

# Day 2 Lecture

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## 1 Day 2 Outline:

1. Functions
2. Tips on Writing Code
3. Loading and Saving Data
4. R Notations
5. Modifying Values

## 2 Functions

Function is a set of instructions that performs a specific task, typically taking input (known as arguments), processing these inputs, and returning an output. Arguments is a value that you pass to a function when you call it. The function then uses this value as input to perform its operations. Think of it like giving ingredients to a chef; the ingredients (arguments) are what the chef (function) needs to make a meal (perform a task or calculation). R comes with many functions that you can use to do sophisticated tasks like random sampling. For example, you can round a number with the **round()** function, or calculate its factorial with the **factorial()** function. Using a function is pretty simple: just write the name of the function and then the data you want the function to operate on in parentheses.

```
# The following two functions come with base R.  
# You do not need to install and load new packages to use them.  
round(3.1415)
```

```
## [1] 3
```

```
factorial(3)
```

```
## [1] 6
```

The data that you pass into the function is called the function's argument. The argument can be raw data, an R object, or even the results of another R function. In this last case, R will work **from the innermost function to the outermost**.

```
die <- 1:6  
die
```

```
## [1] 1 2 3 4 5 6
```

```
mean(1:6)
```

```
## [1] 3.5
```

```
mean(die)
```

```
## [1] 3.5
```

```

round(mean(die))

## [1] 4
ceiling(mean(die)) # rounds up

## [1] 4
floor(mean(die)) # rounds down

## [1] 3
ceiling(4.000001)

## [1] 5
floor(3.99999999)

## [1] 3
round(3.1415926535, numbers = 1)
# Error in round(3.1415, numbers = 3) : unused argument (numbers = 3)
?round
round(x = 3.1415926535, digits = 3)

```

## 2.1 Arguments

Often, the name of the first argument is not very descriptive, and it is usually obvious what the first piece of data refers to anyways.

But how do you know which argument names to use? If you try to use a name that a function does not expect, you will likely get an error.

If you are not sure which names to use with a function, you can look up the function's arguments with `args()`. To do this, simply plug in the name of the function into the parentheses. For example, you can see that the `round` function takes two arguments, one named `x` and one named `digits`:

```

args(round)

## function (x, digits = 0, ...)
## NULL
round(3.14, digits = 1)

## [1] 3.1
args(ceiling)

## function (x)
## NULL
args(floor)

## function (x)
## NULL

```

Did you notice that `args()` shows that the `digits` argument of `round` is already set to 0?

Frequently, an R function will take optional arguments like `digits`. These arguments are considered optional because they come with a **default value**. You can pass a new value to an optional argument if you want, and R will use the default value if you do not.

For example, `round()` will round your number to 0 digits past the decimal point by default. To override the default, you can always specify your own argument value. For example,

```
round(3.1415)
```

```
## [1] 3
```

```
round(3.1415, digits = 2)
```

```
## [1] 3.14
```

When you first start to learn R, it is recommended that you write out the **names of all your arguments** when you do a function call with multiple arguments. This not only helps you to learn the functions and their arguments better and faster, but also helps others to understand your code more easily. Moreover, you might not always remember correctly how the arguments should be ordered when first using these functions. Writing out the argument names helps **prevent errors**.

After using R for a while, you might notice that it is often for R users to skip the names for the first one or two arguments, and only write out the names for the rest of arguments.

If you do not write out the names of your arguments, R will match your values to the arguments in your function by order. You can learn about the correct order by **running the `args()` function, hovering over the function call, or using the help pages**.

As you provide more arguments, it becomes more likely that your order and R's order may **not align**. As a result, values may get passed to the wrong argument. Argument names prevent this. R will always match a value to its argument name, no matter where it appears in the order of arguments.

For example, if we reverse the order of arguments in the function call above, it is still equivalent.

```
round(digits = 2, x = 3.1415) # reversed order, specify argument name
```

```
## [1] 3.14
```

## 3 Tips on Writing Code

By default, RStudio will save your current workspace when you quit. While convenient, this can mean that you make one-off changes to your data and forget to save that command in your script. Starting with a fresh session every time you open RStudio means you'll learn to keep every step of your analysis in your script, and you'll know that you can get back to where you were by rerunning the script.

### 3.1 Coding Style

There are two very good reasons to try to write your code in a clear, understandable way:

- Other people might need to use your code to replicate your studies.
- You might need to use your code, a few weeks/months/years after you've written it.

It's possible to write R code that "works" perfectly, and produces all the results and output you want, but proves very difficult to make changes to when you have to come back to it (because a reviewer asked for one additional analysis, etc. which happens very often.)

#### 3.1.1 Formatting Tips

You can improve the readability of your code a lot by following a few simple rules:

- Put spaces between and around variable names and operators (`=+-\*/`)
- Break up long lines of code
- Use meaningful variable names composed of 2 or 3 words" (avoid abbreviations unless they're very common and you use them very consistently)

- Indentation (2 or 4 spaces)

These rules can mean the difference between this:

```
lm1=lm(y~grp+grpTime,mydf,subset=sext1== "m")
```

and this:

```
male_difference = lm(DepressionScore ~ Group + GroupTimeInteraction,
                     data = interview_data,
                     subset = BaselineSex == "Male")
```

R will treat both pieces of code exactly the same, but for any humans reading, the nicer layout and meaningful names make it much easier to understand what's happening, and spot any errors in syntax or intent.

