | 44.74881 |
| ## | 1846 | 55.83 | 55.58 | 44.63638 |
| ## | 1847 | 53.88 | 54.22 | 43.54416 |
| ## | 1848 | 54.04 | 53.34 | 42.83742 |
| ## | 1849 | 53.55 | 54.05 | 43.40763 |
| ## | 1850 | 54.20 | 54.36 | 43.65659 |
| ## | 1851 | 54.22 | 54.01 | 43.37551 |
| ## | 1852 | 54.27 | 54.65 | 43.88950 |
| ## | 1853 | 54.74 | 54.62 | 43.86539 |
| ## | 1854 | 54.64 | 54.36 | 43.65659 |
| ## | 1855 | 54.20 | 53.51 | 42.97396 |
| ## | 1856 | 53.42 | 53.31 | 42.81334 |
| ## | 1857 | 53.08 | 53.83 | 43.23096 |
| ## | 1858 | 53.72 | 53.72 | 43.14261 |
| ## | 1859 | 54.05 | 54.12 | 43.46385 |
| ## | 1860 | 54.17 | 54.55 | 43.80919 |
| ## | 1861 | 54.55 | 54.53 | 43.79312 |
| ## | 1862 | 54.75 | 55.14 | 44.28301 |
| ## | 1863 | 55.09 | 55.45 | 44.53198 |
| ## | 1864 | 55.75 | 55.72 | 44.74881 |
| ## | 1865 | 55.58 | 55.57 | 44.62835 |
| ## | 1866 | 55.65 | 55.35 | 44.45167 |
| ## | 1867 | 55.09 | 55.60 | 44.65243 |
| ## | 1868 | 55.52 | 55.68 | 44.71670 |
| ## | 1869 | 55.91 | 56.63 | 45.47963 |
| ## | 1870 | 56.76 | 56.97 | 45.75269 |
| ## | 1871 | 56.91 | 57.42 | 46.11408 |
| ## | 1872 | 57.47 | 57.90 | 46.49958 |
| ## | 1873 | 57.48 | 57.27 | 45.99362 |
| ## | 1874 | 57.07 | 57.04 | 45.80890 |

| ## | 1875 | 57.03 | 57.04 | 45.80890 |
|----|------|-------|-------|----------|
| ## | 1876 | 56.85 | 56.87 | 45.67237 |
| ## | 1877 | 56.79 | 57.42 | 46.11408 |
| ## | 1878 | 57.29 | 57.78 | 46.40319 |
| ## | 1879 | 57.69 | 57.30 | 46.01771 |
| ## | 1880 | 57.69 | 57.55 | 46.21849 |
| | | | | |
| ## | 1881 | 57.54 | 58.19 | 46.73246 |
| ## | 1882 | 57.88 | 57.42 | 46.11408 |
| ## | 1883 | 57.22 | 57.53 | 46.20242 |
| ## | 1884 | 57.34 | 57.39 | 46.08999 |
| ## | 1885 | 57.33 | 57.53 | 46.20242 |
| ## | 1886 | 57.44 | 57.62 | 46.27470 |
| ## | 1887 | 57.15 | 57.57 | 46.55776 |
| ## | 1888 | 57.27 | 56.97 | 46.07253 |
| ## | 1889 | 57.23 | 57.05 | 46.13722 |
| ## | 1890 | 56.89 | 56.67 | 45.82991 |
| ## | 1891 | 56.35 | 55.76 | 45.09398 |
| ## | 1892 | 55.88 | 56.02 | 45.30424 |
| | | 55.06 | | |
| ## | 1893 | | 55.56 | 44.93224 |
| ## | 1894 | 55.29 | 55.80 | 45.12633 |
| ## | 1895 | 56.53 | 56.29 | 45.52259 |
| ## | 1896 | 57.95 | 58.27 | 47.12386 |
| ## | 1897 | 58.51 | 58.71 | 47.47968 |
| ## | 1898 | 58.56 | 57.86 | 46.79227 |
| ## | 1899 | 58.33 | 58.23 | 47.09152 |
| ## | 1900 | 58.12 | 58.24 | 47.09959 |
| ## | 1901 | 58.42 | 58.67 | 47.44735 |
| ## | 1902 | 58.76 | 59.00 | 47.71422 |
| ## | 1903 | 59.07 | 59.17 | 47.85169 |
| ## | 1904 | 58.92 | 59.01 | 47.72231 |
| ## | 1905 | 58.94 | 59.19 | 47.86787 |
| ## | 1906 | 59.13 | 58.64 | 47.42308 |
| | | | | |
| ## | 1907 | 59.02 | 58.91 | 47.64143 |
| ## | 1908 | 58.65 | 57.67 | 46.63863 |
| ## | 1909 | 57.39 | 56.48 | 45.67625 |
| ## | 1910 | 56.91 | 56.65 | 45.81373 |
| ## | 1911 | 56.43 | 56.06 | 45.33660 |
| ## | 1912 | 55.89 | 56.23 | 45.47408 |
| ## | 1913 | 56.63 | 55.91 | 45.21528 |
| ## | 1914 | 55.89 | 56.34 | 45.56304 |
| ## | 1915 | 56.54 | 56.32 | 45.54686 |
| ## | 1916 | 56.23 | 56.35 | 45.57111 |
| ## | 1917 | 56.69 | 56.72 | 45.87034 |
| ## | 1918 | 56.77 | 56.98 | 46.08060 |
| ## | 1919 | 57.24 | 56.75 | 45.89461 |
| ## | 1920 | 56.86 | 57.23 | 46.28280 |
| ## | | 57.60 | 57.56 | |
| | 1921 | | | 46.54966 |
| ## | 1922 | 57.42 | 57.64 | 46.61437 |
| ## | 1923 | 57.66 | 58.50 | 47.30986 |
| ## | 1924 | 58.44 | 58.49 | 47.30178 |
| ## | 1925 | 58.98 | 59.34 | 47.98919 |
| ## | 1926 | 59.57 | 59.74 | 48.31267 |
| ## | 1927 | 59.85 | 59.59 | 48.19136 |
| ## | 1928 | 59.25 | 59.16 | 47.84362 |
| | | | | |

| ## | 1929 | 59.34 | 59.45 | 48.07813 |
|----|------|-------|-------|----------|
| ## | 1930 | 59.46 | 59.67 | 48.25606 |
| ## | 1931 | 60.02 | 59.70 | 48.28031 |
| ## | 1932 | 59.63 | 59.71 | 48.28841 |
| ## | 1933 | 59.62 | 59.91 | 48.45014 |
| | | | | |
| ## | 1934 | 59.84 | 59.89 | 48.43396 |
| ## | 1935 | 59.63 | 59.06 | 47.76274 |
| ## | 1936 | 59.15 | 59.22 | 47.89214 |
| ## | 1937 | 59.18 | 59.76 | 48.32884 |
| ## | 1938 | 59.80 | 60.03 | 48.54719 |
| ## | 1939 | 59.78 | 59.94 | 48.47441 |
| ## | 1940 | 59.71 | 59.99 | 48.51486 |
| ## | 1941 | 59.95 | 60.31 | 48.77364 |
| | | | | |
| ## | 1942 | 60.54 | 61.32 | 49.59043 |
| ## | 1943 | 61.74 | 61.11 | 49.42061 |
| ## | 1944 | 60.94 | 60.91 | 49.25887 |
| ## | 1945 | 60.82 | 60.94 | 49.28313 |
| ## | 1946 | 61.18 | 61.63 | 49.84113 |
| ## | 1947 | 61.49 | 60.15 | 48.64424 |
| ## | 1948 | 60.33 | 60.56 | 48.97581 |
| ## | 1949 | 60.03 | 60.33 | 48.78982 |
| ## | 1950 | 60.40 | 60.24 | 48.71702 |
| ## | 1951 | 60.24 | 59.77 | 48.33693 |
| | | | | |
| ## | 1952 | 59.15 | 58.84 | 47.90543 |
| ## | 1953 | 59.25 | 60.30 | 49.09409 |
| ## | 1954 | 60.78 | 60.18 | 48.99640 |
| ## | 1955 | 59.92 | 59.27 | 48.25552 |
| ## | 1956 | 59.36 | 60.40 | 49.17551 |
| ## | 1957 | 60.33 | 59.08 | 48.10082 |
| ## | 1958 | 59.03 | 58.52 | 47.64489 |
| ## | 1959 | 58.50 | 58.16 | 47.35180 |
| ## | 1960 | 56.69 | 57.99 | 47.21339 |
| ## | 1961 | 57.02 | 55.53 | 45.21054 |
| ## | 1962 | 54.75 | 55.08 | 44.84417 |
| | | | | |
| ## | 1963 | 55.73 | 56.20 | 45.75603 |
| ## | 1964 | 56.10 | 56.63 | 46.10612 |
| ## | 1965 | 57.23 | 57.93 | 47.16454 |
| ## | 1966 | 58.04 | 57.45 | 46.77374 |
| ## | 1967 | 58.12 | 58.06 | 47.27037 |
| ## | 1968 | 58.00 | 58.74 | 47.82401 |
| ## | 1969 | 58.45 | 58.64 | 47.74259 |
| ## | 1970 | 58.87 | 59.63 | 48.54861 |
| ## | 1971 | 59.62 | 59.29 | 48.27179 |
| ## | 1972 | 58.94 | 59.39 | 48.35321 |
| ## | 1973 | 60.12 | 60.48 | 49.24066 |
| ## | 1974 | 60.79 | 60.88 | 49.56632 |
| | | | | |
| ## | 1975 | 60.24 | 60.25 | 49.05340 |
| ## | 1976 | 60.80 | 61.15 | 49.78614 |
| ## | 1977 | 61.08 | 61.23 | 49.85128 |
| ## | 1978 | 61.07 | 61.47 | 50.04669 |
| ## | 1979 | 61.25 | 61.93 | 50.42119 |
| ## | 1980 | 61.71 | 61.37 | 49.96526 |
| ## | 1981 | 60.42 | 60.56 | 49.30577 |
| ## | 1982 | 60.50 | 60.23 | 49.03711 |
| | | | | |

| ## | 1983 | 60.25 | 60.28 | 49.07782 |
|----|------|-------|-------|----------|
| ## | 1984 | 60.00 | 60.38 | 49.15924 |
| ## | 1985 | 60.35 | 60.53 | 49.28136 |
| ## | 1986 | 60.45 | 60.60 | 49.33834 |
| | | | | |
| ## | 1987 | 60.20 | 60.12 | 48.94755 |
| ## | 1988 | 61.07 | 60.45 | 49.21622 |
| ## | 1989 | 60.70 | 60.96 | 49.63145 |
| ## | 1990 | 61.16 | 60.30 | 49.09409 |
| ## | 1991 | 60.57 | 60.34 | 49.12666 |
| ## | 1992 | 60.40 | 60.16 | 48.98012 |
| ## | 1993 | 59.98 | 60.00 | 48.84984 |
| | | | | |
| ## | 1994 | 60.01 | 61.08 | 49.72915 |
| ## | 1995 | 60.96 | 61.54 | 50.10368 |
| ## | 1996 | 61.10 | 61.38 | 49.97340 |
| ## | 1997 | 62.01 | 62.70 | 51.04810 |
| ## | 1998 | 62.60 | 62.67 | 51.02367 |
| ## | 1999 | 61.85 | 62.45 | 50.84455 |
| ## | 2000 | 62.16 | 60.68 | 49.40348 |
| | | | | |
| ## | 2001 | 61.17 | 61.14 | 49.77800 |
| ## | 2002 | 60.53 | 60.04 | 48.88242 |
| ## | 2003 | 60.74 | 59.16 | 48.16595 |
| ## | 2004 | 58.42 | 58.43 | 47.57162 |
| ## | 2005 | 58.57 | 59.77 | 48.66260 |
| ## | 2006 | 60.64 | 61.48 | 50.05482 |
| ## | 2007 | 61.40 | 61.93 | 50.42119 |
| | 2007 | | | |
| ## | | 62.16 | 61.94 | 50.42933 |
| ## | 2009 | 62.05 | 62.48 | 50.86898 |
| ## | 2010 | 62.74 | 62.48 | 50.86898 |
| ## | 2011 | 62.67 | 62.55 | 50.92598 |
| ## | 2012 | 62.42 | 62.96 | 51.25979 |
| ## | 2013 | 62.72 | 63.15 | 51.41445 |
| ## | 2014 | 63.30 | 62.58 | 50.95039 |
| ## | 2015 | 62.18 | 62.49 | 51.20442 |
| | | | | |
| ## | 2016 | 62.06 | 60.55 | 49.61477 |
| ## | 2017 | 60.64 | 58.98 | 48.32831 |
| ## | 2018 | 59.89 | 59.07 | 48.40205 |
| ## | 2019 | 59.97 | 60.39 | 49.48366 |
| ## | 2020 | 60.72 | 59.34 | 48.62330 |
| ## | 2021 | 59.28 | 58.83 | 48.20541 |
| ## | 2022 | 59.26 | 58.84 | 48.21360 |
| | 2023 | | | |
| ## | | 58.84 | 56.81 | 46.55021 |
| ## | 2024 | 55.73 | 54.99 | 45.05890 |
| ## | 2025 | 54.66 | 55.93 | 45.82914 |
| ## | 2026 | 56.04 | 55.71 | 45.64886 |
| ## | 2027 | 55.45 | 55.89 | 45.79637 |
| ## | 2028 | 56.38 | 57.59 | 47.18934 |
| ## | 2029 | 57.72 | 56.68 | 46.44369 |
| | | 56.41 | 56.77 | |
| ## | 2030 | | | 46.51744 |
| ## | 2031 | 56.05 | 56.20 | 46.05038 |
| ## | 2032 | 56.62 | 54.75 | 44.86224 |
| ## | 2033 | 55.27 | 55.67 | 45.61609 |
| ## | 2034 | 54.99 | 54.38 | 44.55906 |
| ## | 2035 | 54.53 | 55.47 | 45.45221 |
| ## | 2036 | 55.91 | 56.72 | 46.47646 |
| ππ | 2000 | 00.01 | 00.12 | 10.71070 |

| ## | 2037 | 56.32 | 56.38 | 46.19787 |
|----|------|-------|-------|----------|
| ## | 2038 | 56.86 | 56.77 | 46.51744 |
| ## | 2039 | 57.75 | 57.89 | 47.43516 |
| ## | 2040 | 57.42 | 57.82 | 47.37781 |
| | | | | |
| ## | 2041 | 58.42 | 58.46 | 47.90223 |
| ## | 2042 | 58.06 | 58.37 | 47.82849 |
| ## | 2043 | 58.93 | 59.57 | 48.81176 |
| ## | 2044 | 59.46 | 59.67 | 48.89370 |
| ## | 2045 | 59.36 | 60.10 | 49.24604 |
| ## | 2046 | 60.10 | 59.37 | 48.64787 |
| ## | 2047 | 59.15 | 59.23 | 48.53315 |
| | | | | |
| ## | 2048 | 58.96 | 59.80 | 49.00021 |
| ## | 2049 | 59.50 | 59.35 | 48.63148 |
| ## | 2050 | 60.25 | 60.82 | 49.83601 |
| ## | 2051 | 60.76 | 61.14 | 50.09822 |
| ## | 2052 | 61.03 | 61.58 | 50.45875 |
| ## | 2053 | 61.13 | 61.28 | 50.21294 |
| ## | 2054 | 61.28 | 61.77 | 50.61445 |
| | | | | |
| ## | 2055 | 61.65 | 61.97 | 50.77833 |
| ## | 2056 | 61.64 | 62.13 | 50.90943 |
| ## | 2057 | 62.20 | 62.00 | 50.80291 |
| ## | 2058 | 62.16 | 60.89 | 49.89337 |
| ## | 2059 | 60.84 | 61.50 | 50.39320 |
| ## | 2060 | 60.76 | 59.96 | 49.13131 |
| ## | 2061 | 60.13 | 60.24 | 49.36076 |
| | 2062 | | | 50.28668 |
| ## | | 60.65 | 61.37 | |
| ## | 2063 | 61.40 | 61.00 | 49.98351 |
| ## | 2064 | 61.50 | 61.85 | 50.67999 |
| ## | 2065 | 61.34 | 61.61 | 50.48334 |
| ## | 2066 | 61.39 | 61.75 | 50.59804 |
| ## | 2067 | 61.57 | 61.20 | 50.14739 |
| ## | 2068 | 61.32 | 61.75 | 50.59804 |
| ## | 2069 | 61.75 | | 50.09822 |
| | | | 61.14 | |
| ## | 2070 | 60.97 | 60.46 | 49.54102 |
| ## | 2071 | 60.53 | 59.61 | 48.84454 |
| ## | 2072 | 59.46 | 59.54 | 48.78718 |
| ## | 2073 | 59.49 | 59.55 | 48.79537 |
| ## | 2074 | 60.88 | 60.96 | 49.95073 |
| ## | 2075 | 60.72 | 60.58 | 49.63936 |
| ## | 2076 | 60.41 | 59.95 | 49.44963 |
| | | | 60.52 | |
| ## | 2077 | 60.07 | | 49.91981 |
| ## | 2078 | 59.92 | 60.47 | 49.87856 |
| ## | 2079 | 61.15 | 60.85 | 50.19201 |
| ## | 2080 | 61.06 | 61.05 | 50.35697 |
| ## | 2081 | 61.27 | 61.47 | 50.70341 |
| ## | 2082 | 61.35 | 61.70 | 50.89312 |
| ## | 2083 | 61.64 | 62.07 | 51.19830 |
| ## | 2084 | 62.96 | 63.04 | 51.99843 |
| | | | | |
| ## | 2085 | 63.08 | 64.21 | 52.96349 |
| ## | 2086 | 64.08 | 63.81 | 52.63356 |
| ## | 2087 | 63.25 | 62.84 | 51.83345 |
| ## | 2088 | 63.22 | 63.24 | 52.16339 |
| ## | 2089 | 63.33 | 62.31 | 51.39627 |
| ## | 2090 | 62.65 | 62.94 | 51.91594 |
| | _000 | 22.00 | | J1.01001 |