### 3.1.2 Keep a Consistent Style

Try to follow a consistent style for naming things, e.g. using **\*\* snake\_case for all your variable names in your R code, and TitleCase \*\*** for the columns in your data. Either style is probably better than lowercase with no spacing allmashedtogether. **DO NOT** use **.** in names (**do.not.do.this**). It doesn't particularly matter what that style is, as long as you're consistent.

### 3.1.3 Write LOTS of Comments

As any other code, one of the best things you can do to make R code readable and understandable is write comments. R ignores lines that start with **#** so you can write whatever you want and it won't affect the way your code runs.

Comments that explain why something was done are great:

```
# reverse the score for question 3
data$DepressionQ3 = 4 - data$DepressionQ3
```

Comments that explain what is being done are also helpful. These comments might appear redundant for people who already understand R code, but can be super helpful for you to learn what is going on and for grading purposes as well.

```
# Calculate the mean of the anxiety scores
anxiety_mean = mean(data$AnxietyTotal)
```

You can also put comments that remind you to fix certain errors.

```
##### FIX HERE: This fails to converge #####
```

### 3.1.4 Google's R Style Guide

In QPM I, we would like you to follow the R Programming Style Guide by Google to make your R code easier to read, share, and verify. For more details, please check out this link: <https://google.github.io/styleguide/Rguide.html>

## 3.2 Organizing Your Files

Working directories are extremely useful for keeping your work organized. When you have hundreds of R files along with images and data, it is much easier to find things using directories instead of putting all the files in one folder. A directory is basically a folder that you have created to save all your work.

### 3.2.1 Get the working directory

"Each time you open R, it links itself to a directory on your computer, which R calls the working directory. This is where R will look for files when you attempt to load them, and it is where R will save files when you

save them. The location of your working directory will vary on different computers. You can find out which directory by running the `getwd()` function, which stands for “get the working directory”.

By default your working directory is set to be *the location of your current file*. For example, if you have created an R script as `~/Documents/Rcamp2026/test.R`, the working directory for the R script will be `~/Documents/Rcamp2026/`. Same for R markdown files.

```
getwd()
```

```
## [1] "/Users/chanhyuk/Dropbox/courses/RCamp2026/Day2/Lecture"
```

### 3.2.2 Change the working directory

You can place data files straight into the folder that is your working directory, or you can move your working directory to where your data files are. You can move your working directory to any folder on your computer with the function `setwd()`. Just give `setwd()` the file path to your new working directory. This may be from the root directory (starting with `/` on a Mac), it may include a double-dot (`..`) to move locally up a folder from the current directory, and it may include a path from the current directory. You can set the working directory to a folder dedicated to whichever project you are currently working on. That way you can keep all of my data, scripts, graphs, and reports in the same place. For example:

```
setwd("/Users/river/Documents/GitHub/RCamp2023/Day2/Lecture")
```

If the file path does not begin with your root directory, R will assume that it begins at your current working directory.

**CAUTION** When you are working on Rmarkdown, `setwd()` only **temporarily** changes working directory for *a code chunk*. If you want to set the working directory for the *whole R markdown document*, include or change `knitr::opts_knit$set(root.dir = '{PATH}')`. However, the best practice is just to create R script / R markdown file on the working directory and do not change it.

### 3.2.3 1.2.3 List files in the working directory

You can see what files are in your working directory with `list.files()`. If you see the file that you would like to open in your working directory, then you are ready to proceed. How you open files in your working directory will depend on which type of file you would like to open.

```
list.files()
```

```
## [1] "booleans.png"      "data"              "dataset.csv"       "Day2_Lec2022.pdf"
## [5] "Day2_Lec2022.Rmd"  "logicals.png"      "school_loc.csv"    "stuff.RData"
## [9] "stuff.RDS"
```

**tips** If you ever worked with UNIX terminal, this reminds you of `ls` command. R do have `ls()` command too, but that command will print out the list of variables.

### 3.2.4 Create a new directory

To create a directory in R, use the `dir.create(path)` method. The `dir.create()` method accepts a folder generated in the current working directory or specifies a path. Another way is to go to Session > Set Working Directory.

```
# This creates a new directory inside the current directory at path = /Users/river/Documents/GitHub/RCa
dir.create("./pset2")
```

## 3.3 In-class exercises 2.1:

1. Get your current working directory.

## 4 Loading and Saving Data

In Day 1's lecture, we covered how to build a dataframe by hand-typing all the values in each row and column. In this section, we will explore the built-in datasets provided by base R. More importantly, we will cover how to load data from sources like csv files or excel sheets, and how to save the new dataframe that you have made modifications to.

### 4.1 Built-in Datasets

R comes with many data sets preloaded in the datasets package, which comes with base R. These data sets are not very interesting, but they give you a chance to test code or make a point without having to load a data set from outside R. You can see a list of R's data sets as well as a short description of each by running:

```
help(package = "datasets")
```