| ## | 2091 | 62.79 | 62.80 | 51.80045 |
|----|------|-------|-------|----------|
| ## | 2092 | 62.63 | 62.60 | 51.63549 |
| ## | 2093 | 62.70 | 62.34 | 51.42102 |
| ## | 2094 | 62.49 | 62.76 | 51.76747 |
| | | | | |
| ## | 2095 | 62.56 | 63.60 | 52.46034 |
| ## | 2096 | 63.58 | 63.26 | 52.17987 |
| ## | 2097 | 63.70 | 63.61 | 52.46858 |
| ## | 2098 | 63.68 | 64.72 | 53.38417 |
| ## | 2099 | 64.51 | 64.40 | 53.12023 |
| ## | 2100 | 64.53 | 63.92 | 52.72427 |
| ## | 2101 | 63.67 | 64.50 | 53.20269 |
| ## | 2102 | 64.97 | 65.49 | 54.01930 |
| | | | | |
| ## | 2103 | 65.26 | 65.45 | 53.98630 |
| ## | 2104 | 65.31 | 65.36 | 53.91206 |
| ## | 2105 | 65.42 | 65.52 | 54.04404 |
| ## | 2106 | 65.83 | 66.05 | 54.48121 |
| ## | 2107 | 66.13 | 65.88 | 54.34098 |
| ## | 2108 | 65.80 | 66.42 | 54.78640 |
| ## | 2109 | 66.77 | 67.01 | 55.27307 |
| ## | 2110 | 66.95 | 66.48 | 54.83591 |
| | | | | |
| ## | 2111 | 66.14 | 66.65 | 54.97612 |
| ## | 2112 | 66.63 | 66.47 | 54.82764 |
| ## | 2113 | 66.20 | 65.73 | 54.21726 |
| ## | 2114 | 65.95 | 66.47 | 54.82764 |
| ## | 2115 | 66.36 | 66.20 | 54.60493 |
| ## | 2116 | 66.18 | 65.78 | 54.25850 |
| ## | 2117 | 65.99 | 66.08 | 54.50596 |
| ## | 2118 | 65.83 | 66.02 | 54.45646 |
| | | | | |
| ## | 2119 | 66.43 | 66.70 | 55.01736 |
| ## | 2120 | 66.31 | 66.33 | 54.71217 |
| ## | 2121 | 67.37 | 67.42 | 55.61126 |
| ## | 2122 | 67.46 | 66.89 | 55.17408 |
| ## | 2123 | 66.95 | 67.18 | 55.41329 |
| ## | 2124 | 67.59 | 68.26 | 56.30413 |
| ## | 2125 | 68.36 | 68.52 | 56.51860 |
| ## | 2126 | 68.31 | 68.25 | 56.29588 |
| ## | 2127 | 67.58 | 67.99 | 56.08141 |
| | | | | |
| ## | 2128 | 67.77 | 68.37 | 56.39486 |
| ## | 2129 | 68.41 | 68.14 | 56.20514 |
| ## | 2130 | 68.35 | 68.78 | 56.73305 |
| ## | 2131 | 68.46 | 68.08 | 56.15566 |
| ## | 2132 | 68.87 | 68.96 | 56.88152 |
| ## | 2133 | 69.35 | 69.75 | 57.53315 |
| ## | 2134 | 69.51 | 69.02 | 56.93100 |
| ## | 2135 | | 68.65 | 56.62582 |
| | | 69.32 | | |
| ## | 2136 | 68.94 | 68.95 | 56.87328 |
| ## | 2137 | 67.68 | 67.20 | 55.42978 |
| ## | 2138 | 67.89 | 67.76 | 55.89171 |
| ## | 2139 | 68.12 | 68.07 | 56.51437 |
| ## | 2140 | 67.95 | 67.52 | 56.05774 |
| ## | 2141 | 66.88 | 67.33 | 55.90001 |
| ## | 2142 | 67.09 | 66.80 | 55.45997 |
| ## | 2143 | 66.00 | 65.43 | 54.32255 |
| | | | | |
| ## | 2144 | 66.49 | 66.11 | 54.88711 |

| ## | 2145 | 67.22 | 67.05 | 55.66754 |
|----|------|-------|-------|----------|
| ## | 2146 | 67.89 | 68.09 | 56.53098 |
| ## | 2147 | 67.98 | 69.04 | 57.31971 |
| ## | 2148 | 69.23 | 69.19 | 57.44425 |
| ## | 2149 | 69.63 | 69.56 | 57.75143 |
| ## | 2150 | 69.35 | 69.21 | 57.46086 |
| | | | | |
| ## | 2151 | 69.50 | 69.26 | 57.50236 |
| ## | 2152 | 69.16 | 69.10 | 57.36953 |
| ## | 2153 | 69.28 | 70.08 | 58.18317 |
| ## | 2154 | 70.19 | 69.64 | 57.81786 |
| ## | 2155 | 69.44 | 68.91 | 57.21180 |
| ## | 2156 | 68.15 | 68.01 | 56.46457 |
| ## | 2157 | 68.55 | 68.05 | 56.49778 |
| ## | 2158 | 68.32 | 68.94 | 57.23668 |
| ## | 2159 | 68.93 | 69.04 | 57.31971 |
| ## | 2160 | 69.01 | 68.53 | 56.89630 |
| ## | 2161 | 68.59 | 68.53 | 56.89630 |
| ## | 2162 | 68.47 | 68.46 | 56.83817 |
| ## | 2163 | 69.05 | 68.73 | 57.06234 |
| ## | 2164 | 68.75 | 68.25 | 56.66381 |
| ## | 2165 | 68.33 | 68.05 | 56.49778 |
| ## | | | | 57.19519 |
| | 2166 | 68.22 | 68.89 | |
| ## | 2167 | 68.23 | 68.23 | 56.64723 |
| ## | 2168 | 67.41 | 67.24 | 55.82528 |
| ## | 2169 | 67.25 | 67.55 | 56.08266 |
| ## | 2170 | 67.42 | 67.89 | 56.36495 |
| ## | 2171 | 67.62 | 68.07 | 56.51437 |
| ## | 2172 | 67.98 | 68.21 | 56.63061 |
| ## | 2173 | 67.93 | 67.60 | 56.12416 |
| ## | 2174 | 66.81 | 65.94 | 54.74598 |
| ## | 2175 | 65.09 | 63.60 | 52.80321 |
| ## | 2176 | 59.29 | 60.25 | 50.02191 |
| ## | 2177 | 63.10 | 59.91 | 49.73962 |
| ## | 2178 | 61.80 | 62.91 | 52.23035 |
| ## | 2179 | 63.98 | 64.48 | 53.53382 |
| ## | 2180 | 64.29 | 64.13 | 53.24324 |
| ## | 2181 | 63.61 | 64.10 | 53.21833 |
| | | | | |
| ## | 2182 | 62.85 | 61.45 | 51.01820 |
| ## | 2183 | 62.62 | 62.57 | 51.94807 |
| ## | 2184 | 62.88 | 62.68 | 52.03939 |
| ## | 2185 | 61.80 | 61.50 | 51.05970 |
| ## | 2186 | 62.77 | 63.16 | 52.43791 |
| ## | 2187 | 63.94 | 62.18 | 51.62428 |
| ## | 2188 | 61.86 | 62.66 | 52.02278 |
| ## | 2189 | 62.38 | 62.56 | 51.93977 |
| ## | 2190 | 62.64 | 62.38 | 51.79033 |
| ## | 2191 | 62.76 | 63.58 | 52.78661 |
| ## | 2192 | 63.89 | 64.14 | 53.25154 |
| ## | 2193 | 64.14 | 62.65 | 52.01449 |
| ## | 2194 | 61.83 | 60.94 | 50.59478 |
| ## | 2195 | 61.52 | 61.45 | 51.01820 |
| ## | 2196 | 60.60 | 60.91 | 50.56987 |
| ## | 2197 | 60.80 | 60.64 | 50.34570 |
| | | | | 49.99701 |
| ## | 2198 | 60.01 | 60.22 | 49.99/01 |

| ## | 2199 | 61.27 | 61.47 | 51.03480 |
|----|------|-------|-------|----------|
| ## | 2200 | 60.92 | 59.98 | 49.79774 |
| ## | 2201 | 59.98 | 59.84 | 49.68151 |
| ## | 2202 | 60.70 | 60.97 | 50.61969 |
| | | | | |
| ## | 2203 | 61.12 | 61.42 | 50.99330 |
| ## | 2204 | 59.59 | 60.81 | 50.85114 |
| ## | 2205 | 61.24 | 62.02 | 51.86297 |
| ## | 2206 | 62.11 | 62.05 | 51.88804 |
| ## | 2207 | 62.55 | 62.13 | 51.95496 |
| ## | 2208 | 61.85 | 62.13 | 51.95496 |
| ## | 2209 | 62.39 | 61.93 | 51.78770 |
| | | | | |
| ## | 2210 | 61.84 | 61.72 | 51.61210 |
| ## | 2211 | 61.39 | 61.55 | 51.46994 |
| ## | 2212 | 60.76 | 59.99 | 50.16542 |
| ## | 2213 | 60.47 | 61.89 | 51.75426 |
| ## | 2214 | 62.43 | 62.43 | 52.20582 |
| ## | 2215 | 62.00 | 62.22 | 52.03021 |
| ## | 2216 | 62.36 | 62.52 | 52.28109 |
| | | | | |
| ## | 2217 | 62.88 | 62.06 | 51.89642 |
| ## | 2218 | 62.42 | 63.19 | 52.84135 |
| ## | 2219 | 63.63 | 63.87 | 53.41000 |
| ## | 2220 | 63.84 | 63.90 | 53.43507 |
| ## | 2221 | 63.53 | 63.64 | 53.21766 |
| ## | 2222 | 63.70 | 65.50 | 54.77305 |
| ## | 2223 | 65.26 | 65.21 | 54.53054 |
| | 2224 | | | 53.72776 |
| ## | | 65.30 | 64.25 | |
| ## | 2225 | 64.45 | 65.54 | 54.80650 |
| ## | 2226 | 65.29 | 65.78 | 55.00719 |
| ## | 2227 | 66.01 | 65.85 | 55.06573 |
| ## | 2228 | 65.79 | 66.44 | 55.55911 |
| ## | 2229 | 68.37 | 68.46 | 57.24829 |
| ## | 2230 | 68.70 | 67.39 | 56.35352 |
| ## | 2231 | | | 56.59602 |
| | | 67.19 | 67.68 | |
| ## | 2232 | 68.10 | 67.35 | 56.32008 |
| ## | 2233 | 66.86 | 66.00 | 55.19117 |
| ## | 2234 | 65.84 | 65.56 | 54.82323 |
| ## | 2235 | 65.46 | 66.51 | 55.61764 |
| ## | 2236 | 66.67 | 66.13 | 55.29987 |
| ## | 2237 | 66.48 | 67.45 | 56.40370 |
| ## | 2238 | 67.58 | 67.66 | 56.57930 |
| | | | 67.54 | |
| ## | 2239 | 67.99 | | 56.47895 |
| ## | 2240 | 67.31 | 66.88 | 55.92704 |
| ## | 2241 | 66.17 | 66.78 | 55.84343 |
| ## | 2242 | 66.93 | 66.86 | 55.91032 |
| ## | 2243 | 67.00 | 67.17 | 56.16954 |
| ## | 2244 | 67.28 | 66.68 | 55.75979 |
| ## | 2245 | 67.34 | 67.61 | 56.53749 |
| | | | | |
| ## | 2246 | 67.83 | 66.66 | 55.74308 |
| ## | 2247 | 66.83 | 65.80 | 55.02392 |
| ## | 2248 | 66.10 | 67.89 | 56.77164 |
| ## | 2249 | 67.66 | 67.00 | 56.02739 |
| ## | 2250 | 66.25 | 65.96 | 55.15773 |
| ## | 2251 | 65.61 | 65.46 | 54.73959 |
| ## | 2252 | 65.54 | 65.61 | 54.86504 |
| ππ | 2202 | 30.04 | 55.51 | J1.00004 |

| ## | 2253 | 64.80 | 64.07 | 53.57725 |
|----|------|-------|-------|----------|
| ## | 2254 | 64.23 | 64.27 | 53.74448 |
| ## | 2255 | 65.07 | 66.10 | 55.27478 |
| ## | 2256 | 66.91 | 67.53 | 56.47060 |
| | | | | |
| ## | 2257 | 67.90 | 66.28 | 55.42531 |
| ## | 2258 | 65.97 | 64.40 | 53.85319 |
| ## | 2259 | 65.02 | 65.54 | 54.80650 |
| ## | 2260 | 65.92 | 65.68 | 54.92358 |
| ## | 2261 | 66.12 | 66.73 | 55.80162 |
| | | | | |
| ## | 2262 | 66.62 | 66.60 | 55.69291 |
| ## | 2263 | 66.29 | 66.38 | 55.50893 |
| ## | 2264 | 66.84 | 67.07 | 56.08593 |
| ## | 2265 | 67.04 | 66.59 | 55.68454 |
| ## | 2266 | 66.19 | 66.03 | 55.21625 |
| ## | 2267 | 63.95 | 63.62 | 53.55782 |
| | | | | |
| ## | 2268 | 63.70 | 63.73 | 53.65043 |
| ## | 2269 | 62.72 | 62.81 | 52.87592 |
| ## | 2270 | 61.46 | 60.27 | 50.73766 |
| ## | 2271 | 61.13 | 58.92 | 49.60118 |
| ## | 2272 | 58.83 | 58.83 | 49.52542 |
| ## | 2273 | 59.45 | 58.96 | 49.63484 |
| | | | | |
| ## | 2274 | 59.46 | 57.34 | 48.27108 |
| ## | 2275 | 58.16 | 58.20 | 48.99505 |
| ## | 2276 | 56.45 | 57.04 | 48.01852 |
| ## | 2277 | 57.73 | 57.01 | 47.99326 |
| ## | 2278 | 55.63 | 55.51 | 46.73050 |
| ## | 2279 | 55.74 | 55.25 | 46.51164 |
| ## | 2280 | | 56.95 | 47.94276 |
| | | 56.44 | | |
| ## | 2281 | 56.48 | 55.66 | 46.85678 |
| ## | 2282 | 55.85 | 57.08 | 48.05220 |
| ## | 2283 | 57.08 | 57.04 | 48.01852 |
| ## | 2284 | 57.52 | 57.28 | 48.22056 |
| ## | 2285 | 57.83 | 59.50 | 50.08945 |
| | 2286 | | | |
| ## | | 59.16 | 58.86 | 49.55067 |
| ## | 2287 | 57.88 | 57.03 | 48.01010 |
| ## | 2288 | 57.37 | 57.41 | 48.33000 |
| ## | 2289 | 57.06 | 58.40 | 49.16342 |
| ## | 2290 | 58.58 | 57.75 | 48.61623 |
| ## | 2291 | 56.69 | 56.54 | 47.59760 |
| ## | 2292 | 55.29 | 56.20 | 47.31138 |
| | | | | |
| ## | 2293 | 56.57 | 55.52 | 46.73893 |
| ## | 2294 | 53.90 | 53.07 | 44.67642 |
| ## | 2295 | 55.65 | 57.49 | 48.39734 |
| ## | 2296 | 58.23 | 58.35 | 49.12133 |
| ## | 2297 | 58.85 | 58.77 | 49.47491 |
| ## | 2298 | 58.84 | 57.81 | 48.66674 |
| | | | | |
| ## | 2299 | 57.50 | 57.82 | 48.67516 |
| ## | 2300 | 58.51 | 58.57 | 49.30654 |
| ## | 2301 | 57.90 | 56.12 | 47.24401 |
| ## | 2302 | 55.20 | 56.14 | 47.26086 |
| ## | 2303 | 56.13 | 57.01 | 47.99326 |
| ## | 2304 | 57.64 | 57.54 | 48.43944 |
| ## | 2305 | 57.41 | | 47.39557 |
| | | | 56.30 | |
| ## | 2306 | 56.76 | 59.20 | 49.83689 |

| ## | 2307 | 59.20 | 59.76 | 50.30833 |
|----|------|-------|-------|----------|
| ## | 2308 | 59.58 | 59.96 | 50.47670 |
| ## | 2309 | 60.10 | 60.05 | 50.55246 |
| ## | 2310 | 59.54 | 59.94 | 50.45987 |
| ## | 2311 | 59.21 | 58.78 | 49.48332 |
| | | | | |
| ## | 2312 | 59.15 | 59.12 | 49.76955 |
| ## | 2313 | 59.59 | 58.61 | 49.34021 |
| ## | 2314 | 59.39 | 59.34 | 49.95475 |
| ## | 2315 | 59.15 | 59.12 | 49.76955 |
| ## | 2316 | 58.54 | 59.20 | 49.83689 |
| ## | 2317 | 58.98 | 58.92 | 49.60118 |
| ## | 2318 | 58.77 | 58.75 | 49.45806 |
| | | | | |
| ## | 2319 | 60.05 | 60.48 | 50.91445 |
| ## | 2320 | 60.22 | 60.46 | 50.89761 |
| ## | 2321 | 59.99 | 60.24 | 50.71242 |
| ## | 2322 | 60.34 | 59.94 | 50.45987 |
| ## | 2323 | 59.30 | 59.48 | 50.07261 |
| ## | 2324 | 59.53 | 59.40 | 50.00526 |
| ## | 2325 | 59.33 | 59.03 | 49.69378 |
| ## | 2326 | 59.46 | 59.71 | 50.26624 |
| | | | | |
| ## | 2327 | 59.45 | 59.22 | 49.85374 |
| ## | 2328 | 59.02 | 59.87 | 50.40092 |
| ## | 2329 | 59.44 | 59.20 | 50.20586 |
| ## | 2330 | 58.59 | 58.36 | 49.49349 |
| ## | 2331 | 58.18 | 58.81 | 49.87512 |
| ## | 2332 | 58.26 | 57.32 | 48.61150 |
| ## | 2333 | 57.71 | 57.74 | 48.96769 |
| ## | 2334 | 57.91 | 58.20 | 49.35780 |
| | | | | |
| ## | 2335 | 58.34 | 59.28 | 50.27372 |
| ## | 2336 | 60.48 | 61.79 | 52.40238 |
| ## | 2337 | 61.69 | 62.59 | 53.08084 |
| ## | 2338 | 62.88 | 61.87 | 52.47023 |
| ## | 2339 | 61.64 | 62.27 | 52.80945 |
| ## | 2340 | 62.55 | 63.32 | 53.69992 |
| ## | 2341 | 63.48 | 64.24 | 54.48016 |
| ## | 2342 | 64.26 | 63.60 | 53.93739 |
| | | | | |
| ## | 2343 | 63.64 | 63.97 | 54.25117 |
| ## | 2344 | 63.60 | 63.60 | 53.93739 |
| ## | 2345 | 63.81 | 63.93 | 54.21725 |
| ## | 2346 | 63.86 | 64.11 | 54.36990 |
| ## | 2347 | 63.64 | 63.60 | 53.93739 |
| ## | 2348 | 63.09 | 63.20 | 53.59815 |
| ## | 2349 | 63.69 | 63.79 | 54.09852 |
| ## | 2350 | 62.90 | 62.56 | 53.05539 |
| | | | | |
| ## | 2351 | 61.75 | 61.57 | 52.21580 |
| ## | 2352 | 61.60 | 61.24 | 51.93594 |
| ## | 2353 | 60.70 | 61.60 | 52.24124 |
| ## | 2354 | 61.37 | 61.21 | 51.91050 |
| ## | 2355 | 61.55 | 62.04 | 52.61440 |
| ## | 2356 | 61.97 | 61.81 | 52.41935 |
| ## | 2357 | 62.27 | 61.77 | 52.38542 |
| ## | 2358 | 61.70 | 61.20 | 51.90202 |
| | | | | |
| ## | 2359 | 61.21 | 61.66 | 52.29213 |
| ## | 2360 | 61.43 | 61.66 | 52.29213 |