To use a data set, just type its name. Each data set is already preserved as an R object. For example:

```
iris
```

```
##      Sepal.Length Sepal.Width Petal.Length Petal.Width  Species
## 1           5.1         3.5         1.4         0.2    setosa
## 2           4.9         3.0         1.4         0.2    setosa
## 3           4.7         3.2         1.3         0.2    setosa
## 4           4.6         3.1         1.5         0.2    setosa
## 5           5.0         3.6         1.4         0.2    setosa
## 6           5.4         3.9         1.7         0.4    setosa
## 7           4.6         3.4         1.4         0.3    setosa
## 8           5.0         3.4         1.5         0.2    setosa
## 9           4.4         2.9         1.4         0.2    setosa
...
mtcars
```

```
##           mpg  cyl  disp  hp drat   wt  qsec vs  am gear carb
## Mazda RX4      21.0   6 160.0 110 3.90 2.620 16.46 0   1    4    4
## Mazda RX4 Wag  21.0   6 160.0 110 3.90 2.875 17.02 0   1    4    4
## Datsun 710      22.8   4 108.0  93 3.85 2.320 18.61 1   1    4    1
## Hornet 4 Drive  21.4   6 258.0 110 3.08 3.215 19.44 1   0    3    1
## Hornet Sportabout 18.7   8 360.0 175 3.15 3.440 17.02 0   0    3    2
## Valiant         18.1   6 225.0 105 2.76 3.460 20.22 1   0    3    1
## Duster 360      14.3   8 360.0 245 3.21 3.570 15.84 0   0    3    4
## Merc 240D       24.4   4 146.7  62 3.69 3.190 20.00 1   0    4    2
## Merc 230        22.8   4 140.8  95 3.92 3.150 22.90 1   0    4    2
...

```

You can use `str()` function to view the structure of the data and `summary()` function to summarize the dataset. The function tells you the minimum, maximum and quartiles for each numeric column. If there are NAs in your dataframe, it also tells you how many NAs there are in each column.

```
str(iris)
```

```
## 'data.frame':   150 obs. of  5 variables:
## $ Sepal.Length: num  5.1 4.9 4.7 4.6 5 5.4 4.6 5 4.4 4.9 ...
## $ Sepal.Width : num  3.5 3 3.2 3.1 3.6 3.9 3.4 3.4 2.9 3.1 ...
## $ Petal.Length: num  1.4 1.4 1.3 1.5 1.4 1.7 1.4 1.5 1.4 1.5 ...
## $ Petal.Width : num  0.2 0.2 0.2 0.2 0.2 0.4 0.3 0.2 0.2 0.1 ...
## $ Species      : Factor w/ 3 levels "setosa","versicolor",...: 1 1 1 1 1 1 1 1 1 1 ...

```

```
summary(iris)
```

```
## Sepal.Length Sepal.Width Petal.Length Petal.Width
## Min. :4.300 Min. :2.000 Min. :1.000 Min. :0.100
## 1st Qu.:5.100 1st Qu.:2.800 1st Qu.:1.600 1st Qu.:0.300
## Median :5.800 Median :3.000 Median :4.350 Median :1.300
## Mean :5.843 Mean :3.057 Mean :3.758 Mean :1.199
## 3rd Qu.:6.400 3rd Qu.:3.300 3rd Qu.:5.100 3rd Qu.:1.800
## Max. :7.900 Max. :4.400 Max. :6.900 Max. :2.500
## Species
## setosa :50
## versicolor:50
## virginica :50
##
##
##
```

However, when doing your own research, you will need to load your own data into R from a wide variety of file formats. Before you can load any data files into R, you will need to tell R where your working directory is.

## 4.2 Loading Data from Sources

### 4.2.1 CSV Files

R provides several read functions for you to load data from files, which are shortcuts for `read.table` with different default arguments. The most commonly used one is `read.csv()`. You will probably use this function hundreds of times during our sequence of methods courses here at WashU. As suggested by its name, the function `read.csv` allows you to load in comma-separated-variable (CSV) files. For example:

```
school_loc <- read.csv("school_loc.csv")
# remove(school_loc)
```

### 4.2.2 HTML Links

Many data files are made available on the Internet at their own web address. If you are connected to the Internet, you can open these files straight into R with `read.csv()` (or other functions based on `read.table()`). You can pass a web address into the file name argument for any of R's data-reading functions. For example:

```
school_loc <- read.csv("https://data-nces.opendata.arcgis.com/datasets/a15e8731a17a46aabc452ea607f172c0")
# View(school_loc)
# https://www.data.gov/
```

Just make sure that the web address links directly to the file and not to a web page that links to the file. Usually, when you visit a data file's web address, the file will begin to download or the raw data will appear in your browser window.

### 4.2.3 Native R Data Formats

R provides two file formats of its own for storing data, `.RDS` and `.RData`. These are known to take up smaller spaces than csvs and faster to read and write. RDS files can store *a single R object*, and RData files can store *multiple R objects*.

You can open a RDS file with `readRDS`. For example, if the royal flush data was saved as `poker.RDS`, you could open it with:

```
school_loc <- readRDS("stuff.RDS")
```

Opening RData files is even easier. Simply run the function `load` with the file:

```
# be careful not to assign overlapping data name
# a <- 'text'
load("stuff.RData")
```

There's no need to assign the output to an object. The R objects in your RData file will be loaded into your R session *with their original names*. RData files can contain multiple R objects, so loading one may read in multiple objects. `load()` doesn't tell you how many objects it is reading in, nor what their names are, so it pays to know a little about the RData file before you load it.

If worse comes to worst, you can keep an eye on the environment pane in RStudio as you load an RData file. It displays all of the objects that you have created or loaded during your R session. Another useful trick is to put parentheses around your load command like so, `(load("file.RData"))`. This will cause R to print out the names of each object it loads from the file.

Both `readRDS()` and `load()` take a file path as their first argument, just like R's other read and write functions. If your file is in your working directory, the file path will be the file name.

## 4.3 Saving Data to Files

### 4.3.1 Native R Data Formats

You can save an R object like a data frame as either an RData file or an RDS file. RData files can store multiple R objects at once, but RDS files are the better choice because they foster reproducible code.

To save data as an RData object, use `save()` function. To save data as a RDS object, use `saveRDS()` function. In each case, the first argument should be the name of the R object you wish to save. You should then include a file argument that has the file name or file path you want to save the data set to. Remember to put file extensions!

For example, if you have three R objects, `a`, `b`, and `c`, you could save them all in the same RData file and then reload them in another R session:

```
a <- 1
b <- 2
c <- 3
save(a, b, c, file = "stuff.RData")
load("stuff.RData")
```

However, if you forget the names of your objects or give your file to someone else to use, it will be difficult to determine what was in the file—even after you (or they) load it. The user interface for RDS files is much more clear. You can save only one object per file, and whoever loads it can decide what they want to call their new data. As a bonus, you don't have to worry about load overwriting any R objects that happened to have the same name as the objects you are loading:

```
saveRDS(a, file = "stuff.RDS") # saving a to RDS file
d <- readRDS("stuff.RDS")
# readRDS("stuff.RDS")
```

Saving your data as an R file offers some advantages over saving your data as a plain-text file. R automatically compresses the file and will also save any R-related metadata associated with your object. This can be handy if your data contains factors, dates and times, or class attributes. You won't have to reparse this information into R the way you would if you converted everything to a text file.

On the other hand, R files cannot be read by many other programs, which makes them inefficient for sharing. They may also create a problem for long-term storage if you don't think you'll have a copy of R when you reopen the files.



### 4.3.2 CSV Files

You can also use `write.csv()` to save your data as a .csv file. The first argument is the R object that contains your data set. The file argument is the file name (including extension) that you wish to give the saved data. By default, the function will save your data into your working directory. However, you can supply a file path to the file argument. R will oblige by saving the file at the end of the file path. If the file path does not begin with your root directory, R will append it to the end of the file path that leads to your working directory.

For example, you can save the school location data frame to a subdirectory named data within your working directory with the command:

```
# write.csv(r_object, file = filepath, row.names = FALSE)
write.csv(school_loc, "./data/school_loc.csv", row.names = FALSE)
```

Keep in mind that `write.csv()` cannot create new directories on your computer. Each folder in the file path must exist before you try to save a file with it.

The `row.names()` argument prevents R from saving the data frame's row names as a column in the plain-text file. You might have noticed that R automatically names each row in a data frame with a number.

### 4.4 In-class exercises 2.2:

1. Load the world total fertility rate dataset from dataset.csv. Name the dataframe TFR.
2. Create a new directory named data.
3. Save the dataframe as "newdata.csv" into the new directory that you just created.

## 5 Data Wrangling Part 1

In Day 1's lecture, we covered how to create a vector, a list, and most importantly a data frame. Now we need to know how to manipulate the individual values inside your data frame. You can select values within an R object with R's notation system.

### 5.1 Selecting Values

R has a notation system that lets you extract values from R objects. To extract a value or set of values from a data frame, write the data frame's name followed by a pair of hard brackets:

Between the brackets will go two indices separated by a comma. The indices tell R which values to return. R will use the first index to subset the rows of the data frame and the second index to subset the columns.

```
# View(school_loc)
school_loc[ , ]

# str(school_loc)
# summary(school_loc)

# First few rows
head(school_loc)

# Last few rows
tail(school_loc)

# typeof(school_loc)
# class(school_loc)
```

You have a choice when it comes to writing indices. There are six different ways to write an index for R, and each does something slightly different. They are all very simple and quite handy, so let's take a look at each of them. You can create indices with: \* Positive integers \* Negative integers \* Zero \* Blank spaces \* Logical values \* Names

The simplest and most commonly used of these is positive integers.

### 5.1.1 Positive integers

R treats positive integers just like the `ij` notation used in linear algebra: `school_loc[i,j]` will return the value of dataframe that is in the `i`th row and the `j`th column. Notice that `i` and `j` only need to be integers in the mathematical sense.

```
head(school_loc)
```

```
##           X           Y OBJECTID UNITID                                NAME
## 1 -86.56850 34.78337         1 100654      Alabama A & M University
## 2 -86.79935 33.50570         2 100663 University of Alabama at Birmingham
## 3 -86.17401 32.36261         3 100690      Amridge University
## 4 -86.64045 34.72456         4 100706 University of Alabama in Huntsville
## 5 -86.29568 32.36432         5 100724      Alabama State University
## 6 -87.52959 33.20702         6 100733 University of Alabama System Office
##           STREET           CITY STATE      ZIP STFIP  CNTY
## 1           4900 Meridian Street      Normal    AL    35762    01 01089
## 2 Administration Bldg Suite 1070 Birmingham    AL 35294-0110    01 01073
## 3           1200 Taylor Rd Montgomery    AL 36117-3553    01 01101
## 4           301 Sparkman Dr Huntsville    AL    35899    01 01089
## 5           915 S Jackson Street Montgomery    AL 36104-0271    01 01101
## 6           500 University Blvd. East Tuscaloosa    AL    35401    01 01125
##           NMCNTY LOCALE          LAT      LON  CBSA              NMCBSA
## 1      Madison County      12 34.78337 -86.56850 26620      Huntsville, AL
## 2      Jefferson County      12 33.50570 -86.79935 13820 Birmingham-Hoover, AL
## 3      Montgomery County      12 32.36261 -86.17401 33860      Montgomery, AL
## 4      Madison County      12 34.72456 -86.64045 26620      Huntsville, AL
## 5      Montgomery County      12 32.36432 -86.29568 33860      Montgomery, AL
## 6      Tuscaloosa County      12 33.20701 -87.52959 46220      Tuscaloosa, AL
##           CBSATYPE CSA              NMCSA NECTA NMNECTA  CD  SLDL
## 1           1 290      Huntsville-Decatur, AL    N    N 0105 01019
## 2           1 142      Birmingham-Hoover-Talladega, AL    N    N 0107 01055
## 3           1 388 Montgomery-Selma-Alexander City, AL    N    N 0102 01074
## 4           1 290      Huntsville-Decatur, AL    N    N 0105 01006
## 5           1 388 Montgomery-Selma-Alexander City, AL    N    N 0107 01077
## 6           1  N              N    N    N 0107 01063
##           SLDU SCHOOLYEAR
## 1 01007 2020-2021
## 2 01018 2020-2021
## 3 01025 2020-2021
## 4 01002 2020-2021
## 5 01026 2020-2021
## 6 01021 2020-2021
```

```
# Extract value at the 1st row and the 2nd column
school_loc[1,2]
```

```
## [1] 34.78337
```