| ## | 2361 | 61.70 | 64.04 | 54.31054 |
|----|------|-------|-------|----------|
| ## | 2362 | 63.53 | 63.39 | 53.75929 |
| ## | 2363 | 63.86 | 63.51 | 53.86106 |
| | | | | |
| ## | 2364 | 63.45 | 63.46 | 53.81866 |
| ## | 2365 | 63.94 | 64.54 | 54.73458 |
| ## | 2366 | 64.94 | 65.52 | 55.56569 |
| ## | 2367 | 65.57 | 65.03 | 55.15012 |
| ## | 2368 | 65.21 | 65.43 | 55.48936 |
| | 2369 | | | 55.35367 |
| ## | | 65.73 | 65.27 | |
| ## | 2370 | 64.76 | 65.69 | 55.70986 |
| ## | 2371 | 65.52 | 65.81 | 55.81162 |
| ## | 2372 | 64.25 | 64.64 | 54.81937 |
| ## | 2373 | 64.64 | 65.28 | 55.36215 |
| ## | 2374 | 65.45 | 65.06 | 55.17557 |
| | | | | |
| ## | 2375 | 64.93 | 65.25 | 55.33672 |
| ## | 2376 | 64.79 | 64.75 | 54.91267 |
| ## | 2377 | 63.93 | 63.84 | 54.14093 |
| ## | 2378 | 63.48 | 63.27 | 53.65753 |
| ## | 2379 | 62.68 | 62.08 | 52.64832 |
| ## | 2380 | 62.41 | 61.97 | 52.55504 |
| | | | | |
| ## | 2381 | 61.45 | 62.22 | 52.76704 |
| ## | 2382 | 62.30 | 62.28 | 52.81793 |
| ## | 2383 | 63.45 | 62.37 | 52.89427 |
| ## | 2384 | 62.73 | 62.95 | 53.38614 |
| ## | 2385 | 62.95 | 62.71 | 53.18260 |
| ## | 2386 | 63.70 | 64.05 | 54.31902 |
| ## | 2387 | 60.48 | | 50.54510 |
| | | | 59.60 | |
| ## | 2388 | 58.71 | 57.61 | 48.85744 |
| ## | 2389 | 59.19 | 59.52 | 50.47726 |
| ## | 2390 | 60.36 | 61.20 | 51.90202 |
| ## | 2391 | 61.63 | 62.14 | 52.69921 |
| ## | 2392 | 61.66 | 61.26 | 52.35733 |
| ## | 2393 | 60.45 | | 50.89585 |
| | | | 59.55 | |
| ## | 2394 | 59.01 | 60.19 | 51.44283 |
| ## | 2395 | 60.52 | 60.58 | 51.77615 |
| ## | 2396 | 61.33 | 61.83 | 52.84450 |
| ## | 2397 | 62.42 | 62.27 | 53.22055 |
| ## | 2398 | 63.03 | 63.20 | 54.01540 |
| ## | 2399 | 63.08 | 63.16 | 53.98121 |
| | | | | |
| ## | 2400 | 64.74 | 64.12 | 54.80170 |
| ## | 2401 | 64.75 | 64.18 | 54.85298 |
| ## | 2402 | 64.13 | 63.96 | 54.66495 |
| ## | 2403 | 63.61 | 63.86 | 54.57948 |
| ## | 2404 | 64.11 | 63.93 | 54.63931 |
| ## | 2405 | 64.00 | 63.69 | 54.43418 |
| | | | | |
| ## | 2406 | 63.90 | 64.04 | 54.73332 |
| ## | 2407 | 63.98 | 63.87 | 54.58803 |
| ## | 2408 | 63.98 | 64.13 | 54.81025 |
| ## | 2409 | 64.08 | 64.33 | 54.98118 |
| ## | 2410 | 64.00 | 64.10 | 54.78460 |
| ## | 2411 | 63.80 | 63.97 | 54.67350 |
| | | | | |
| ## | 2412 | 64.15 | 63.80 | 54.52820 |
| ## | 2413 | 63.59 | 63.65 | 54.40001 |
| ## | 2414 | 63.69 | 64.66 | 55.26322 |
| | | | | |

| ## | 2415 | 64.49 | 64.56 | 55.17775 |
|----------|--------------|----------------|----------------|----------------------|
| ## | 2416 | 65.14 | 66.30 | 56.66489 |
| ## | 2417 | 66.07 | 66.10 | 56.49396 |
| ## | 2418 | 66.18 | 65.87 | 56.29739 |
| ## | 2419 | 65.92 | 65.28 | 55.79312 |
| ## | 2420 | 65.27 | 65.46 | 55.94696 |
| ## | 2421 | 64.97 | 65.32 | 55.82730 |
| ## | 2422 | 65.56 | 65.72 | 56.16918 |
| ## | 2423 | 65.36 | 65.71 | 56.16063 |
| ## | 2424 | 65.80 | 65.89 | 56.31447 |
| ## | 2425 | 65.62 | 65.95 | 56.36575 |
| ## | 2426 | 65.72 | 65.86 | 56.28882 |
| ## | 2427 | 65.75 | 65.80 | 56.23755 |
| ## | 2428 | 66.07 | 65.77 | 56.21191 |
| ## | 2429 | 65.99 | 65.95 | 56.36575 |
| ## | 2430 | 65.91 | 66.07 | 56.46831 |
| ## | 2431 | 66.33 | 66.22 | 56.59652 |
| ## | 2432 | 66.49 | 66.95 | 57.22042 |
| ## | 2433 | 66.95 | 67.50 | 57.69049 |
| ## | 2434 | 67.46 | 67.50 | 57.69049 57.44263 |
| ## ## | 2435 2436 | 67.64 | 67.21 | 57.44263 |
| ## | 2436 | 67.40 67.50 | 67.49 67.44 | 57.63922 |
| ## | 2437 | 67.16 | 67.44 | 57.39991 |
| ## | 2439 | 67.22 | 67.16 | 57.47682 |
| ## | 2440 | 67.03 | 66.65 | 56.96403 |
| ## | 2441 | 66.14 | 67.06 | 57.31444 |
| ## | 2442 | 66.11 | 66.53 | 56.86146 |
| ## | 2443 | 66.27 | 66.40 | 56.75036 |
| ## | 2444 | 66.29 | 66.64 | 56.95548 |
| ## | 2445 | 66.09 | 65.82 | 56.25465 |
| ## | 2446 | 66.15 | 66.19 | 56.57088 |
| ## | 2447 | 66.75 | 66.46 | 56.80162 |
| ## | 2448 | 66.84 | 66.84 | 57.12641 |
| ## | 2449 | 66.99 | 67.39 | 57.59649 |
| ## | 2450 | 67.39 | 67.25 | 57.47682 |
| ## | 2451 | 66.60 | 65.78 | 56.22045 |
| ## | 2452 | 65.41 | 66.36 | 56.71617 |
| ## | 2453 | 66.58 | 66.71 | 57.01530 |
| ## | 2454 | 66.70 | 65.65 | 56.10935 |
| ## | 2455 | 66.08 | 66.59 | 56.91275 |
| ## | 2456 | 66.35 | 66.51 | 56.84438 |
| ## | 2457 | 66.21 | 66.60 | 57.33508 |
| ## | 2458 | 66.89 | 67.69 | 58.27344 |
| ## | 2459 | 67.73 | 67.87 | 58.42841 |
| ## | 2460 | 67.79 | 68.11 | 58.63501 |
| ## | 2461 | 68.34 | 68.64 | 59.09128 |
| ## | 2462 | 68.50 | 68.31 | 58.80719 |
| ## | 2463 | 68.26 | 68.13 | 58.65223 |
| ## | 2464 | 67.46 | 67.74 | 58.31648 |
| ## | | 68.80 | 67.52 | 58.12708 |
| ## | | 67.42 | 67.17 | 57.82578 |
| ## | | 67.85 | 67.70 | 58.28205 |
| ## | 2468 | 67.81 | 68.35 | 58.84161 |

| ## | 2469 | 68.08 | 68.26 | 58.76415 |
|----|------|-------|-------|----------|
| ## | 2470 | 67.81 | 68.49 | 58.96215 |
| ## | 2471 | 68.97 | 68.87 | 59.28930 |
| ## | 2472 | 68.88 | 68.80 | 59.22902 |
| ## | 2473 | 68.37 | 69.13 | 59.51311 |
| ## | 2474 | 69.49 | 69.23 | 59.59921 |
| | | | | |
| ## | 2475 | 69.53 | 69.11 | 59.49591 |
| ## | 2476 | 69.43 | 69.26 | 59.62504 |
| ## | 2477 | 69.48 | 68.97 | 59.37538 |
| ## | 2478 | 68.65 | 68.68 | 59.12571 |
| ## | 2479 | 68.86 | 68.38 | 58.86745 |
| ## | 2480 | 68.49 | 67.76 | 58.33371 |
| ## | 2481 | 69.08 | 69.88 | 60.15879 |
| ## | 2482 | 69.70 | 70.03 | 60.28793 |
| ## | 2483 | 71.46 | 73.25 | 63.06000 |
| ## | 2484 | 74.22 | 76.65 | 65.98700 |
| ## | 2485 | 76.30 | 76.69 | 66.02142 |
| ## | 2486 | 77.25 | 79.51 | 68.44913 |
| ## | 2487 | 78.37 | 79.36 | 68.31998 |
| ## | 2488 | 78.22 | 77.40 | 66.63264 |
| ## | 2489 | 77.93 | 78.02 | 67.16640 |
| ## | 2490 | 77.96 | 77.71 | 66.89953 |
| ## | 2491 | 78.00 | 78.05 | 67.19223 |
| | 2491 | | | |
| ## | | 78.35 | 78.53 | 67.60546 |
| ## | 2493 | 78.87 | 78.86 | 67.88954 |
| ## | 2494 | 79.10 | 78.83 | 67.86372 |
| ## | 2495 | 78.18 | 78.32 | 67.42468 |
| ## | 2496 | 78.39 | 78.92 | 67.94120 |
| ## | 2497 | 79.92 | 80.17 | 69.01731 |
| ## | 2498 | 80.65 | 81.79 | 70.41193 |
| ## | 2499 | 81.80 | 81.60 | 70.24840 |
| ## | 2500 | 82.30 | 83.26 | 71.67745 |
| ## | 2501 | 83.60 | 83.69 | 72.04764 |
| ## | 2502 | 83.55 | 84.07 | 72.37476 |
| ## | 2503 | 84.23 | 85.12 | 73.27869 |
| ## | 2504 | 85.02 | 85.49 | 73.59723 |
| ## | 2505 | 85.36 | 84.73 | 72.94295 |
| ## | 2506 | 84.98 | 84.76 | 72.96879 |
| ## | 2507 | 83.88 | 84.73 | 72.94295 |
| ## | 2508 | 85.40 | 86.00 | 74.03628 |
| ## | 2509 | 86.29 | 84.94 | 73.12375 |
| ## | 2510 | 84.80 | 85.43 | 73.54556 |
| | | | | |
| ## | 2511 | 85.79 | 86.53 | 74.49255 |
| ## | 2512 | 86.43 | 86.75 | 74.68194 |
| ## | 2513 | 86.44 | 86.89 | 74.80247 |
| ## | 2514 | 87.00 | 87.05 | 74.94022 |
| ## | 2515 | 87.05 | 87.13 | 75.00909 |
| ## | 2516 | 87.16 | 86.50 | 74.46672 |
| ## | 2517 | 86.58 | 85.89 | 73.94157 |
| ## | 2518 | 86.10 | 86.29 | 74.28593 |
| ## | 2519 | 87.34 | 87.23 | 75.09517 |
| ## | 2520 | 86.96 | 86.91 | 75.23367 |
| ## | 2521 | 86.81 | 86.11 | 74.54117 |
| ## | 2522 | 86.39 | 86.12 | 74.54981 |
| | | | | |

| ## | 2523 | 85.73 | 86.18 | 74.60175 |
|----|------|-------|-------|----------|
| ## | 2524 | 86.07 | 86.43 | 74.81818 |
| ## | 2525 | 86.43 | 87.08 | 75.38084 |
| ## | 2526 | 86.76 | 86.24 | 74.65367 |
| ## | 2527 | 87.11 | 86.70 | 75.05190 |
| | | | | |
| ## | 2528 | 84.93 | 83.55 | 72.32510 |
| ## | 2529 | 83.63 | 83.94 | 72.66270 |
| ## | 2530 | 84.06 | 83.30 | 72.10868 |
| ## | 2531 | 83.43 | 83.67 | 72.42897 |
| ## | 2532 | 83.30 | 83.71 | 72.46361 |
| ## | 2533 | 83.92 | 84.72 | 73.33790 |
| ## | 2534 | 85.84 | 86.03 | 74.47191 |
| ## | 2535 | 85.95 | 86.75 | 75.09517 |
| ## | 2536 | 86.66 | 86.93 | 75.25098 |
| ## | 2537 | 86.19 | 86.03 | 74.47191 |
| ## | 2538 | 85.60 | 84.63 | 73.26000 |
| | | | | |
| ## | 2539 | 85.54 | 84.95 | 73.53700 |
| ## | 2540 | 84.34 | 84.59 | 73.22539 |
| ## | 2541 | 86.19 | 87.18 | 75.46740 |
| ## | 2542 | 86.79 | 86.77 | 75.11248 |
| ## | 2543 | 87.14 | 86.72 | 75.06921 |
| ## | 2544 | 86.18 | 85.96 | 74.41132 |
| ## | 2545 | 85.96 | 87.20 | 75.48473 |
| ## | 2546 | 87.48 | 87.00 | 75.31158 |
| ## | 2547 | 87.44 | 88.15 | 76.30708 |
| ## | 2548 | 88.30 | 89.56 | 77.52764 |
| ## | 2549 | 90.08 | 90.59 | 78.41927 |
| ## | 2550 | 90.40 | 90.53 | 78.36733 |
| ## | 2551 | 89.82 | 90.23 | 78.10764 |
| ## | 2552 | 90.51 | 91.01 | 78.78282 |
| ## | 2553 | 90.52 | 91.06 | 78.82612 |
| | | | | |
| ## | 2554 | 91.18 | 91.13 | 78.88672 |
| ## | 2555 | 90.18 | 90.33 | 78.19420 |
| ## | 2556 | 90.32 | 90.43 | 78.28077 |
| ## | 2557 | 89.85 | 90.62 | 78.44524 |
| ## | 2558 | 92.79 | 93.60 | 81.02486 |
| ## | 2559 | 93.87 | 92.14 | 79.76103 |
| ## | 2560 | 92.14 | 92.80 | 80.33237 |
| ## | 2561 | 92.25 | 91.92 | 79.57057 |
| ## | 2562 | 91.64 | 91.41 | 79.12910 |
| ## | 2563 | 92.68 | 91.21 | 78.95598 |
| ## | 2564 | 91.60 | 91.57 | 79.26760 |
| ## | 2565 | 91.95 | 91.28 | 79.01658 |
| ## | 2566 | 91.31 | 91.36 | 79.08581 |
| | | | | |
| ## | 2567 | 91.02 | 91.51 | 79.21566 |
| ## | 2568 | 91.80 | 91.73 | 79.40611 |
| ## | 2569 | 92.03 | 91.64 | 79.32820 |
| ## | 2570 | 91.83 | 90.68 | 78.49718 |
| ## | 2571 | 90.27 | 90.03 | 77.93449 |
| ## | 2572 | 90.36 | 87.39 | 75.64919 |
| ## | 2573 | 86.89 | 87.53 | 75.77039 |
| ## | 2574 | 87.21 | 87.39 | 75.64919 |
| ## | 2575 | 87.79 | 87.29 | 75.56263 |
| ## | 2576 | 85.53 | 87.24 | 75.51934 |
| | | | | |