Notice that the row and column indices for R starts at 1, instead of 0 in some other programming languages.

This is a more intuitive way of indexing things, but can be confusing if you go back and forth.

To extract more than one value, use *a vector* of positive integers. For example, you can return the first three elements in the first row with:

```
school_loc[1, c(1,2,3)]
```

```
##           X           Y OBJECTID
## 1 -86.5685 34.78337          1
```

R will return the values of `school_loc` that are in both the first row and the first, second, and third columns. Note that R won't actually remove these values from the dataframe. R will give you a new set of values which are copies of the original values. You can then save this new set to an R object with R's assignment operator:

```
newdf <- school_loc[1, c(1,2,3)]
# newdf = school_loc[1, c(1,2,3)] # You can do this, but avoid.
newdf
```

```
##           X           Y OBJECTID
## 1 -86.5685 34.78337          1
```

If you repeat a number in your index, R will return the corresponding value(s) more than once in your "subset." This code will return the first row of `school_loc` twice:

```
school_loc[c(1,1), c(1,2,3)]
```

```
##           X           Y      Y.1 OBJECTID
## 1  -86.5685 34.78337 34.78337          1
## 1.1 -86.5685 34.78337 34.78337          1
```

R's notation system is not limited to data frames. "You can use the same syntax to select values in any R object," as long as you supply one index for each dimension of the object. So, for example, you can subset a vector (which has one dimension) with a single index:

```
vec <- c(2,4,6,8,10)
print(vec[1:3])
```

```
## [1] 2 4 6
```

If you select two or more columns from a data frame, R will return a new data frame:

```
school_loc[1:2,1:2]
```

```
##           X           Y
## 1 -86.56850 34.78337
## 2 -86.79935 33.50570
```

However, if you select a single column, R will return a vector:

```
school_loc[1:2, 1]
```

```
## [1] -86.56850 -86.79935
```

If you would prefer a data frame instead, you can add the optional argument `drop = FALSE` between the brackets. This method also works for selecting a single column from a matrix or an array.

```
school_loc[1:2, 1, drop = FALSE]
```

```
##           X
## 1 -86.56850
## 2 -86.79935
```

```
# school_loc[1:2, 1, drop = T]
```

### 5.1.2 Negative integers

Negative integers do the exact opposite of positive integers when indexing. R will return every element *except the elements in a negative index*. For example, `school_loc[-1, 1:3]` will return everything but the first row. `school_loc[-(2:52), 1:3]` will return the first row (and exclude everything else):

```
school_loc[-1, 1:3]
school_loc[-(2:52), 1:3]
school_loc[c(-1,-3), 1, drop=F]
```

Negative integers are a more efficient way to subset than positive integers if you want to include the majority of a data frame's rows or columns.

R will return an error if you try to pair a negative integer with a positive integer in the same index:

```
school_loc[c(-1, 1), 1]
# Error in xj[i] : only 0's may be mixed with negative subscripts
```

However, you can use both negative and positive integers to subset an object if you use them in different indexes (e.g., if you use one in the rows index and one in the columns index, like `school_loc[-1, 1]`).

```
school_loc[-1, 1, drop=F]
```

### 5.1.3 Zero

What would happen if you used zero as an index? Zero is neither a positive integer nor a negative integer, but R will still use it to do a type of subsetting. R will return nothing from a dimension when you use zero as an index. This “creates an empty object”:

```
# data frame with 0 columns and 0 rows
x <- school_loc[0, 0, drop = F]
dim(x) # 0 0

## [1] 0 0

# creating same class, attributes, structure of objects
# class(school_loc)
# class(x)
# attributes(school_loc)
# attributes(x)
```

To be honest, indexing with zero is not very helpful and you will rarely need it.

### 5.1.4 Blank spaces

You can use a blank space to tell R to extract every value in a dimension. This lets you subset an object on one dimension but not the others, which is useful for extracting entire rows or columns from a data frame:

```
# This extracts the first row
school_loc[1, ]
# This extracts the first column
school_loc[, 1, drop=F]
```

### 5.1.5 Logical values

If you supply a vector of **TRUE**s and **FALSE**s as your index, R will match each **TRUE** and **FALSE** to a row in your data frame (or a column depending on where you place the index). R will then return each row that

corresponds to a TRUE.