| ## | 2577 | 87.02 | 88.60 | 76.69662 |
|----|------|-------|-------|----------------------|
| ## | 2578 | 88.60 | 88.27 | 76.41096 |
| ## | 2579 | 88.20 | 89.03 | 77.06886 |
| ## | 2580 | 88.71 | 87.84 | 76.03873 |
| ## | 2581 | 87.99 | 87.52 | 75.76172 |
| ## | 2582 | 86.89 | 87.31 | 76.01420 |
| ## | 2583 | 88.42 | 86.19 | 75.03910 |
| ## | 2584 | 85.98 | 86.48 | 75.29160 |
| ## | 2585 | 85.93 | 86.18 | 75.03039 |
| ## | 2586 | 86.08 | 85.88 | 74.76921 |
| ## | 2587 | 85.54 | 85.73 | 74.63863 |
| ## | 2588 | 85.93 | 85.40 | 74.35132 |
| ## | | | | |
| | 2589 | 85.50 | 84.40 | 73.48069 74.75180 |
| ## | 2590 | 84.44 | 85.86 | |
| ## | 2591 | 85.36 | 85.16 | 74.14236 |
| ## | 2592 | 85.50 | 84.46 | 73.53294 |
| ## | 2593 | 84.98 | 85.55 | 74.48191 |
| ## | 2594 | 85.50 | 84.52 | 73.58516 |
| ## | 2595 | 86.55 | 87.50 | 76.17966 |
| ## | 2596 | 88.55 | 88.26 | 76.84131 |
| ## | 2597 | 88.35 | 88.43 | 76.98930 |
| ## | 2598 | 88.37 | 87.61 | 76.27538 |
| ## | 2599 | 87.60 | 87.00 | 75.74431 |
| ## | 2600 | 87.36 | 87.06 | 75.79653 |
| ## | 2601 | 86.71 | 86.50 | 75.30901 |
| ## | 2602 | 86.06 | 87.00 | 75.74431 |
| ## | 2603 | 87.69 | 87.10 | 75.83137 |
| ## | 2604 | 87.25 | 87.00 | 75.74431 |
| ## | 2605 | 87.04 | 87.10 | 75.83137 |
| ## | 2606 | 87.26 | 86.75 | 75.52666 |
| ## | 2607 | 86.53 | 87.43 | 76.11867 |
| ## | 2608 | 87.09 | 87.16 | 75.88363 |
| ## | 2609 | 86.68 | 86.92 | 75.67466 |
| ## | 2610 | 87.10 | 87.34 | 76.04032 |
| ## | 2611 | 87.36 | 87.61 | 76.27538 |
| ## | 2612 | 87.61 | 84.27 | 73.36750 |
| ## | 2613 | 84.07 | 83.96 | 73.09761 |
| ## | 2614 | 84.21 | 84.78 | 73.81152 |
| ## | 2615 | 85.18 | 84.70 | 73.74187 |
| ## | 2616 | 84.75 | 85.76 | 74.66475 |
| ## | 2617 | 85.88 | 85.71 | 74.62122 |
| ## | 2618 | 85.99 | 85.35 | 74.30778 |
| ## | 2619 | 85.11 | 85.36 | 74.31648 |
| ## | 2620 | 85.13 | 83.90 | 73.04538 |
| ## | 2621 | 83.73 | 82.15 | 71.52179 |
| ## | 2622 | 82.46 | 83.06 | 72.31406 |
| ## | 2623 | 82.29 | 82.64 | 71.94840 |
| ## | 2624 | 82.64 | 82.79 | 72.07897 |
| ## | 2625 | 82.29 | 82.96 | 72.22698 |
| ## | 2626 | 83.31 | 83.91 | 73.05409 |
| ## | 2627 | 83.91 | 84.95 | 73.95955 |
| ## | 2628 | 85.51 | 86.96 | 75.70946 |
| ## | 2629 | 86.96 | 86.98 | 75.72690 |
| ## | 2630 | 87.55 | 87.27 | 75.97938 |

| ## | 2631 | 86.77 | 87.09 | 75.82265 |
|----|------|-------|-------|----------|
| ## | 2632 | 86.25 | 86.57 | 75.36993 |
| ## | 2633 | 86.85 | 86.18 | 75.03039 |
| ## | 2634 | 86.97 | 88.07 | 76.67589 |
| | | | | |
| ## | 2635 | 87.75 | 87.52 | 76.19703 |
| ## | 2636 | 87.48 | 87.12 | 75.84879 |
| ## | 2637 | 86.93 | 87.02 | 75.76172 |
| ## | 2638 | 87.66 | 86.86 | 75.62243 |
| ## | 2639 | 87.01 | 87.24 | 75.95326 |
| | | | | |
| ## | 2640 | 87.71 | 88.05 | 76.65847 |
| ## | 2641 | 88.60 | 89.82 | 78.19948 |
| ## | 2642 | 92.34 | 91.15 | 79.35740 |
| ## | 2643 | 91.96 | 91.40 | 79.57506 |
| ## | 2644 | 91.56 | 92.75 | 81.19457 |
| ## | 2645 | 93.12 | 93.68 | 82.00871 |
| | | | | |
| ## | 2646 | 93.54 | 93.38 | 81.74608 |
| ## | 2647 | 93.96 | 93.85 | 82.15754 |
| ## | 2648 | 93.50 | 93.19 | 81.57975 |
| ## | 2649 | 93.33 | 92.83 | 81.26459 |
| ## | 2650 | 92.61 | 92.51 | 80.98448 |
| ## | 2651 | 92.69 | 93.10 | 81.50098 |
| | | | | |
| ## | 2652 | 90.81 | 92.25 | 80.75687 |
| ## | 2653 | 91.82 | 91.39 | 80.00403 |
| ## | 2654 | 90.45 | 91.07 | 79.72387 |
| ## | 2655 | 91.34 | 91.20 | 79.83769 |
| ## | 2656 | 91.15 | 91.20 | 79.83769 |
| ## | 2657 | 91.06 | 90.89 | 79.56632 |
| | | | | |
| ## | 2658 | 90.96 | 91.28 | 79.90771 |
| ## | 2659 | 92.37 | 92.80 | 81.23835 |
| ## | 2660 | 93.10 | 91.93 | 80.47672 |
| ## | 2661 | 91.83 | 91.55 | 80.14409 |
| ## | 2662 | 91.45 | 91.28 | 79.90771 |
| ## | 2663 | 91.51 | 91.80 | 80.36295 |
| | 2664 | | | |
| ## | | 92.49 | 93.03 | 81.43967 |
| ## | 2665 | 92.87 | 93.11 | 81.50972 |
| ## | 2666 | 92.70 | 92.50 | 80.97572 |
| ## | 2667 | 93.50 | 93.66 | 81.99120 |
| ## | 2668 | 93.89 | 94.02 | 82.30635 |
| ## | 2669 | 93.95 | 93.68 | 82.00871 |
| ## | 2670 | 92.98 | 93.53 | 81.87738 |
| | 2671 | | | |
| ## | | 92.90 | 92.19 | 80.70434 |
| ## | 2672 | 92.13 | 91.42 | 80.03027 |
| ## | 2673 | 92.37 | 92.49 | 80.96695 |
| ## | 2674 | 93.31 | 92.73 | 81.17709 |
| ## | 2675 | 93.04 | 92.09 | 80.61680 |
| ## | 2676 | 91.76 | 90.65 | 79.35620 |
| | | | | |
| ## | 2677 | 90.31 | 90.74 | 79.43499 |
| ## | 2678 | 90.85 | 90.63 | 79.33868 |
| ## | 2679 | 91.07 | 91.56 | 80.15282 |
| ## | 2680 | 90.87 | 91.67 | 80.24912 |
| ## | 2681 | 91.93 | 91.52 | 80.11782 |
| ## | 2682 | 91.88 | 91.89 | 80.44172 |
| | | | | |
| ## | 2683 | 92.16 | 91.60 | 80.18784 |
| ## | 2684 | 90.45 | 91.10 | 79.75014 |

| ## | 2685 | 91.25 | 91.31 | 79.93399 |
|----|------|--------|--------|----------|
| ## | 2686 | 91.81 | 90.89 | 79.56632 |
| ## | 2687 | 91.25 | 91.70 | 80.27540 |
| ## | 2688 | 91.02 | 89.51 | 78.35823 |
| ## | 2689 | 90.00 | 90.11 | 78.88350 |
| ## | 2690 | 90.11 | 88.53 | 77.50033 |
| | | | | |
| ## | 2691 | 88.31 | 88.42 | 77.40403 |
| ## | 2692 | 89.39 | 89.79 | 78.60335 |
| ## | 2693 | 90.17 | 90.89 | 79.56632 |
| ## | 2694 | 90.61 | 91.15 | 79.79391 |
| ## | 2695 | 91.20 | 90.97 | 79.63635 |
| ## | 2696 | 91.08 | 91.62 | 80.20536 |
| ## | 2697 | 91.93 | 92.92 | 81.34341 |
| ## | 2698 | 92.71 | 93.94 | 82.23631 |
| ## | 2699 | 94.10 | 94.60 | 82.81409 |
| ## | 2700 | 94.46 | 95.03 | 83.19051 |
| ## | 2701 | 94.70 | 94.83 | 83.01543 |
| ## | 2702 | 94.51 | 94.12 | 82.39389 |
| ## | 2703 | 93.78 | 93.70 | 82.02620 |
| ## | 2704 | 94.97 | 95.18 | 83.32183 |
| ## | 2705 | 95.59 | 95.38 | 83.49692 |
| ## | 2706 | 95.30 | 95.51 | 83.61072 |
| ## | 2707 | 95.77 | 96.84 | 84.77501 |
| ## | 2708 | 96.83 | 97.35 | 85.22147 |
| | | 97.30 | | |
| ## | 2709 | | 96.36 | 84.35483 |
| ## | 2710 | 96.00 | 97.09 | 85.49068 |
| ## | 2711 | 97.55 | 96.92 | 85.34100 |
| ## | 2712 | 96.96 | 96.41 | 84.89194 |
| ## | 2713 | 96.46 | 97.13 | 85.52592 |
| ## | 2714 | 96.83 | 96.84 | 85.27055 |
| ## | 2715 | 97.30 | 95.99 | 84.52211 |
| ## | 2716 | 95.48 | 95.86 | 84.40764 |
| ## | 2717 | 96.34 | 97.84 | 86.15111 |
| ## | 2718 | 98.07 | 97.62 | 85.95737 |
| ## | 2719 | 98.15 | 97.99 | 86.28318 |
| ## | 2720 | 97.19 | 98.11 | 86.38884 |
| ## | 2721 | 99.28 | 99.51 | 87.62158 |
| ## | 2722 | 99.51 | 99.34 | 87.47189 |
| ## | 2723 | 99.88 | 100.92 | 88.86314 |
| ## | 2724 | 101.25 | 101.02 | 88.95116 |
| ## | 2725 | 101.35 | 101.74 | 89.58516 |
| ## | 2726 | 101.43 | 101.74 | 89.61156 |
| ## | 2727 | 101.13 | 101.77 | 89.29459 |
| ## | 2728 | 101.13 | 100.61 | 88.59017 |
| ## | 2729 | 101.10 | 100.01 | 88.86314 |
| | | | | 89.45306 |
| ## | 2730 | 100.87 | 101.59 | |
| ## | 2731 | 101.10 | 101.41 | 89.29459 |
| ## | 2732 | 101.34 | 100.78 | 88.73985 |
| ## | 2733 | 100.56 | 98.75 | 86.95239 |
| ## | 2734 | 98.27 | 97.64 | 85.97498 |
| ## | 2735 | 97.12 | 97.63 | 85.96619 |
| ## | 2736 | 97.81 | 97.51 | 85.86052 |
| ## | 2737 | 96.69 | 97.86 | 86.16871 |
| ## | 2738 | 97.34 | 97.27 | 85.64919 |
| | | | | |

| ## | 2739 | 96.39 | 98.19 | 86.45928 |
|----|------|--------|--------|-----------|
| ## | 2740 | 98.53 | 98.47 | 86.70583 |
| ## | 2741 | 97.82 | 98.14 | 86.41523 |
| ## | 2742 | 98.45 | 99.01 | 87.18130 |
| ## | 2743 | 99.50 | 98.93 | 87.11086 |
| ## | 2744 | 99.03 | 98.64 | 86.85551 |
| | | | | |
| ## | 2745 | 98.83 | 98.32 | 86.57375 |
| ## | 2746 | 98.31 | 97.93 | 86.23035 |
| ## | 2747 | 98.21 | 101.36 | 89.25056 |
| ## | 2748 | 102.41 | 103.73 | 91.33742 |
| ## | 2749 | 104.74 | 104.52 | 92.03304 |
| ## | 2750 | 104.90 | 104.79 | 92.27078 |
| ## | 2751 | 107.73 | 106.95 | 94.17272 |
| ## | 2752 | 105.58 | 105.72 | 93.08969 |
| ## | 2753 | 105.55 | 104.93 | 92.39405 |
| ## | 2754 | 103.95 | 104.62 | 92.12109 |
| ## | 2755 | 103.35 | 105.93 | 93.27457 |
| | | | | |
| ## | 2756 | 105.72 | 105.62 | 93.00163 |
| ## | 2757 | 106.91 | 106.85 | 94.08467 |
| ## | 2758 | 106.70 | 105.51 | 92.90476 |
| ## | 2759 | 106.12 | 104.66 | 92.15632 |
| ## | 2760 | 105.79 | 106.14 | 93.45948 |
| ## | 2761 | 107.19 | 106.96 | 94.18154 |
| ## | 2762 | 107.35 | 106.51 | 93.78529 |
| ## | 2763 | 107.60 | 106.14 | 93.45948 |
| ## | 2764 | 106.59 | 107.83 | 94.94759 |
| ## | 2765 | 108.20 | 107.45 | 94.61298 |
| ## | 2766 | 107.20 | 107.02 | 94.23437 |
| ## | 2767 | 106.67 | 107.22 | 94.41047 |
| ## | 2768 | 107.40 | 107.79 | 94.91238 |
| ## | 2769 | | 106.94 | 94.16392 |
| | | 108.09 | | |
| ## | 2770 | 107.63 | 107.95 | 95.05324 |
| ## | 2771 | 107.86 | 108.06 | 95.15012 |
| ## | 2772 | 108.36 | 109.04 | 96.51321 |
| ## | 2773 | 109.26 | 108.34 | 95.89360 |
| ## | 2774 | 108.15 | 108.50 | 96.03523 |
| ## | 2775 | 108.72 | 109.05 | 96.52205 |
| ## | 2776 | 109.47 | 110.25 | 97.58419 |
| ## | 2777 | 110.67 | 110.84 | 98.10640 |
| ## | 2778 | 111.65 | 112.67 | 99.72617 |
| ## | 2779 | 111.51 | 112.27 | 99.37212 |
| ## | 2780 | 111.89 | 112.99 | 100.00941 |
| ## | 2781 | 112.76 | 113.26 | 100.24841 |
| ## | 2782 | 113.94 | 113.01 | 100.02713 |
| ## | | 112.66 | | |
| | 2783 | | 114.33 | 101.19548 |
| ## | 2784 | 113.67 | 114.21 | 101.08925 |
| ## | 2785 | 114.86 | 115.67 | 102.38152 |
| ## | 2786 | 116.04 | 115.70 | 102.40807 |
| ## | 2787 | 115.70 | 116.32 | 102.95685 |
| ## | 2788 | 116.02 | 116.20 | 102.85065 |
| ## | 2789 | 115.53 | 115.11 | 101.88587 |
| ## | 2790 | 115.65 | 115.67 | 102.38152 |
| ## | 2791 | 115.77 | 116.87 | 103.44366 |
| ## | 2792 | 116.49 | 114.28 | 101.15121 |
| | | | | |

| ## | 2793 | 113.00 | 108.80 | 96.30078 |
|----|------|--------|--------|-----------|
| ## | 2794 | 106.85 | 112.11 | 99.23051 |
| ## | 2795 | 111.55 | 112.87 | 99.90320 |
| ## | 2796 | 113.11 | 107.88 | 95.48646 |
| ## | 2797 | 109.10 | 110.04 | 97.39831 |
| ## | 2798 | 111.17 | 111.74 | 98.90301 |
| ## | 2799 | 111.32 | 112.43 | 99.51373 |
| ## | 2800 | 112.63 | 115.03 | 101.81506 |
| ## | 2801 | 115.74 | 115.51 | 102.23991 |
| ## | 2802 | 114.55 | 114.68 | 101.50526 |
| ## | 2803 | 114.65 | 114.71 | 101.53181 |
| ## | 2804 | 115.00 | 115.19 | 101.95667 |
| ## | 2805 | 115.50 | 114.98 | 101.77080 |
| ## | 2806 | 115.31 | 117.31 | 103.83312 |
| ## | 2807 | 118.14 | 118.77 | 105.12537 |
| ## | 2808 | 118.91 | 117.36 | 103.12337 |
| ## | 2809 | 117.82 | 117.50 | 102.23106 |
| ## | 2810 | 117.02 | 113.43 | 102.23100 |
| ## | 2811 | 112.39 | 113.43 | 100.39887 |
| ## | 2812 | 112.39 | 115.06 | 101.84161 |
| ## | 2813 | 112.05 | 115.06 | 101.04101 |
| | | | | 101.93012 |
| ## | 2814 | 113.75 | 114.73 | |
| ## | 2815 | 115.11 | 114.74 | 101.55837 |
| ## | 2816 | 116.55 | 118.04 | 104.47926 |
| ## | 2817 | 118.00 | 117.66 | 104.14291 |
| ## | 2818 | 118.20 | 116.25 | 102.89490 |
| ## | 2819 | 116.56 | 114.95 | 101.74425 |
| ## | 2820 | 115.87 | 115.24 | 102.00093 |
| ## | 2821 | 115.34 | 115.44 | 102.17796 |
| ## | 2822 | 115.10 | 114.53 | 101.37248 |
| ## | 2823 | 114.87 | 114.64 | 101.46986 |
| ## | 2824 | 114.81 | 114.74 | 101.55837 |
| ## | 2825 | 113.20 | 109.95 | 97.31866 |
| ## | 2826 | 110.27 | 107.01 | 94.71640 |
| ## | 2827 | 109.19 | 110.31 | 97.63729 |
| ## | 2828 | 111.07 | 108.17 | 95.74314 |
| ## | 2829 | 108.28 | 108.00 | 95.59267 |
| ## | 2830 | 108.50 | 109.97 | 97.33636 |
| ## | 2831 | 109.96 | 107.85 | 95.45991 |
| ## | 2832 | 108.36 | 109.33 | 96.76989 |
| ## | 2833 | 107.10 | 110.99 | 98.23917 |
| ## | 2834 | 111.63 | 111.88 | 99.52909 |
| ## | 2835 | 110.55 | 109.09 | 97.04710 |
| ## | 2836 | 110.01 | 110.40 | 98.21249 |
| ## | 2837 | 112.13 | 112.51 | 100.08957 |
| ## | 2838 | 111.66 | 110.62 | 98.40820 |
| ## | 2839 | 111.56 | 113.37 | 100.85462 |
| ## | 2840 | 115.02 | 110.30 | 98.12352 |
| ## | 2841 | 110.94 | 110.21 | 98.04346 |
| ## | 2842 | 111.37 | 110.21 | 98.04346 |
| ## | 2843 | 110.53 | 109.32 | 97.25170 |
| ## | 2844 | 109.53 | 111.72 | 99.38679 |
| ## | 2845 | 112.30 | 111.47 | 99.16436 |
| ## | 2846 | 111.57 | 110.93 | 98.68397 |
| | | | | |

| ## | 2847 | 111.75 | 110.41 | 98.22139 |
|----|------|--------|--------|-----------|
| ## | 2848 | 110.27 | 109.99 | 97.84774 |
| ## | 2849 | 109.97 | 110.10 | 97.94559 |
| ## | 2850 | 109.55 | 109.40 | 97.32288 |
| ## | 2851 | 109.75 | 108.78 | 96.77132 |
| ## | 2852 | 108.45 | 108.78 | 96.77132 |
| | | 108.43 | | |
| ## | 2853 | | 107.92 | 96.00626 |
| ## | 2854 | 107.59 | 107.24 | 95.40132 |
| ## | 2855 | 106.43 | 108.43 | 96.45996 |
| ## | 2856 | 108.76 | 109.37 | 97.29620 |
| ## | 2857 | 109.53 | 110.99 | 98.73737 |
| ## | 2858 | 111.44 | 113.41 | 100.89019 |
| ## | 2859 | 113.19 | 114.29 | 101.67305 |
| ## | 2860 | 114.49 | 113.86 | 101.29053 |
| ## | 2861 | 114.11 | 113.90 | 101.32610 |
| ## | 2862 | 113.91 | 113.03 | 100.55213 |
| ## | 2863 | 112.89 | 113.34 | 100.82792 |
| ## | 2864 | 113.20 | 112.96 | 100.48988 |
| ## | 2865 | 112.75 | 111.13 | 98.86191 |
| ## | 2866 | 112.05 | 112.15 | 99.76930 |
| ## | 2867 | 112.35 | 113.01 | 100.53436 |
| ## | 2868 | 112.51 | 112.49 | 100.00100 |
| ## | 2869 | 112.14 | 111.23 | 98.95086 |
| | | | | 98.44379 |
| ## | 2870 | 110.46 | 110.66 | |
| ## | 2871 | 109.18 | 105.93 | 94.23595 |
| ## | 2872 | 107.64 | 108.35 | 96.38879 |
| ## | 2873 | 107.95 | 107.01 | 95.19672 |
| ## | 2874 | 108.34 | 108.40 | 96.43328 |
| ## | 2875 | 108.99 | 108.45 | 96.47775 |
| ## | 2876 | 108.24 | 107.84 | 95.93509 |
| ## | 2877 | 108.66 | 110.36 | 98.17690 |
| ## | 2878 | 111.18 | 110.80 | 98.56834 |
| ## | 2879 | 110.62 | 111.11 | 98.84410 |
| ## | 2880 | 111.12 | 110.83 | 98.59501 |
| ## | 2881 | 111.14 | 110.19 | 98.02568 |
| ## | 2882 | 110.46 | 109.97 | 97.82996 |
| ## | 2883 | 110.28 | 108.03 | 96.10412 |
| ## | 2884 | 107.80 | 107.90 | 95.98847 |
| ## | 2885 | 107.26 | 108.18 | 96.23756 |
| ## | 2886 | 106.90 | 107.55 | 95.67711 |
| ## | 2887 | 108.18 | 107.54 | 95.66821 |
| ## | 2888 | 107.10 | | 95.64152 |
| | | | 107.51 | |
| ## | 2889 | 108.16 | 105.75 | 94.07584 |
| ## | 2890 | 105.66 | 104.79 | 93.22179 |
| ## | 2891 | 104.71 | 104.86 | 93.28406 |
| ## | 2892 | 104.68 | 103.24 | 91.84292 |
| ## | 2893 | 103.68 | 104.93 | 93.34634 |
| ## | 2894 | 106.68 | 104.20 | 92.69693 |
| ## | 2895 | 103.72 | 105.08 | 93.47979 |
| ## | 2896 | 105.41 | 103.61 | 92.17207 |
| ## | 2897 | 104.13 | 103.72 | 92.77135 |
| ## | 2898 | 103.12 | 104.06 | 93.07546 |
| ## | 2899 | 104.71 | 107.28 | 95.95554 |
| ## | 2900 | 108.02 | 106.62 | 95.36522 |
| | | | | |

| ## | 2901 | 106.31 | 106.39 | 95.15950 |
|----|------|--------|--------|-----------|
| ## | 2902 | 107.42 | 106.85 | 95.57094 |
| ## | 2903 | 107.30 | 106.36 | 95.13265 |
| ## | 2904 | 107.05 | 110.58 | 98.90719 |
| ## | 2905 | 110.69 | 110.50 | 98.83566 |
| | | | | |
| ## | 2906 | 110.42 | 111.53 | 99.75691 |
| ## | 2907 | 111.06 | 109.89 | 98.29005 |
| ## | 2908 | 110.00 | 111.28 | 99.53331 |
| ## | 2909 | 111.06 | 113.35 | 101.38480 |
| ## | 2910 | 113.55 | 114.15 | 102.10034 |
| ## | 2911 | 113.88 | 115.18 | 103.02162 |
| ## | 2912 | 115.42 | 114.85 | 102.72646 |
| ## | 2913 | 115.18 | 116.03 | 103.78190 |
| ## | 2914 | 116.28 | 116.73 | 104.40799 |
| ## | 2915 | 117.08 | 114.95 | 102.81589 |
| | | | | |
| ## | 2916 | 115.75 | 115.66 | 103.45097 |
| ## | 2917 | 114.57 | 116.15 | 103.88922 |
| ## | 2918 | 116.00 | 117.09 | 104.73000 |
| ## | 2919 | 116.79 | 117.12 | 104.75682 |
| ## | 2920 | 117.74 | 117.55 | 105.14146 |
| ## | 2921 | 117.33 | 117.79 | 105.35612 |
| ## | 2922 | 117.51 | 116.88 | 104.54218 |
| ## | 2923 | 115.50 | 115.73 | 103.51357 |
| ## | 2924 | 115.56 | 113.89 | 101.86779 |
| ## | 2925 | 114.27 | 114.65 | 102.54757 |
| ## | 2926 | 113.82 | 113.70 | 101.69784 |
| ## | 2927 | 114.35 | 114.77 | 102.65490 |
| ## | 2928 | 114.64 | 114.77 | 102.65490 |
| | | | | |
| ## | 2929 | 114.59 | 114.62 | 102.52074 |
| ## | 2930 | 115.37 | 115.32 | 103.14684 |
| ## | 2931 | 115.31 | 114.97 | 102.83378 |
| ## | 2932 | 114.96 | 114.73 | 102.61912 |
| ## | 2933 | 114.98 | 114.68 | 102.57441 |
| ## | 2934 | 115.22 | 116.71 | 104.39011 |
| ## | 2935 | 117.00 | 116.14 | 103.88029 |
| ## | 2936 | 116.35 | 115.76 | 103.54038 |
| ## | 2937 | 115.59 | 115.19 | 103.03056 |
| ## | 2938 | 114.83 | 114.58 | 102.48496 |
| ## | 2939 | 114.34 | 115.15 | 102.99477 |
| ## | 2940 | 115.00 | 114.59 | 102.49390 |
| | | | 114.10 | |
| ## | 2941 | 114.50 | | 102.05562 |
| ## | 2942 | 114.50 | 114.32 | 102.25240 |
| ## | 2943 | 114.85 | 113.71 | 101.70680 |
| ## | 2944 | 113.54 | 114.43 | 102.35080 |
| ## | 2945 | 114.25 | 113.08 | 101.14329 |
| ## | 2946 | 113.37 | 113.52 | 101.53684 |
| ## | 2947 | 113.81 | 113.50 | 101.51897 |
| ## | 2948 | 113.79 | 113.84 | 101.82307 |
| ## | 2949 | 114.33 | 114.30 | 102.23450 |
| ## | 2950 | 114.44 | 117.62 | 105.20407 |
| ## | 2951 | 118.50 | 118.63 | 106.10743 |
| ## | 2952 | 119.13 | 117.85 | 105.40978 |
| ## | 2953 | 117.76 | 116.72 | 104.39906 |
| | | | | |
| ## | 2954 | 117.04 | 116.39 | 104.10390 |

| ## | 2955 | 116.75 | 115.02 | 102.87850 |
|----|------|--------|--------|-----------|
| ## | 2956 | 115.42 | 114.52 | 102.43127 |
| ## | 2957 | 113.65 | 112.84 | 100.92863 |
| ## | 2958 | 113.37 | 113.50 | 101.51897 |
| ## | 2959 | 113.36 | 113.97 | 101.93935 |
| ## | 2960 | 114.94 | 115.04 | 102.89638 |
| ## | 2961 | 114.55 | 115.27 | 103.82412 |
| ## | 2962 | 115.83 | 114.62 | 103.23867 |
| ## | 2963 | 114.25 | 115.32 | 103.86916 |
| ## | 2964 | 114.67 | 114.52 | 103.14859 |
| ## | 2965 | 114.70 | 111.47 | 100.40145 |
| ## | 2966 | 110.97 | 108.13 | 97.39309 |
| ## | 2967 | 110.37 | 106.15 | 96.33025 |
| ## | 2968 | 107.20 | 106.33 | 95.78085 |
| ## | 2969 | | | 97.83444 |
| ## | 2909 | 107.16 | 108.62 | 98.92429 |
| ## | 2970 | 108.38 | 109.83 | |
| | | 109.02 | 108.09 | 97.35706 |
| ## | 2972 | 107.65 | 107.91 | 97.19495 |
| ## | 2973 | 108.15 | 106.36 | 95.79885 |
| ## | 2974 | 104.20 | 105.25 | 94.79907 |
| ## | 2975 | 104.76 | 103.29 | 93.03368 |
| ## | 2976 | 104.18 | 104.86 | 94.44778 |
| ## | 2977 | 104.00 | 103.42 | 93.15079 |
| ## | 2978 | 104.46 | 104.85 | 94.43879 |
| ## | 2979 | 105.71 | 106.70 | 96.10509 |
| ## | 2980 | 108.08 | 109.02 | 98.19473 |
| ## | 2981 | 109.62 | 108.98 | 98.15871 |
| ## | 2982 | 109.90 | 108.38 | 97.61827 |
| ## | 2983 | 108.61 | 109.09 | 98.25778 |
| ## | 2984 | 108.67 | 109.60 | 98.71713 |
| ## | 2985 | 110.37 | 111.48 | 100.41045 |
| ## | 2986 | 111.01 | 112.38 | 101.22108 |
| ## | 2987 | 112.23 | 111.29 | 100.23932 |
| ## | 2988 | 111.42 | 108.95 | 98.13168 |
| ## | 2989 | 109.10 | 109.59 | 98.70812 |
| ## | 2990 | 110.23 | 107.33 | 96.67255 |
| ## | 2991 | 108.24 | 110.07 | 99.14047 |
| ## | | 109.45 | 109.99 | 99.06841 |
| ## | 2993 | 109.96 | 110.83 | 99.82500 |
| ## | 2994 | 109.78 | 108.45 | 97.68134 |
| ## | 2995 | 109.03 | 107.64 | 96.95174 |
| ## | 2996 | 106.74 | 106.65 | 96.06005 |
| ## | 2997 | 107.72 | 109.26 | 98.41090 |
| ## | 2998 | 108.76 | 109.72 | 98.82521 |
| ## | 2999 | 109.80 | 110.94 | 99.92407 |
| ## | 3000 | 110.27 | 110.06 | 99.13145 |
| ## | 3001 | 109.85 | 111.19 | 100.14925 |
| ## | 3002 | 112.38 | 112.24 | 101.09497 |
| ## | 3003 | 111.60 | 107.23 | 96.58247 |
| ## | 3004 | 105.01 | 105.19 | 94.74504 |
| ## | 3005 | 105.16 | 103.29 | 93.03368 |
| ## | 3006 | 102.87 | 101.36 | 91.29534 |
| ## | 3007 | 103.13 | 100.37 | 90.40363 |
| ## | 3008 | 101.66 | 101.02 | 90.98909 |

| ## | 3009 | 101.55 | 101.12 | 91.07916 |
|----|----------|--------|--------|----------|
| ## | 3010 | 99.99 | 100.29 | 90.33158 |
| ## | 3011 | 99.77 | 99.01 | 89.17868 |
| ## | 3012 | 99.42 | 98.54 | 88.75533 |
| ## | 3013 | 98.41 | 97.29 | 87.62947 |
| ## | 3014 | 96.61 | 96.45 | 86.87289 |
| | | | | |
| ## | 3015 | 96.68 | 94.17 | 84.81928 |
| ## | 3016 | 92.89 | 92.14 | 82.99084 |
| ## | 3017 | 92.69 | 95.96 | 86.43153 |
| ## | 3018 | 94.82 | 97.04 | 87.40430 |
| ## | 3019 | 97.95 | 96.83 | 87.21515 |
| ## | 3020 | 97.59 | 97.62 | 87.92670 |
| ## | 3021 | 95.95 | 99.31 | 89.44888 |
| ## | 3022 | 98.64 | 97.11 | 88.17766 |
| ## | 3023 | 99.11 | 100.69 | 91.42838 |
| ## | 3024 | 100.43 | 100.76 | 91.49194 |
| ## | 3025 | 101.63 | 100.70 | 91.31939 |
| | | | | 91.16502 |
| ## | 3026 | 100.81 | 100.40 | |
| ## | 3027 | 100.02 | 100.39 | 91.15596 |
| ## | 3028 | 99.89 | 99.91 | 90.72012 |
| ## | 3029 | 98.87 | 100.94 | 91.65537 |
| ## | 3030 | 98.89 | 101.68 | 92.32730 |
| ## | 3031 | 102.25 | 102.50 | 93.07189 |
| ## | 3032 | 102.11 | 102.92 | 93.45325 |
| ## | 3033 | 103.77 | 104.59 | 94.96964 |
| ## | 3034 | 103.08 | 102.94 | 93.47140 |
| ## | 3035 | 103.44 | 102.68 | 93.23534 |
| ## | 3036 | 102.13 | 102.74 | 93.28979 |
| ## | 3037 | 103.51 | 103.39 | 93.88002 |
| ## | 3038 | 102.89 | 103.88 | 94.32495 |
| | | | | 94.58828 |
| ## | 3039 | 103.88 | 104.17 | |
| ## | 3040 | 104.14 | 104.41 | 94.80619 |
| ## | 3041 | 103.41 | 103.50 | 93.97990 |
| ## | 3042 | 104.00 | 103.88 | 94.32495 |
| ## | 3043 | 103.79 | 104.25 | 94.66092 |
| ## | 3044 | 104.52 | 103.79 | 94.24323 |
| ## | 3045 | 103.71 | 103.74 | 94.19782 |
| ## | 3046 | 103.25 | 102.38 | 92.96291 |
| ## | 3047 | 102.08 | 101.36 | 92.03675 |
| ## | 3048 | 101.76 | 100.88 | 91.60089 |
| ## | 3049 | 101.95 | 102.60 | 93.16269 |
| ## | 3050 | 102.90 | 103.09 | 93.60761 |
| ## | 3051 | 102.47 | 102.42 | 92.99924 |
| | | | | |
| ## | 3052 | 103.90 | 105.55 | 95.84134 |
| ## | 3053 | 104.91 | 105.18 | 95.50538 |
| ## | 3054 | 105.21 | 105.69 | 95.96845 |
| ## | 3055 | 105.45 | 105.47 | 95.76868 |
| ## | 3056 | 105.70 | 105.00 | 95.34193 |
| ## | 3057 | 105.75 | 106.10 | 96.34074 |
| ## | 3058 | 104.50 | 105.29 | 95.60525 |
| ## | 3059 | 105.18 | 105.16 | 95.48721 |
| ## | 3060 | 105.01 | 104.36 | 94.76080 |
| ## | 3061 | 105.10 | 104.43 | 94.82436 |
| ## | 3062 | 104.92 | 104.19 | 94.60644 |
| " | <u>-</u> | | | |

| ## | 3063 | 104.13 | 104.11 | 94.53379 |
|----|--------------|------------------|------------------|------------------------|
| ## | 3064 | 103.86 | 103.72 | 94.17967 |
| ## | 3065 | 103.25 | 102.97 | 93.49865 |
| ## | 3066 | 101.99 | 103.01 | 93.53497 |
| ## | 3067 | 103.98 | 104.35 | 94.75171 |
| ## | 3068 | 104.59 | 104.04 | 94.47022 |
| ## | 3069 | 104.19 | 104.39 | 94.78803 |
| ## | 3070 | 104.50 | 105.34 | 95.65066 |
| ## | 3071 | 105.41 | 106.55 | 96.74936 |
| ## | 3072 | 106.55 | 107.19 | 97.33049 |
| ## | 3073 | 108.20 | 106.80 | 96.97636 |
| ## | 3074 | 106.43 | 104.52 | 94.90608 |
| ## | 3075 | 103.49 | 102.87 | 93.40786 |
| ## | 3076 | 101.82 | 99.76 | 90.58392 |
| ## | 3077 | 99.59 | 98.93 | 89.83025 |
| ## | 3078 | 99.82 | 99.92 | 90.72920 |
| ## | 3079 | 99.88 | 99.58 | 90.42047 |
| ## | 3080 | 100.00 | 100.71 | 91.44653 |
| ## | 3081 | 101.54 | 101.23 | 91.91871 |
| ## | 3082 | 102.15 | 104.64 | 95.01505 |
| ## | 3083 | 104.60 | 105.14 | 95.46905 |
| ## | 3084 | 105.81 | 105.35 | 95.65973 |
| ## | 3085 | 104.55 | 105.56 | 96.58384 |
| ## | 3086 | 105.80 | 105.31 | 96.35511 |
| ## | 3087 | 105.11 | 105.65 | 96.66619 |
| ## | 3088 | 105.08 | 104.87 | 95.95253 |
| ## | 3089 | 105.13 | 105.34 | 96.38257 |
| ## | 3090 | 105.71 | 106.23 | 97.19689 |
| ## | 3091 | 109.44 | 111.21 | 101.75342 |
| ## | 3092 | 110.92 | 109.94 | 100.59141 |
| ## | 3093 | 109.90 | 111.10 | 101.65276 |
| ## | 3094 | 111.70 | 114.30 | 104.58067 |
| ## | 3095 | 114.53 | 113.46 | 103.81208 |
| ## | 3096 | 112.83 | 113.60 | 103.94017 |
| ## | 3097 | 113.00 | 113.74 | 104.06827 |
| ## | 3098 3099 | 113.26 113.01 | 113.55 113.61 | 103.89443 103.94934 |
| | 3100 | 113.01 | 113.61 | 103.94934 |
| | 3100 | 114.60 | 116.12 | 104.73020 |
| ## | | 116.43 | 116.12 | 106.18185 |
| | 3103 | 115.72 | 115.16 | 105.36752 |
| | 3104 | 115.72 | 115.41 | 105.59626 |
| | 3105 | 116.00 | 116.12 | 106.24589 |
| | 3106 | 114.18 | 115.09 | 105.30347 |
| | 3107 | 114.03 | 113.21 | 103.58335 |
| | 3108 | 112.66 | 112.61 | 103.03438 |
| | 3109 | 111.14 | 112.52 | 102.95203 |
| ## | 3110 | 111.75 | 112.51 | 102.94288 |
| | 3111 | 110.08 | 109.45 | 100.14307 |
| | 3112 | 109.55 | 110.32 | 100.93910 |
| | 3113 | 109.21 | 109.90 | 100.55480 |
| ## | 3114 | 110.62 | 111.31 | 101.84490 |
| ## | 3115 | 110.00 | 110.77 | 101.35083 |
| ## | 3116 | 110.58 | 111.35 | 101.88151 |