It may help to imagine R reading through the data frame and asking, “Should I return the `_i_`th row of the data structure?” and then consulting the `_i_`th value of the index for its answer. For this system to work, your vector must be as long as the dimension you are trying to subset:

```
dim(school_loc) # [1] 7012 26
```

```
## [1] 7012 26
```

```
# You can use the multiplication symbol here as a shortcut to the FALSEs.
```

```
num_cols <- ncol(school_loc) # 26
```

```
head(school_loc)
```

```
##           X           Y OBJECTID UNITID                                NAME
## 1 -86.56850 34.78337         1 100654          Alabama A & M University
## 2 -86.79935 33.50570         2 100663 University of Alabama at Birmingham
## 3 -86.17401 32.36261         3 100690              Amridge University
## 4 -86.64045 34.72456         4 100706 University of Alabama in Huntsville
## 5 -86.29568 32.36432         5 100724          Alabama State University
## 6 -87.52959 33.20702         6 100733 University of Alabama System Office
##           STREET           CITY STATE           ZIP STFIP  CNTY
## 1           4900 Meridian Street      Normal    AL      35762    01 01089
## 2 Administration Bldg Suite 1070 Birmingham    AL 35294-0110    01 01073
## 3           1200 Taylor Rd Montgomery    AL 36117-3553    01 01101
## 4           301 Sparkman Dr Huntsville    AL      35899    01 01089
## 5           915 S Jackson Street Montgomery    AL 36104-0271    01 01101
## 6      500 University Blvd. East Tuscaloosa    AL      35401    01 01125
##           NMCNTY LOCALE           LAT           LON  CBSA           NMCBSA
## 1      Madison County         12 34.78337 -86.56850 26620      Huntsville, AL
## 2      Jefferson County        12 33.50570 -86.79935 13820 Birmingham-Hoover, AL
## 3      Montgomery County       12 32.36261 -86.17401 33860      Montgomery, AL
## 4      Madison County         12 34.72456 -86.64045 26620      Huntsville, AL
## 5      Montgomery County       12 32.36432 -86.29568 33860      Montgomery, AL
## 6      Tuscaloosa County       12 33.20701 -87.52959 46220      Tuscaloosa, AL
##           CBSATYPE CSA           NMCSA NECTA NMNECTA    CD  SLDL
## 1           1 290              Huntsville-Decatur, AL    N    N 0105 01019
## 2           1 142      Birmingham-Hoover-Talladega, AL    N    N 0107 01055
## 3           1 388 Montgomery-Selma-Alexander City, AL    N    N 0102 01074
## 4           1 290              Huntsville-Decatur, AL    N    N 0105 01006
## 5           1 388 Montgomery-Selma-Alexander City, AL    N    N 0107 01077
## 6           1  N                      N    N    N 0107 01063
##           SLDU SCHOOLYEAR
## 1 01007 2020-2021
## 2 01018 2020-2021
## 3 01025 2020-2021
## 4 01002 2020-2021
## 5 01026 2020-2021
## 6 01021 2020-2021
```

```
school_loc[1, c(TRUE, FALSE, TRUE, rep(FALSE, 23))]
```

```
##           X OBJECTID
## 1 -86.5685         1
```

```
# View(school_loc)
```

This system may seem odd—who wants to type so many TRUEs and FALSEs? But it will become very powerful in the next section on modifying values.

### 5.1.6 Names

Finally, you can ask for the elements you want by name—if your object has names. This is a common way to extract the columns of a data frame, since columns almost always have names:

```
# If you do not remember the exact names of each column,
# you can first use the function colnames() to list all the column names.
colnames(school_loc)
```

```
## [1] "X"          "Y"          "OBJECTID"   "UNITID"    "NAME"
## [6] "STREET"     "CITY"       "STATE"      "ZIP"       "STFIP"
## [11] "CNTY"       "NMCNTY"    "LOCALE"     "LAT"       "LON"
## [16] "CBSA"       "NMCBSA"    "CBSATYPE"   "CSA"       "NMCSA"
## [21] "NECTA"      "NMNECTA"   "CD"         "SLDL"      "SLDU"
## [26] "SCHOOLYEAR"
```

```
school_loc[1:10, c("X", "Y", "NAME", "SCHOOLYEAR")]
```

	X	Y	NAME	SCHOOLYEAR
## 1	-86.56850	34.78337	Alabama A & M University	2020-2021
## 2	-86.79935	33.50570	University of Alabama at Birmingham	2020-2021
## 3	-86.17401	32.36261	Amridge University	2020-2021
## 4	-86.64045	34.72456	University of Alabama in Huntsville	2020-2021
## 5	-86.29568	32.36432	Alabama State University	2020-2021
## 6	-87.52959	33.20702	University of Alabama System Office	2020-2021
## 7	-87.54598	33.21188	The University of Alabama	2020-2021
## 8	-85.94527	32.92478	Central Alabama Community College	2020-2021
## 9	-86.96470	34.80679	Athens State University	2020-2021
## 10	-86.17754	32.36736	Auburn University at Montgomery	2020-2021

## 5.2 In-class exercises 2.3:

Now that you know the basics of R's notation system, let's put it to use.