| ## | 3117 | 111.44 | 111.73 | 102.22919 |
|----|---------|--------|--------|-----------|
| ## | 3118 | 111.40 | 110.82 | 101.39658 |
| ## | 3119 | 109.64 | 108.64 | 99.40195 |
| ## | 3120 | 109.52 | 109.71 | 100.38097 |
| ## | 3121 | 109.20 | 108.52 | 99.29214 |
| ## | 3122 | 107.45 | 108.22 | 99.01766 |
| ## | 3123 | 108.65 | 107.06 | 97.95630 |
| ## | 3124 | 105.56 | 105.96 | 96.94984 |
| ## | 3125 | 105.80 | 106.46 | 97.40733 |
| ## | 3126 | 107.85 | 109.74 | 100.40841 |
| ## | 3127 | 109.86 | 110.13 | 100.76524 |
| ## | 3128 | | | |
| | | 110.15 | 110.37 | 100.98485 |
| ## | 3129 | 109.70 | 109.16 | 99.87774 |
| ## | 3130 | 110.75 | 110.34 | 100.95739 |
| ## | 3131 | 110.82 | 110.68 | 101.26847 |
| ## | 3132 | 110.70 | 109.27 | 99.97839 |
| ## | 3133 | 109.46 | 109.54 | 100.22541 |
| ## | 3134 | 109.57 | 109.82 | 100.48161 |
| ## | 3135 | 109.70 | 109.22 | 99.93262 |
| ## | 3136 | 109.01 | 110.71 | 101.29591 |
| ## | 3137 | 110.82 | 109.91 | 100.56396 |
| ## | 3138 | 110.88 | 110.19 | 100.82014 |
| ## | 3139 | 110.19 | 109.44 | 100.13393 |
| ## | 3140 | 109.28 | 108.66 | 99.42025 |
| ## | 3141 | 108.68 | 107.76 | 98.59678 |
| ## | 3142 | 108.30 | 108.48 | 99.25555 |
| ## | 3143 | 108.84 | 108.84 | 99.58494 |
| ## | 3144 | 111.04 | 111.80 | 102.29324 |
| ## | 3145 | 113.23 | 113.68 | 104.01338 |
| ## | 3146 | 113.51 | 113.80 | 104.12318 |
| ## | 3147 | 113.34 | 112.82 | 103.95731 |
| ## | 3148 | 113.51 | 113.49 | 104.57467 |
| ## | 3149 | 112.96 | 112.87 | 104.00339 |
| ## | 3150 | 112.28 | 113.35 | 104.44568 |
| ## | 3151 | 113.37 | 113.02 | 104.14160 |
| ## | 3152 | 113.37 | 114.10 | 105.13676 |
| ## | 3153 | 114.13 | 115.30 | 106.24250 |
| ## | 3154 | 115.54 | 113.90 | 104.95248 |
| ## | 3155 | 113.48 | 115.12 | 106.07664 |
| ## | 3156 | 114.43 | 113.99 | 105.03541 |
| ## | 3157 | 113.93 | 114.67 | 105.66200 |
| ## | 3158 | 114.89 | 113.54 | 104.62076 |
| ## | 3159 | 112.91 | 114.27 | 105.29340 |
| ## | 3160 | 114.88 | 116.36 | 107.21924 |
| ## | 3161 | 115.58 | 116.83 | 107.65231 |
| ## | 3162 | 116.89 | 115.71 | 106.62028 |
| ## | 3163 | 115.77 | 116.22 | 107.09023 |
| ## | 3164 | 116.46 | 115.85 | 106.74930 |
| ## | 3165 | 115.19 | 115.59 | 106.50970 |
| ## | 3166 | 116.10 | 116.00 | 106.88751 |
| ## | 3167 | 115.33 | 112.94 | 104.06789 |
| ## | 3168 | 112.40 | 112.93 | 104.05868 |
| ## | 3169 | 110.79 | 109.57 | 100.96262 |
| ## | 3170 | 110.75 | 110.43 | 101.75507 |
| | J = . U | | | |

| ## | 3171 | 108.00 | 108.03 | 99.54359 |
|----|--------------|------------------|------------------|------------------------|
| ## | 3172 | 109.05 | 109.86 | 101.22984 |
| ## | 3173 | 109.35 | 109.74 | 101.11926 |
| ## | 3174 | 108.44 | 107.68 | 99.22109 |
| ## | 3175 | 107.95 | 109.34 | 100.75069 |
| ## | 3176 | 106.30 | 104.80 | 96.56734 |
| ## | 3177 | 104.82 | 105.20 | 96.93592 |
| ## | 3178 | 106.37 | 107.72 | 99.25796 |
| ## | 3179 | 109.63 | 108.69 | 100.15175 |
| ## | 3180 | 107.85 | 107.31 | 98.88016 |
| ## | 3181 | 108.21 | 107.61 | 99.15659 |
| ## | 3182 | 108.37 | 108.72 | 100.17939 |
| ## | 3183 | 108.00 | 106.02 | 97.69151 |
| ## | 3184 | 106.62 | 106.87 | 98.47473 |
| ## | 3185 | 107.35 | 105.74 | 97.43348 |
| ## | 3186 | 105.08 | 106.80 | 98.41022 |
| ## | 3187 | 108.14 | 109.22 | 100.64011 |
| ## | 3188 | 109.84 | 109.86 | 101.22984 |
| ## | 3189 | 108.98 | 108.56 | 100.03196 |
| ## | 3190 | 109.45 | 109.87 | 101.23906 |
| ## | 3191 | 111.25 | 112.37 | 103.54266 |
| ## | 3192 | 112.66 | 112.61 | 103.76382 |
| ## | 3193 | 113.71 | 115.40 | 106.33466 |
| ## | 3194 | 116.30 | 116.87 | 107.68916 |
| ## | 3195 | 116.89 | 117.19 | 107.98403 |
| ## | 3196 | 116.55 | 117.91 | 108.64748 |
| ## | 3197 | 119.00 | 120.23 | 110.78522 |
| ## | 3198 | 118.90 | 119.16 | 109.79928 |
| ## | 3199 | 118.42 | 118.57 | 109.25562 |
| ## | 3200 | 118.32 | 119.76 | 110.35213 |
| ## | 3201 | 119.70 | 119.38 | 110.00199 |
| ## | 3202 | 119.74 | 118.90 | 109.55970 |
| ## | 3203 | 117.78 | 118.88 | 109.54127 |
| ## | 3204 | 118.75 | 117.33 | 108.11302 |
| ## | 3205 | 117.27 | 118.00 | 108.73040 |
| ## | 3206 3207 | 117.88 117.96 | 117.03 117.72 | 107.83660 |
| ## | | | | 108.47238 |
| | 3208 3209 | 118.36 118.40 | 117.69 115.55 | 108.44476 106.47286 |
| | 3210 | 114.81 | 113.35 | 100.47280 |
| | 3211 | 112.27 | 112.19 | 104.33334 |
| | 3212 | 112.34 | 114.62 | 104.20433 |
| | 3213 | 114.19 | 114.37 | 106.22977 |
| | 3214 | 113.06 | 111.82 | 103.86125 |
| | 3215 | 112.67 | 112.63 | 104.61362 |
| | 3216 | 113.14 | 114.21 | 106.08115 |
| | 3217 | 116.03 | 116.14 | 107.87378 |
| | 3218 | 115.85 | 116.45 | 108.16173 |
| | 3219 | 118.85 | 119.96 | 111.42190 |
| | 3220 | 119.96 | 119.68 | 111.16183 |
| | 3221 | 120.75 | 120.35 | 111.78415 |
| | 3222 | 120.00 | 120.56 | 111.97920 |
| ## | 3223 | 122.05 | 123.55 | 114.75638 |
| ## | 3224 | 123.45 | 124.79 | 115.90813 |

| ## | 3225 | 124.20 | 125.12 | 116.21464 |
|----|------|--------|--------|-----------|
| ## | 3226 | 125.29 | 125.03 | 116.13103 |
| ## | 3227 | 125.00 | 126.03 | 117.05988 |
| ## | 3228 | 126.57 | 126.51 | 117.50571 |
| ## | 3229 | 126.06 | 126.43 | 117.43139 |
| ## | 3230 | 126.05 | 125.73 | 116.78121 |
| | | | | |
| ## | 3231 | 125.49 | 124.92 | 116.02886 |
| ## | 3232 | 126.20 | 127.80 | 118.70389 |
| ## | 3233 | 129.08 | 128.82 | 119.65130 |
| ## | 3234 | 129.39 | 129.10 | 119.91137 |
| ## | 3235 | 128.69 | 129.30 | 120.09714 |
| ## | 3236 | 130.43 | 130.00 | 120.74731 |
| ## | 3237 | 129.88 | 130.38 | 121.10028 |
| ## | 3238 | 129.60 | 129.92 | 120.67301 |
| ## | 3239 | 129.63 | 129.16 | 119.96709 |
| ## | 3240 | 128.13 | 128.48 | 119.33549 |
| ## | 3241 | 127.72 | 128.60 | 119.44696 |
| ## | 3242 | 129.23 | 129.53 | 120.31074 |
| ## | 3243 | 129.56 | 130.62 | 121.32318 |
| ## | 3244 | 130.99 | 130.58 | 121.28603 |
| ## | 3245 | 130.30 | 129.63 | 120.40366 |
| ## | 3246 | 130.00 | 129.93 | 120.68227 |
| ## | 3247 | 130.00 | 130.79 | 121.48106 |
| | 0 | 131.25 | | |
| ## | 3248 | | 131.49 | 122.13126 |
| ## | 3249 | 131.82 | 131.67 | 122.29845 |
| ## | 3250 | 132.29 | 132.06 | 122.66068 |
| ## | 3251 | 131.87 | 131.76 | 122.38206 |
| ## | 3252 | 132.31 | 131.47 | 122.11266 |
| ## | 3253 | 129.77 | 129.78 | 120.54298 |
| ## | 3254 | 130.38 | 132.34 | 122.92076 |
| ## | 3255 | 132.68 | 133.06 | 123.58951 |
| ## | 3256 | 134.69 | 135.04 | 125.42861 |
| ## | 3257 | 134.63 | 134.41 | 124.84343 |
| ## | 3258 | 133.25 | 134.50 | 124.92702 |
| ## | 3259 | 134.29 | 134.18 | 124.62980 |
| ## | 3260 | 134.49 | 138.02 | 128.19650 |
| ## | 3261 | 137.95 | 136.81 | 127.07261 |
| ## | 3262 | 138.38 | 137.34 | 127.56489 |
| ## | 3263 | 137.73 | 138.18 | 128.34509 |
| ## | 3264 | 138.15 | 138.04 | 128.21504 |
| ## | 3265 | 137.76 | 137.35 | 127.57418 |
| ## | 3266 | 138.02 | 137.24 | 127.47202 |
| | | | | |
| ## | 3267 | 137.60 | 137.20 | 127.43485 |
| ## | 3268 | 137.33 | 137.58 | 127.78780 |
| ## | 3269 | 137.89 | 139.04 | 129.14386 |
| ## | 3270 | 139.30 | 139.14 | 129.23677 |
| ## | 3271 | 139.90 | 138.63 | 128.76306 |
| ## | 3272 | 138.51 | 139.40 | 129.47827 |
| ## | 3273 | 139.79 | 141.09 | 131.04799 |
| ## | 3274 | 137.50 | 138.34 | 129.31862 |
| ## | 3275 | 136.56 | 138.23 | 129.21579 |
| ## | 3276 | 137.28 | 135.88 | 127.01904 |
| ## | 3277 | 135.70 | 136.94 | 128.00992 |
| ## | 3278 | 138.05 | 137.44 | 128.47733 |
| | | | | |

| ## | 3279 | 137.21 | 136.07 | 127.19668 |
|----|------|--------|--------|-----------|
| ## | 3280 | 136.19 | 137.20 | 128.25296 |
| ## | 3281 | 137.94 | 138.80 | 129.74863 |
| ## | 3282 | 137.85 | 136.72 | 127.80428 |
| ## | 3283 | 137.45 | 137.25 | 128.29970 |
| | | | | |
| ## | 3284 | 137.54 | 138.20 | 129.18776 |
| ## | 3285 | 137.19 | 136.84 | 127.91644 |
| ## | 3286 | 137.24 | 136.68 | 127.76685 |
| ## | 3287 | 135.71 | 136.54 | 127.63599 |
| ## | 3288 | 136.37 | 133.15 | 124.46708 |
| ## | 3289 | 130.27 | 132.03 | 123.42010 |
| ## | 3290 | 132.84 | 134.43 | 125.66361 |
| ## | 3291 | 134.81 | 134.23 | 125.47664 |
| ## | 3292 | 132.69 | 135.89 | 127.02839 |
| ## | 3293 | 134.49 | 132.36 | 123.72858 |
| | | | | |
| ## | 3294 | 132.66 | 133.37 | 124.67273 |
| ## | 3295 | 135.55 | 135.29 | 126.46751 |
| ## | 3296 | 136.57 | 137.59 | 128.61752 |
| ## | 3297 | 138.24 | 137.61 | 128.63621 |
| ## | 3298 | 136.73 | 137.17 | 128.22492 |
| ## | 3299 | 136.95 | 137.74 | 128.75777 |
| ## | 3300 | 138.26 | 138.00 | 129.00076 |
| ## | 3301 | 138.60 | 138.00 | 129.00076 |
| ## | 3302 | 137.75 | 137.88 | 128.88861 |
| ## | 3303 | 137.84 | 137.46 | 128.49600 |
| ## | 3304 | 137.34 | 135.64 | 126.79468 |
| ## | 3305 | 136.91 | 137.49 | 128.52405 |
| ## | 3306 | 137.17 | 137.49 | 128.52405 |
| ## | 3307 | 136.55 | 135.81 | 126.95362 |
| | | | | 123.54162 |
| ## | 3308 | 131.44 | 132.16 | |
| ## | 3309 | 131.00 | 126.26 | 118.02639 |
| ## | 3310 | 126.93 | 126.64 | 118.38159 |
| ## | 3311 | 122.91 | 121.37 | 113.45526 |
| ## | 3312 | 117.52 | 116.11 | 108.53828 |
| ## | 3313 | 116.63 | 121.52 | 113.59548 |
| ## | 3314 | 120.97 | 116.96 | 109.33285 |
| ## | 3315 | 118.33 | 119.85 | 112.03437 |
| ## | 3316 | 115.67 | 113.97 | 106.53783 |
| ## | 3317 | 106.26 | 108.08 | 101.03193 |
| ## | 3318 | 96.57 | 93.44 | 87.34662 |
| ## | 3319 | 99.00 | 100.70 | 94.13319 |
| ## | 3320 | 97.70 | 95.96 | 89.70229 |
| ## | 3321 | 89.59 | 88.05 | 82.30811 |
| ## | | | | 97.13386 |
| | 3322 | 95.99 | 103.91 | |
| ## | 3323 | 85.20 | 88.36 | 82.59790 |
| ## | 3324 | 90.89 | 93.76 | 87.64576 |
| ## | 3325 | 87.67 | 83.89 | 78.41939 |
| ## | 3326 | 81.56 | 85.30 | 79.73743 |
| ## | 3327 | 86.30 | 83.50 | 78.05483 |
| ## | 3328 | 82.68 | 79.03 | 73.87631 |
| ## | 3329 | 84.90 | 88.43 | 82.66333 |
| ## | 3330 | 89.24 | 91.73 | 85.74813 |
| ## | 3331 | 94.08 | 98.12 | 91.72144 |
| ## | 3332 | 93.19 | 91.13 | 85.18726 |
| | | | | |

| ## | 3333 | 90.65 | 93.50 | 87.40270 |
|----|------|----------|--------|-----------|
| ## | 3334 | 92.05 | 90.03 | 84.15899 |
| ## | 3335 | 85.10 | 84.36 | 78.85873 |
| ## | 3336 | 83.51 | 87.51 | 81.80334 |
| ## | 3337 | 86.00 | 84.05 | 79.38541 |
| ## | 3338 | 88.99 | 89.46 | 84.49515 |
| ## | 3339 | 94.45 | 90.64 | 85.60968 |
| ## | 3340 | 92.10 | 94.30 | 89.06656 |
| ## | 3341 | 96.92 | 102.76 | 97.05705 |
| | 3342 | 103.11 | 98.19 | 92.74067 |
| | | | | |
| | 3343 | 101.02 | 95.50 | 90.19995 |
| | 3344 | 91.15 | 90.79 | 85.75135 |
| | 3345 | 90.23 | 87.33 | 82.48337 |
| ## | 3346 | 92.00 | 95.18 | 89.89771 |
| ## | 3347 | 92.47 | 91.71 | 86.62028 |
| ## | 3348 | 88.62 | 89.05 | 84.10791 |
| ## | 3349 | 90.69 | 89.34 | 84.38182 |
| ## | 3350 | 89.74 | 89.39 | 84.42904 |
| ## | 3351 | 90.64 | 90.71 | 85.67580 |
| ## | 3352 | 91.94 | 94.62 | 89.36880 |
| ## | 3353 | 97.81 | 95.29 | 90.00160 |
| ## | 3354 | 99.08 | 97.86 | 92.42897 |
| | 3355 | 95.60 | 95.76 | 90.44553 |
| | 3356 | 93.50 | 93.25 | 88.07483 |
| | 3357 | 92.02 | 92.14 | 87.02643 |
| | | | | 86.89420 |
| | 3358 | 93.65 | 92.00 | |
| | 3359 | 92.16 | 90.27 | 85.26021 |
| | 3360 | 91.34 | 91.21 | 86.14803 |
| | 3361 | 92.80 | 92.70 | 87.55535 |
| | 3362 | 91.11 | 89.97 | 84.97685 |
| ## | 3363 | 90.15 | 87.03 | 82.20002 |
| ## | 3364 | 86.38 | 84.03 | 79.36652 |
| ## | 3365 | 82.72 | 87.52 | 82.66282 |
| ## | 3366 | 86.85 | 85.90 | 81.13274 |
| ## | 3367 | 88.69 | 90.45 | 85.43022 |
| ## | 3368 | 90.05 | 88.67 | 83.74900 |
| ## | 3369 | 90.71 | 91.33 | 86.26138 |
| ## | 3370 | 90.27 | 90.17 | 85.16574 |
| | 3371 | 90.01 | 89.47 | 84.50461 |
| | 3372 | 92.89 | 95.82 | 90.50219 |
| | 3373 | 102.07 | 101.37 | 95.74418 |
| | | | | |
| | 3374 | 102.94 | 99.86 | 94.31798 |
| | 3375 | 98.66 | 97.31 | 91.90950 |
| | 3376 | 97.75 | 98.60 | 93.12791 |
| | 3377 | 100.28 | 98.93 | 93.43959 |
| | 3378 | 101.58 | 104.27 | 98.48323 |
| | 3379 | 103.82 | 106.44 | 100.53281 |
| ## | 3380 | 114.93 | 111.23 | 105.05697 |
| ## | 3381 | 113.41 | 113.45 | 107.15376 |
| ## | 3382 | 110.65 | 110.54 | 104.40527 |
| ## | 3383 | 110.46 | 106.06 | 100.17389 |
| ## | 3384 | 100.03 | 97.21 | 91.81504 |
| | 3385 | 100.71 | 99.87 | 94.32744 |
| | 3386 | 96.42 | 101.25 | 95.63084 |
| | | J J . 12 | | |