1. Extract all values from the first ten rows from `school_loc`
2. Extract the 100th row from `school_loc`
3. Extract the 200th to 300th rows from `school_loc`, but only from the following columns: `NAME`, `STREET`, `CITY`, `STATE`, `ZIP`.

```
school_loc[1:10,]
```

	X	Y	OBJECTID	UNITID	NAME
## 1	-86.56850	34.78337	1	100654	Alabama A & M University
## 2	-86.79935	33.50570	2	100663	University of Alabama at Birmingham
## 3	-86.17401	32.36261	3	100690	Amridge University
## 4	-86.64045	34.72456	4	100706	University of Alabama in Huntsville
## 5	-86.29568	32.36432	5	100724	Alabama State University
## 6	-87.52959	33.20702	6	100733	University of Alabama System Office
## 7	-87.54598	33.21188	7	100751	The University of Alabama
## 8	-85.94527	32.92478	8	100760	Central Alabama Community College
## 9	-86.96470	34.80679	9	100812	Athens State University
## 10	-86.17754	32.36736	10	100830	Auburn University at Montgomery

##	STREET	CITY	STATE	ZIP	STFIP	CNTY
## 1	4900 Meridian Street	Normal	AL	35762	01	01089
## 2	Administration Bldg Suite 1070	Birmingham	AL	35294-0110	01	01073
## 3	1200 Taylor Rd	Montgomery	AL	36117-3553	01	01101
## 4	301 Sparkman Dr	Huntsville	AL	35899	01	01089
## 5	915 S Jackson Street	Montgomery	AL	36104-0271	01	01101
## 6	500 University Blvd. East	Tuscaloosa	AL	35401	01	01125
## 7	739 University Blvd	Tuscaloosa	AL	35487-0100	01	01125
## 8	1675 Cherokee Rd	Alexander City	AL	35010	01	01123
## 9	300 N Beaty St	Athens	AL	35611	01	01083
## 10	7440 East Drive	Montgomery	AL	36117-3596	01	01101

  

##	NMCNTY	LOCALE	LAT	LON	CBSA	NMCBSA
## 1	Madison County	12	34.78337	-86.56850	26620	Huntsville, AL
## 2	Jefferson County	12	33.50570	-86.79935	13820	Birmingham-Hoover, AL
## 3	Montgomery County	12	32.36261	-86.17401	33860	Montgomery, AL
## 4	Madison County	12	34.72456	-86.64045	26620	Huntsville, AL
## 5	Montgomery County	12	32.36432	-86.29568	33860	Montgomery, AL
## 6	Tuscaloosa County	12	33.20701	-87.52959	46220	Tuscaloosa, AL
## 7	Tuscaloosa County	12	33.21187	-87.54598	46220	Tuscaloosa, AL
## 8	Tallapoosa County	32	32.92478	-85.94527	10760	Alexander City, AL
## 9	Limestone County	31	34.80679	-86.96470	26620	Huntsville, AL
## 10	Montgomery County	12	32.36736	-86.17754	33860	Montgomery, AL

  

##	CBSATYPE	CSA	NMCSA	NECTA	NMNECTA	CD	SLDL
## 1	1	290	Huntsville-Decatur, AL	N	N	0105	01019
## 2	1	142	Birmingham-Hoover-Talladega, AL	N	N	0107	01055
## 3	1	388	Montgomery-Selma-Alexander City, AL	N	N	0102	01074
## 4	1	290	Huntsville-Decatur, AL	N	N	0105	01006
## 5	1	388	Montgomery-Selma-Alexander City, AL	N	N	0107	01077
## 6	1	N	N	N	N	0107	01063
## 7	1	N	N	N	N	0107	01063
## 8	2	388	Montgomery-Selma-Alexander City, AL	N	N	0103	01081
## 9	1	290	Huntsville-Decatur, AL	N	N	0105	01005
## 10	1	388	Montgomery-Selma-Alexander City, AL	N	N	0102	01074

  

##	SLDU	SCHOOLYEAR
## 1	01007	2020-2021
## 2	01018	2020-2021
## 3	01025	2020-2021
## 4	01002	2020-2021
## 5	01026	2020-2021
## 6	01021	2020-2021
## 7	01021	2020-2021
## 8	01027	2020-2021
## 9	01001	2020-2021
## 10	01025	2020-2021

school\_loc[c(1:10),]