| ## | 3387 | 105.37 | 102.06 | 96.39588 |
|----|------|--------|--------|----------|
| ## | 3388 | 102.53 | 99.48 | 93.95908 |
| ## | 3389 | 98.67 | 98.94 | 93.44904 |
| ## | 3390 | 100.53 | 97.81 | 92.38175 |
| ## | 3391 | 97.25 | 96.75 | 91.38058 |
| ## | 3392 | 98.97 | 97.93 | 92.49509 |
| | | | | |
| ## | 3393 | 96.75 | 94.66 | 89.40658 |
| ## | 3394 | 94.35 | 97.96 | 92.52343 |
| ## | 3395 | 95.11 | 92.59 | 87.45145 |
| ## | 3396 | 93.40 | 93.00 | 87.83870 |
| ## | 3397 | 92.83 | 94.06 | 88.83987 |
| ## | 3398 | 94.89 | 93.26 | 88.08427 |
| ## | 3399 | 94.74 | 92.66 | 88.37038 |
| ## | 3400 | 94.43 | 95.00 | 90.60205 |
| ## | 3401 | 93.82 | 92.32 | 88.04611 |
| ## | 3402 | 92.29 | 93.30 | 88.98074 |
| ## | 3403 | 93.52 | 91.28 | 87.05427 |
| ## | 3404 | 92.00 | 96.27 | 91.81325 |
| ## | 3405 | 98.73 | 97.65 | 93.12938 |
| ## | 3406 | 98.37 | 98.21 | 93.66345 |
| ## | 3407 | 100.89 | 99.73 | 95.11308 |
| ## | 3408 | 98.78 | 100.01 | 95.38013 |
| ## | 3409 | 100.00 | 98.16 | 93.61577 |
| | 3410 | | | |
| ## | | 97.43 | 97.30 | 92.79559 |
| ## | 3411 | 97.71 | 99.41 | 94.80791 |
| ## | 3412 | 99.65 | 98.69 | 94.12123 |
| ## | 3413 | 98.50 | 98.98 | 94.39780 |
| ## | 3414 | 99.60 | 98.28 | 93.73021 |
| ## | 3415 | 97.51 | 96.90 | 92.41409 |
| ## | 3416 | 96.50 | 97.32 | 92.81464 |
| ## | 3417 | 97.07 | 99.68 | 95.06539 |
| ## | 3418 | 97.54 | 97.02 | 92.52853 |
| ## | 3419 | 96.48 | 96.64 | 92.16613 |
| ## | 3420 | 97.02 | 96.10 | 91.65113 |
| ## | 3421 | 95.91 | 95.55 | 91.12660 |
| ## | 3422 | 95.87 | 97.21 | 92.70976 |
| ## | 3423 | 97.58 | 97.24 | 92.73835 |
| ## | 3424 | 96.93 | 99.38 | 94.77928 |
| ## | 3425 | 100.11 | 100.64 | 95.98096 |
| ## | 3426 | 103.86 | 103.82 | 99.01374 |
| | | | | |
| ## | 3427 | 106.16 | 102.94 | 98.17448 |
| ## | 3428 | 102.00 | 102.37 | 97.63087 |
| ## | 3429 | 101.50 | 102.41 | 97.66901 |
| ## | 3430 | 101.50 | 99.71 | 95.09401 |
| ## | 3431 | 99.91 | 98.32 | 93.76836 |
| ## | 3432 | 98.92 | 98.55 | 93.98770 |
| ## | 3433 | 97.26 | 97.37 | 92.86234 |
| ## | 3434 | 97.27 | 97.32 | 92.81464 |
| ## | 3435 | 98.45 | 100.06 | 95.42780 |
| ## | 3436 | 101.27 | 100.50 | 95.84744 |
| ## | 3437 | 99.94 | 99.09 | 94.50271 |
| ## | 3438 | 99.00 | 102.35 | 97.61179 |
| ## | 3439 | 103.14 | 102.77 | 98.01234 |
| ## | 3440 | 102.12 | 100.19 | 95.55179 |
| | | | | |

| ## | 3441 | 99.55 | 100.14 | 95.50410 |
|----|------|--------|--------|----------------------|
| ## | 3442 | 99.95 | 101.65 | 96.94420 |
| ## | 3443 | 103.32 | 101.33 | 96.63902 |
| ## | 3444 | 104.05 | 103.52 | 98.72762 |
| ## | 3445 | 102.98 | 99.92 | 95.29429 |
| ## | 3446 | 100.80 | 100.87 | 96.20030 |
| ## | 3447 | 101.40 | 99.83 | 95.20845 |
| ## | 3448 | 99.97 | 101.07 | 96.39105 |
| ## | 3449 | 101.51 | 102.47 | 97.72623 |
| ## | 3450 | 101.31 | 99.28 | 94.68391 |
| ## | 3451 | 99.43 | | |
| | | | 99.70 | 95.08446 |
| ## | 3452 | 98.70 | 98.56 | 93.99725 |
| ## | 3453 | 97.89 | 98.35 | 93.79697 |
| ## | 3454 | 95.20 | 95.31 | 90.89770 |
| ## | 3455 | 94.96 | 94.27 | 89.90585 |
| ## | 3456 | 94.78 | 92.74 | 88.44669 |
| ## | 3457 | 92.32 | 92.66 | 88.37038 |
| ## | 3458 | 92.05 | 93.47 | 89.14288 |
| ## | 3459 | 95.06 | 96.16 | 91.70836 |
| ## | 3460 | 96.03 | 95.35 | 90.93585 |
| ## | 3461 | 95.35 | 96.27 | 91.81325 |
| ## | 3462 | 97.12 | 96.97 | 92.48086 |
| ## | 3463 | 95.25 | 97.89 | 93.35826 |
| ## | 3464 | 98.32 | 99.04 | 95.33151 |
| ## | 3465 | 100.07 | 98.02 | 94.34970 |
| ## | 3466 | 98.96 | 99.73 | 95.99567 |
| ## | 3467 | 100.51 | 101.78 | 97.96891 |
| | | | | |
| ## | 3468 | 102.00 | 101.20 | 97.41063 |
| ## | 3469 | 101.10 | 102.44 | 98.60420 |
| ## | 3470 | 103.00 | 100.78 | 97.00635 |
| ## | 3471 | 101.03 | 100.22 | 96.46733 |
| ## | 3472 | 99.10 | 101.72 | 97.91116 |
| ## | 3473 | 101.41 | 101.51 | 97.70902 |
| ## | 3474 | 101.60 | 99.80 | 96.06306 |
| ## | 3475 | 100.31 | 100.37 | 96.61172 |
| ## | 3476 | 100.36 | 99.37 | 95.64915 |
| ## | 3477 | 99.32 | 102.88 | 99.02771 |
| ## | 3478 | 103.50 | 103.81 | 99.92289 |
| ## | 3479 | 102.65 | 101.24 | 97.44913 |
| ## | 3480 | 100.51 | 99.33 | 95.61064 |
| ## | 3481 | 97.50 | 96.54 | 92.92511 |
| ## | 3482 | 96.12 | 97.17 | 93.53153 |
| ## | 3483 | 97.91 | 98.04 | 94.36894 |
| ## | 3484 | 99.39 | 100.25 | 96.49620 |
| ## | 3485 | 103.02 | 103.41 | |
| | 3486 | | 103.41 | 99.53787 96.49620 |
| ## | | 101.00 | | |
| ## | 3487 | 101.06 | 104.35 | 100.44267 |
| ## | 3488 | 105.03 | 102.96 | 99.10473 |
| ## | 3489 | 113.16 | 116.90 | 112.52274 |
| ## | 3490 | 117.35 | 116.52 | 112.15697 |
| ## | 3491 | 116.89 | 114.78 | 110.48213 |
| ## | 3492 | 112.53 | 113.37 | 109.12492 |
| ## | 3493 | 114.70 | 114.08 | 109.80835 |
| ## | 3494 | 117.79 | 117.30 | 112.90778 |
| | | | | |

| ## | 3495 | 115.39 | 116.11 | 111.76232 |
|----|------|--------|--------|-----------|
| ## | 3496 | 117.34 | 115.25 | 110.93453 |
| ## | 3497 | 114.18 | 115.56 | 111.23291 |
| ## | 3498 | 114.43 | 114.57 | 110.28000 |
| ## | 3499 | 116.05 | 117.87 | 113.45643 |
| ## | 3500 | 120.07 | 123.32 | 118.70236 |
| | | | | |
| ## | 3501 | 121.37 | 122.03 | 117.46066 |
| ## | 3502 | 122.00 | 121.22 | 116.68099 |
| ## | 3503 | 120.00 | 117.88 | 113.46605 |
| ## | 3504 | 120.34 | 119.74 | 115.25640 |
| ## | 3505 | 119.70 | 122.04 | 117.47028 |
| ## | 3506 | 121.85 | 121.24 | 116.70025 |
| ## | 3507 | 122.48 | 122.34 | 117.75905 |
| ## | 3508 | 121.15 | 121.88 | 117.31628 |
| ## | 3509 | 121.04 | 122.00 | 117.43178 |
| ## | 3510 | 123.17 | 121.05 | 116.51736 |
| | | | 120.27 | 115.76656 |
| ## | 3511 | 119.99 | | |
| ## | 3512 | 118.94 | 119.56 | 115.08315 |
| ## | 3513 | 121.34 | 118.30 | 113.87034 |
| ## | 3514 | 119.29 | 120.32 | 115.81469 |
| ## | 3515 | 120.30 | 120.67 | 116.15159 |
| ## | 3516 | 121.26 | 119.67 | 115.18903 |
| ## | 3517 | 119.14 | 119.08 | 114.62112 |
| ## | 3518 | 123.17 | 123.55 | 118.92374 |
| ## | 3519 | 123.39 | 121.67 | 117.11414 |
| ## | 3520 | 122.78 | 125.07 | 120.38683 |
| ## | 3521 | 125.09 | 124.52 | 119.85741 |
| ## | 3522 | 125.82 | 125.34 | 120.64671 |
| ## | 3523 | 126.20 | 125.01 | 120.32907 |
| ## | 3524 | 125.49 | 125.36 | 120.66598 |
| ## | 3525 | 125.49 | 127.07 | 122.31194 |
| | | | | |
| ## | 3526 | 127.50 | 125.87 | 121.15688 |
| ## | 3527 | 124.99 | 125.65 | 121.81612 |
| ## | 3528 | 129.88 | 131.55 | 127.53610 |
| ## | 3529 | 135.69 | 135.87 | 131.72429 |
| ## | 3530 | 135.97 | 136.02 | 131.86972 |
| ## | 3531 | 134.58 | 138.05 | 133.83775 |
| ## | 3532 | 139.44 | 140.22 | 135.94154 |
| ## | 3533 | 138.59 | 140.35 | 136.06761 |
| ## | 3534 | 140.49 | 141.17 | 136.86258 |
| ## | 3535 | 137.43 | 138.64 | 134.40977 |
| ## | 3536 | 139.86 | 138.04 | 133.82805 |
| ## | 3537 | 137.82 | 135.97 | 131.82123 |
| ## | 3538 | 135.69 | 134.83 | 130.71600 |
| | | | | |
| ## | 3539 | 132.69 | 133.79 | 129.70775 |
| ## | 3540 | 132.14 | 132.12 | 128.08870 |
| ## | 3541 | 132.75 | 131.58 | 127.56519 |
| ## | 3542 | 129.59 | 127.86 | 123.95869 |
| ## | 3543 | 129.90 | 130.11 | 126.14003 |
| ## | 3544 | 131.19 | 128.67 | 124.74398 |
| ## | 3545 | 129.40 | 129.62 | 125.66499 |
| ## | 3546 | 131.94 | 133.61 | 129.53323 |
| ## | 3547 | 133.65 | 135.14 | 131.01656 |
| ## | 3548 | 135.47 | 138.25 | 134.03166 |
| | | | | |

| ## 3549 | 139.39 | 137.98 | 133.76991 |
|--------------------|--------|--------|-----------|
| ## 3550 | 138.20 | 140.14 | 135.86401 |
| ## 3551 | 139.43 | 139.58 | 135.32109 |
| ## 3552 | 140.00 | 139.66 | 135.39865 |
| ## 3553 | 139.66 | 139.27 | 135.02054 |
| ## 3554 | 139.05 | 141.25 | 136.94014 |
| ## 3555 | 143.55 | 144.65 | 140.23637 |
| ## 3556 | 143.95 | 145.10 | 140.67267 |
| | 143.95 | | 140.07207 |
| | | 145.59 | |
| ## 3558 | 145.86 | 148.02 | 143.50357 |
| ## 3559 | 146.87 | 149.41 | 144.85117 |
| ## 3560 | 151.51 | 150.61 | 146.01453 |
| ## 3561 | 150.11 | 153.26 | 148.58368 |
| ## 3562 | 154.27 | 151.18 | 146.56714 |
| ## 3563 | 150.30 | 147.17 | 142.67950 |
| ## 3564 | 149.52 | 150.50 | 145.90788 |
| ## 3565 | 150.08 | 150.01 | 145.43283 |
| ## 3566 | 151.23 | 152.91 | 148.24437 |
| ## 3567 | 152.61 | 150.56 | 145.96606 |
| ## 3568 | 153.22 | 150.91 | 146.30537 |
| ## 3569 | 152.47 | 152.91 | 148.24437 |
| ## 3570 | 151.50 | 151.83 | 147.19731 |
| ## 3571 | 151.91 | 155.13 | 150.39662 |
| ## 3572 | 154.11 | 154.32 | 149.61134 |
| ## 3573 | 156.86 | 156.15 | 151.38550 |
| ## 3573 | 156.35 | 155.37 | 150.62929 |
| ## 3575 | 154.09 | 153.51 | 148.82603 |
| | | | 150.35785 |
| | 155.34 | 155.09 | |
| ## 3577 | 157.60 | 157.65 | 152.83974 |
| ## 3578 | 155.51 | 155.14 | 150.40630 |
| ## 3579 | 152.80 | 150.97 | 146.36356 |
| ## 3580 | 150.33 | 149.46 | 144.89963 |
| ## 3581 | 150.00 | 150.62 | 146.02422 |
| ## 3582 | 150.00 | 152.55 | 147.89534 |
| ## 3583 | 154.30 | 155.09 | 150.35785 |
| ## 3584 | 152.12 | 152.68 | 148.02138 |
| ## 3585 | 154.46 | 154.48 | 149.76645 |
| ## 3586 | 153.28 | 152.23 | 147.58510 |
| ## 3587 | 151.90 | 153.71 | 149.01994 |
| ## 3588 | 154.40 | 153.62 | 149.80986 |
| ## 3589 | 152.79 | 152.54 | 148.75664 |
| ## 3590 | 153.10 | 154.93 | 151.08736 |
| ## 3591 | 154.00 | 155.12 | 151.27266 |
| ## 3592 | 155.81 | 156.28 | 152.40389 |
| ## 3593 | 155.58 | 155.95 | 152.08206 |
| ## 3594 | 154.75 | 154.09 | 150.26820 |
| ## 3594 ## 3595 | 154.75 | 154.09 | 147.45964 |
| | 151.47 | | |
| ## 3596 ## 3507 | | 152.17 | 148.39581 |
| ## 3597 | 153.87 | 153.30 | 149.49779 |
| ## 3598 | 153.42 | 152.65 | 148.86391 |
| ## 3599 | 151.74 | 149.27 | 145.56775 |
| ## 3600 | 147.79 | 150.54 | 146.80624 |
| ## 3601 | 150.23 | 147.37 | 143.71487 |
| ## 3602 | 147.18 | 150.19 | 146.46493 |
| | | | |

| ## 3603 | 3 150.78 | 150.56 | 146.82576 |
|---------|----------|--------|-----------|
| ## 3604 | 150.50 | 151.25 | 147.49864 |
| ## 3605 | | 152.23 | 148.45433 |
| ## 3606 | | 155.19 | 151.34091 |
| ## 3607 | | 153.81 | 149.99515 |
| | | | 149.55631 |
| ## 3608 | | 153.36 | |
| ## 3609 | | 155.48 | 151.62372 |
| ## 3610 | | 157.52 | 153.61313 |
| ## 3611 | | 160.69 | 156.70450 |
| ## 3612 | | 161.24 | 157.24087 |
| ## 3613 | 3 161.50 | 161.22 | 157.22136 |
| ## 3614 | 161.08 | 158.54 | 154.60782 |
| ## 3615 | 159.61 | 157.45 | 153.54488 |
| ## 3616 | 158.18 | 161.50 | 157.49442 |
| ## 3617 | 7 162.39 | 164.01 | 159.94215 |
| ## 3618 | 3 163.37 | 164.67 | 160.58580 |
| ## 3619 | 164.68 | 162.35 | 158.32333 |
| ## 3620 | | 161.11 | 157.11408 |
| ## 3621 | | 160.83 | 156.84103 |
| ## 3622 | | 162.66 | 158.62564 |
| ## 3623 | | 163.54 | 159.48383 |
| | | 161.85 | |
| ## 3624 | | | 157.83574 |
| ## 3625 | | 161.83 | 157.81624 |
| ## 3626 | | 164.35 | 160.27374 |
| ## 3627 | | 164.24 | 160.16644 |
| ## 3628 | | 166.05 | 161.93158 |
| ## 3629 | 9 167.26 | 166.06 | 161.94132 |
| ## 3630 | 165.41 | 166.17 | 162.04858 |
| ## 3631 | 166.21 | 166.44 | 162.31190 |
| ## 3632 | 2 167.00 | 165.66 | 161.55124 |
| ## 3633 | 3 164.49 | 165.00 | 160.90761 |
| ## 3634 | 164.14 | 162.94 | 158.89870 |
| ## 3635 | 164.36 | 160.40 | 156.42168 |
| ## 3636 | | 160.29 | 156.31442 |
| ## 3637 | | 157.57 | 153.66191 |
| ## 3638 | | 155.18 | 151.33116 |
| ## 3639 | | 156.27 | 152.39415 |
| ## 3640 | | 151.76 | 147.99597 |
| ## 3641 | | 147.92 | 144.25122 |
| ## 3642 | | 150.43 | 146.69899 |
| | | | |
| ## 3643 | | 150.21 | 146.48444 |
| ## 3644 | | 151.12 | 147.37186 |
| ## 3645 | | 152.51 | 148.72740 |
| ## 3646 | | 154.05 | 150.22920 |
| ## 3647 | | 154.33 | 150.50224 |
| ## 3648 | | 154.14 | 150.31699 |
| ## 3649 | 153.75 | 155.54 | 151.68224 |
| ## 3650 | 156.26 | 157.08 | 153.18405 |
| ## 3651 | 155.95 | 156.03 | 153.03693 |
| ## 3652 | 155.78 | 153.41 | 150.46718 |
| ## 3653 | | 153.59 | 150.64372 |
| ## 3654 | | 150.94 | 148.04456 |
| ## 3655 | | 155.77 | 152.78191 |
| ## 3656 | | 158.00 | 154.96913 |
| 5550 | | | _31.00010 |

| ## | 3657 | 156.05 | 155.65 | 152.66420 |
|----|------|--------|--------|-----------|
| ## | 3658 | 155.95 | 155.12 | 152.14438 |
| ## | 3659 | 153.90 | 155.46 | 152.47788 |
| ## | 3660 | 155.96 | 151.91 | 148.99594 |
| ## | 3661 | 148.55 | 146.97 | 144.15071 |
| | | | 149.71 | |
| ## | 3662 | 146.52 | | 146.83817 |
| ## | 3663 | 152.05 | 152.86 | 149.92772 |
| ## | 3664 | 152.88 | 150.93 | 148.03474 |
| ## | 3665 | 151.48 | 150.64 | 147.75032 |
| ## | 3666 | 150.19 | 151.65 | 148.74094 |
| ## | 3667 | 150.40 | 151.45 | 148.54478 |
| ## | 3668 | 152.29 | 151.70 | 148.78998 |
| ## | 3669 | 153.14 | 153.00 | 150.06505 |
| ## | 3670 | 152.58 | 151.78 | 148.86845 |
| ## | 3671 | 152.03 | 151.17 | 148.27016 |
| ## | 3672 | 151.95 | 152.89 | 149.95717 |
| | | | | |
| ## | 3673 | 151.25 | 151.24 | 148.33881 |
| ## | 3674 | 152.28 | 153.15 | 150.21216 |
| ## | 3675 | 155.19 | 157.50 | 154.47873 |
| ## | 3676 | 157.52 | 157.33 | 154.31198 |
| ## | 3677 | 156.74 | 159.26 | 156.20496 |
| ## | 3678 | 160.00 | 161.16 | 158.06851 |
| ## | 3679 | 161.88 | 161.79 | 158.68643 |
| ## | 3680 | 161.79 | 159.98 | 156.91113 |
| ## | 3681 | 158.94 | 158.93 | 155.88129 |
| ## | 3682 | 157.57 | 157.01 | 153.99811 |
| ## | 3683 | 156.31 | 155.58 | 152.59555 |
| ## | 3684 | 153.16 | 154.28 | 151.32048 |
| ## | 3685 | 154.35 | 154.72 | 151.75205 |
| ## | 3686 | 155.33 | 156.70 | 153.69406 |
| | | | | |
| ## | 3687 | 157.00 | 157.67 | 154.64545 |
| ## | 3688 | 158.51 | 160.92 | 157.83311 |
| ## | 3689 | 162.26 | 161.75 | 158.64720 |
| ## | 3690 | 161.75 | 163.05 | 159.92226 |
| ## | 3691 | 163.21 | 160.44 | 157.36234 |
| ## | 3692 | 160.44 | 159.95 | 156.88173 |
| ## | 3693 | 160.22 | 159.72 | 156.65613 |
| ## | 3694 | 160.02 | 160.46 | 157.38194 |
| ## | 3695 | 160.39 | 159.49 | 156.43056 |
| ## | 3696 | 159.99 | 159.21 | 156.15593 |
| ## | 3697 | 158.89 | 158.50 | 155.45953 |
| ## | 3698 | 158.27 | 159.19 | 156.13631 |
| ## | 3699 | 160.56 | | 154.34142 |
| | 3700 | 158.53 | 157.36 | |
| ## | | | 159.86 | 156.79344 |
| ## | 3701 | 160.45 | 157.07 | 154.05698 |
| ## | 3702 | 156.72 | 158.16 | 155.12607 |
| ## | 3703 | 159.41 | 158.09 | 155.05739 |
| ## | 3704 | 157.38 | 157.68 | 154.65526 |
| ## | 3705 | 153.89 | 152.96 | 150.02582 |
| ## | 3706 | 153.53 | 152.98 | 150.04541 |
| ## | 3707 | 155.20 | 155.91 | 152.91922 |
| ## | 3708 | 158.00 | 161.18 | 158.08812 |
| ## | 3709 | 161.44 | 163.04 | 159.91244 |
| ## | 3710 | 165.00 | 166.98 | 163.77687 |
| | | | | |

| ## | 3711 | 167.70 | 166.08 | 162.89414 |
|----|--------------|------------------|------------------|------------------------|
| ## | 3712 | 166.21 | 165.95 | 162.76663 |
| ## | 3713 | 166.92 | 163.69 | 160.54999 |
| ## | 3714 | 164.00 | 167.13 | 163.92400 |
| ## | 3715 | 166.97 | 166.95 | 163.74744 |
| ## | 3716 | 167.21 | 168.66 | 166.42148 |
| ## | 3717 | 167.99 | 169.02 | 166.77670 |
| ## | 3718 | 171.20 | 170.09 | 167.83249 |
| ## | 3719 | 170.02 | 170.22 | 167.96075 |
| ## | 3720 | 170.80 | 166.64 | 164.42828 |
| ## | 3721 | 165.75 | 165.36 | 163.16527 |
| ## | 3722 | 164.07 | 161.00 | 158.86313 |
| ## | 3723 | 161.75 | 163.47 | 161.30035 |
| ## | 3724 | 165.35 | 166.61 | 164.39868 |
| ## | 3725 | 166.48 | 166.55 | 164.33948 |
| ## | 3726 | 167.40 | 168.57 | 166.33267 |
| ## | 3727 | 168.30 | 170.84 | 168.57253 |
| ## | 3728 | 170.76 | 169.50 | 167.25034 |
| ## | 3729 | 170.03 | 171.78 | 169.50006 |
| ## | 3730 | 172.71 | 170.94 | 168.67120 |
| ## | 3731 | 171.00 | 171.40 | 169.12509 |
| ## | 3732 | 170.32 | 167.83 | 165.60249 |
| ## | 3733 | 168.30 | 170.36 | 168.09891 |
| ## | 3734 | 171.18 | 169.89 | 167.63515 |
| ## | 3735 | 172.04 | 169.80 | 167.54634 |
| ## | 3736 | 169.80 | 170.47 | 168.20746 |
| ## | 3737 | 170.13 | 170.53 | 168.26665 |
| ## | 3738 | 170.00 | 168.29 | 166.05638 |
| ## | 3739 | 168.90 | 168.05 | 165.81958 |
| ## | 3740 | 169.05 | 169.06 | 166.81616 |
| ## | 3741 | 167.35 | 167.78 | 165.55315 |
| ## | 3742 | 167.45 | 167.62 | 165.39526 |
| ## | 3743 | 167.52 | 167.61 | 165.38541 |
| ## | 3744 | 167.65 | 166.86 | 164.64537 |
| ## | 3745 | 167.21 | 166.56 | 164.34933 |
| ## | 3746 | 167.06 | 165.36 | 163.16527 |
| ## | 3747 | 165.21 | 164.47 | 162.28708 |
| ## | 3748 | 164.39 | 163.05 | 160.88594 |
| ## | 3749 | 161.30 | 160.92 | 158.78420 |
| ## | 3750 | 164.16 | 164.35 | 162.16869 |
| ## | 3751 | 165.50 | 168.28 | 166.04651 |
| ## | 3752 | 168.46 | 166.96 | 164.74403 |
| ## | 3753 | 162.14 | 161.93 | 159.78079 |
| ## | 3754 | 163.31 | 161.23 | 159.09007 |
| ## | 3755 | 159.16 | 158.83 | 156.72194 |
| ## | 3756 | 161.00 | 157.89 | 155.79442 |
| ## | 3757 | 159.83 | 161.21 | 159.07036 |
| ## | 3758 | 161.50 | 158.29 | 156.18910 |
| ## | 3759 | 161.01 | 160.16 | 158.03429 |
| ## | 3760 | 161.88 | 162.57 | 160.41231 |
| ## | 3761 | 162.66 159.65 | 160.71 | 158.57700 |
| ## | 3762 3763 | 161.32 | 160.46 159.82 | 158.33032 |
| ## | 3763 3764 | 159.50 | 159.82 157.92 | 157.69881 155.82400 |
| ## | 3104 | 103.00 | 101.32 | 100.02400 |

| ## | 3765 | 157.45 | 159.13 | 157.01796 |
|----|------|--------|--------|-----------|
| ## | 3766 | 159.85 | 157.94 | 155.84375 |
| ## | 3767 | 160.39 | 160.41 | 158.28098 |
| ## | 3768 | 159.32 | 156.76 | 154.67941 |
| ## | 3769 | 154.51 | 153.94 | 151.89685 |
| ## | 3770 | 155.41 | 156.09 | 154.01831 |
| | | | | |
| ## | 3771 | 155.75 | 156.70 | 154.62021 |
| ## | 3772 | 157.61 | 157.26 | 155.17278 |
| ## | 3773 | 157.60 | 158.16 | 156.06084 |
| ## | 3774 | 158.20 | 158.64 | 156.53445 |
| ## | 3775 | 158.85 | 158.56 | 156.45552 |
| ## | 3776 | 159.11 | 158.48 | 156.37657 |
| ## | 3777 | 158.45 | 158.35 | 156.24832 |
| ## | 3778 | 159.86 | 161.70 | 159.55385 |
| ## | 3779 | 164.31 | 167.83 | 165.60249 |
| ## | 3780 | 167.82 | 163.78 | 162.57494 |
| ## | 3781 | 166.91 | 165.52 | 164.30214 |
| ## | 3782 | 165.67 | 167.16 | 165.93007 |
| ## | 3783 | 169.07 | 167.32 | 166.08890 |
| ## | 3784 | 168.26 | 167.49 | 166.25764 |
| ## | 3785 | 168.46 | 168.44 | 167.20065 |
| | 3786 | | | |
| ## | | 168.34 | 168.23 | 166.99219 |
| ## | 3787 | 160.76 | 157.89 | 156.72827 |
| ## | 3788 | 155.78 | 151.27 | 150.15698 |
| ## | 3789 | 151.57 | 148.93 | 147.83418 |
| ## | 3790 | 148.99 | 147.66 | 146.57355 |
| ## | 3791 | 147.50 | 145.08 | 144.01253 |
| ## | 3792 | 142.28 | 144.95 | 143.88348 |
| ## | 3793 | 143.65 | 146.53 | 145.45186 |
| ## | 3794 | 148.72 | 147.92 | 146.83164 |
| ## | 3795 | 149.42 | 145.31 | 144.24083 |
| ## | 3796 | 144.19 | 146.61 | 145.53126 |
| ## | 3797 | 145.64 | 148.60 | 147.50664 |
| ## | 3798 | 148.69 | 151.15 | 150.03786 |
| ## | 3799 | 150.50 | 149.94 | 148.83676 |
| ## | 3800 | 150.00 | 148.70 | 147.60588 |
| ## | 3801 | 149.10 | 152.56 | 151.43749 |
| ## | 3802 | 153.27 | 153.07 | 151.94374 |
| ## | 3803 | 155.27 | 155.95 | 154.80254 |
| | | | | |
| ## | 3804 | 156.59 | 156.60 | 155.44777 |
| ## | 3805 | 156.66 | 155.95 | 154.80254 |
| ## | 3806 | 155.61 | 153.92 | 152.78748 |
| ## | 3807 | 152.73 | 152.49 | 151.36801 |
| ## | 3808 | 154.51 | 154.72 | 153.58160 |
| ## | 3809 | 153.74 | 155.00 | 153.85954 |
| ## | 3810 | 153.00 | 151.43 | 150.31580 |
| ## | 3811 | 152.13 | 152.14 | 151.02058 |
| ## | 3812 | 150.60 | 151.87 | 150.75256 |
| ## | 3813 | 153.12 | 148.69 | 147.59596 |
| ## | 3814 | 142.94 | 144.55 | 143.48644 |
| ## | 3815 | 145.25 | 147.97 | 146.88126 |
| ## | 3816 | 143.55 | 141.80 | 140.75667 |
| ## | 3817 | 140.04 | 136.45 | 135.44601 |
| ## | 3818 | 137.29 | 139.28 | 138.25520 |
| 11 | 5515 | -020 | -00.20 | |

| ## | 3819 | 139.84 | 138.29 | 137.27248 |
|----|------|--------|--------|-----------|
| ## | 3820 | 134.94 | 134.40 | 133.41110 |
| ## | 3821 | 132.17 | 129.21 | 128.25931 |
| ## | 3822 | 129.64 | 128.30 | 127.35599 |
| ## | 3823 | 132.90 | 133.44 | 132.45818 |
| | | 131.86 | | |
| ## | 3824 | | 131.86 | 130.88980 |
| ## | 3825 | 132.49 | 128.89 | 127.94165 |
| ## | 3826 | 129.46 | 130.17 | 129.21223 |
| ## | 3827 | 131.80 | 132.48 | 131.50523 |
| ## | 3828 | 134.87 | 138.40 | 137.38167 |
| ## | 3829 | 136.86 | 140.15 | 139.11879 |
| ## | 3830 | 140.19 | 140.10 | 139.06917 |
| ## | 3831 | 140.35 | 139.65 | 138.62247 |
| ## | 3832 | 142.27 | 142.62 | 141.57062 |
| ## | 3833 | 140.98 | 139.78 | 138.75153 |
| ## | 3834 | 140.30 | 140.69 | 139.65483 |
| ## | 3835 | 141.09 | 141.92 | 140.87578 |
| | | | | |
| ## | 3836 | 140.00 | 140.87 | 139.83350 |
| ## | 3837 | 143.35 | 141.18 | 140.14122 |
| ## | 3838 | 141.90 | 140.54 | 139.50592 |
| ## | 3839 | 139.83 | 136.32 | 135.31699 |
| ## | 3840 | 137.40 | 135.31 | 134.31441 |
| ## | 3841 | 134.12 | 135.91 | 134.91000 |
| ## | 3842 | 134.07 | 133.34 | 133.34000 |
| ## | 3843 | 131.58 | 131.49 | 131.49000 |
| ## | 3844 | 130.95 | 131.09 | 131.09000 |
| ## | 3845 | 131.67 | 133.49 | 133.49000 |
| ## | 3846 | 133.00 | 133.00 | 133.00000 |
| ## | 3847 | 132.14 | 131.54 | 131.53999 |
| ## | 3848 | 126.94 | 127.30 | 127.30000 |
| ## | 3849 | 126.50 | 126.12 | 126.12000 |
| | | | | |
| ## | 3850 | 125.67 | 128.46 | 128.46001 |
| ## | 3851 | 128.45 | 131.12 | 131.11999 |
| ## | 3852 | 132.52 | 131.58 | 131.58000 |
| ## | 3853 | 132.22 | 130.56 | 130.56000 |
| ## | 3854 | 130.28 | 126.81 | 126.81000 |
| ## | 3855 | 126.01 | 126.77 | 126.77000 |
| ## | 3856 | 124.64 | 123.02 | 123.02000 |
| ## | 3857 | 122.33 | 121.42 | 121.42000 |
| ## | 3858 | 122.81 | 123.34 | 123.34000 |
| ## | 3859 | 123.05 | 119.36 | 119.36000 |
| ## | 3860 | 119.88 | 120.45 | 120.45000 |
| ## | 3861 | 121.53 | 123.03 | 123.03000 |
| ## | 3862 | 121.33 | 127.10 | 127.10000 |
| | | | | |
| ## | 3863 | 125.25 | 123.92 | 123.92000 |
| ## | 3864 | 123.80 | 123.72 | 123.72000 |
| ## | 3865 | 122.11 | 121.86 | 121.86000 |
| ## | 3866 | 123.11 | 118.89 | 118.89000 |
| ## | 3867 | 119.30 | 118.14 | 118.14000 |
| ## | 3868 | 117.00 | 118.04 | 118.04000 |
| ## | 3869 | 119.41 | 119.09 | 119.09000 |
| ## | 3870 | 118.54 | 118.26 | 118.26000 |
| ## | 3871 | 121.04 | 122.18 | 122.18000 |
| ## | 3872 | 121.30 | 120.09 | 120.09000 |
| | | | | |

```
118.31
## 3873 118.19
                           118.31000
## 3874 119.46 117.34 117.34000
## 3875 120.46 124.60
                           124.60000
## 3876 124.36 126.36
                           126.36000
                127.24
## 3877
                           127.24000
        126.28
## 3878
       128.37 129.44
                           129.44000
## 3879
        130.16
                  131.27
                           131.27000
## 3880
        130.18
                  132.23
                           132.23000
mean_Open = mean(subset[["JPM.Open"]])
print(mean_Open)
## [1] 72.50302
mean_Close = mean(subset[["JPM.Close"]])
print(mean_Close)
## [1] 72.49895
mean_Adjusted = mean(subset[["JPM.Adjusted"]])
print(mean_Adjusted)
```