##	X	Y	OBJECTID	UNITID	NAME
## 1	-86.56850	34.78337	1	100654	Alabama A & M University
## 2	-86.79935	33.50570	2	100663	University of Alabama at Birmingham
## 3	-86.17401	32.36261	3	100690	Amridge University
## 4	-86.64045	34.72456	4	100706	University of Alabama in Huntsville
## 5	-86.29568	32.36432	5	100724	Alabama State University
## 6	-87.52959	33.20702	6	100733	University of Alabama System Office
## 7	-87.54598	33.21188	7	100751	The University of Alabama

```

## 8 -85.94527 32.92478      8 100760 Central Alabama Community College
## 9 -86.96470 34.80679      9 100812      Athens State University
## 10 -86.17754 32.36736     10 100830 Auburn University at Montgomery
##          STREET          CITY STATE      ZIP STFIP  CNTY
## 1          4900 Meridian Street      Normal    AL      35762    01 01089
## 2 Administration Bldg Suite 1070      Birmingham AL 35294-0110    01 01073
## 3          1200 Taylor Rd      Montgomery    AL 36117-3553    01 01101
## 4          301 Sparkman Dr      Huntsville    AL      35899    01 01089
## 5          915 S Jackson Street      Montgomery    AL 36104-0271    01 01101
## 6          500 University Blvd. East Tuscaloosa    AL      35401    01 01125
## 7          739 University Blvd      Tuscaloosa    AL 35487-0100    01 01125
## 8          1675 Cherokee Rd Alexander City    AL      35010    01 01123
## 9          300 N Beaty St      Athens      AL      35611    01 01083
## 10          7440 East Drive      Montgomery    AL 36117-3596    01 01101
##          NMCNTY LOCALE      LAT      LON  CBSA          NMCBSA
## 1 Madison County      12 34.78337 -86.56850 26620      Huntsville, AL
## 2 Jefferson County      12 33.50570 -86.79935 13820 Birmingham-Hoover, AL
## 3 Montgomery County      12 32.36261 -86.17401 33860      Montgomery, AL
## 4 Madison County      12 34.72456 -86.64045 26620      Huntsville, AL
## 5 Montgomery County      12 32.36432 -86.29568 33860      Montgomery, AL
## 6 Tuscaloosa County      12 33.20701 -87.52959 46220      Tuscaloosa, AL
## 7 Tuscaloosa County      12 33.21187 -87.54598 46220      Tuscaloosa, AL
## 8 Tallapoosa County      32 32.92478 -85.94527 10760      Alexander City, AL
## 9 Limestone County      31 34.80679 -86.96470 26620      Huntsville, AL
## 10 Montgomery County      12 32.36736 -86.17754 33860      Montgomery, AL
##          CBSATYPE CSA          NMCSA NECTA NMNECTA  CD  SLDL
## 1          1 290      Huntsville-Decatur, AL      N      N 0105 01019
## 2          1 142      Birmingham-Hoover-Talladega, AL      N      N 0107 01055
## 3          1 388 Montgomery-Selma-Alexander City, AL      N      N 0102 01074
## 4          1 290      Huntsville-Decatur, AL      N      N 0105 01006
## 5          1 388 Montgomery-Selma-Alexander City, AL      N      N 0107 01077
## 6          1  N          N      N      N 0107 01063
## 7          1  N          N      N      N 0107 01063
## 8          2 388 Montgomery-Selma-Alexander City, AL      N      N 0103 01081
## 9          1 290      Huntsville-Decatur, AL      N      N 0105 01005
## 10         1 388 Montgomery-Selma-Alexander City, AL      N      N 0102 01074
##          SLDU SCHOOLYEAR
## 1 01007 2020-2021
## 2 01018 2020-2021
## 3 01025 2020-2021
## 4 01002 2020-2021
## 5 01026 2020-2021
## 6 01021 2020-2021
## 7 01021 2020-2021
## 8 01027 2020-2021
## 9 01001 2020-2021
## 10 01025 2020-2021

```

### 5.3 Dollar Signs and Double Brackets

Two types of object in R obey an optional second system of notation. You can extract values from data frames and lists with the \$ syntax. You will encounter the \$ syntax again and again as an R programmer, so let's examine how it works.

To select a column from a data frame, write the data frame's name and the column name separated by a \$.



Notice that no quotes should go around the column name:

```
# For illustration purpose, I will just use a subset of the original school location dataset.
sub_school_loc <- school_loc[1:10,]
sub_school_loc
```

##	X	Y	OBJECTID	UNITID	NAME
## 1	-86.56850	34.78337	1	100654	Alabama A & M University
## 2	-86.79935	33.50570	2	100663	University of Alabama at Birmingham
## 3	-86.17401	32.36261	3	100690	Amridge University
## 4	-86.64045	34.72456	4	100706	University of Alabama in Huntsville
## 5	-86.29568	32.36432	5	100724	Alabama State University
## 6	-87.52959	33.20702	6	100733	University of Alabama System Office
## 7	-87.54598	33.21188	7	100751	The University of Alabama
## 8	-85.94527	32.92478	8	100760	Central Alabama Community College
## 9	-86.96470	34.80679	9	100812	Athens State University
## 10	-86.17754	32.36736	10	100830	Auburn University at Montgomery

  

##	STREET	CITY	STATE	ZIP	STFIP	CNTY
## 1	4900 Meridian Street	Normal	AL	35762	01	01089
## 2	Administration Bldg Suite 1070	Birmingham	AL	35294-0110	01	01073
## 3	1200 Taylor Rd	Montgomery	AL	36117-3553	01	01101
## 4	301 Sparkman Dr	Huntsville	AL	35899	01	01089
## 5	915 S Jackson Street	Montgomery	AL	36104-0271	01	01101
## 6	500 University Blvd. East	Tuscaloosa	AL	35401	01	01125
## 7	739 University Blvd	Tuscaloosa	AL	35487-0100	01	01125
## 8	1675 Cherokee Rd	Alexander City	AL	35010	01	01123
## 9	300 N Beaty St	Athens	AL	35611	01	01083
## 10	7440 East Drive	Montgomery	AL	36117-3596	01	01101

  

##	NMCNTY	LOCALE	LAT	LON	CBSA	NMCBSA
## 1	Madison County	12	34.78337	-86.56850	26620	Huntsville, AL
## 2	Jefferson County	12	33.50570	-86.79935	13820	Birmingham-Hoover, AL
## 3	Montgomery County	12	32.36261	-86.17401	33860	Montgomery, AL
## 4	Madison County	12	34.72456	-86.64045	26620	Huntsville, AL
## 5	Montgomery County	12	32.36432	-86.29568	33860	Montgomery, AL
## 6	Tuscaloosa County	12	33.20701	-87.52959	46220	Tuscaloosa, AL
## 7	Tuscaloosa County	12	33.21187	-87.54598	46220	Tuscaloosa, AL
## 8	Tallapoosa County	32	32.92478	-85.94527	10760	Alexander City, AL
## 9	Limestone County	31	34.80679	-86.96470	26620	Huntsville, AL
## 10	Montgomery County	12	32.36736	-86.17754	33860	Montgomery, AL

  

##	CBSATYPE	CSA	NMCSA	NECTA	NMNECTA	CD	SLDL
## 1	1	290	Huntsville-Decatur, AL	N	N	0105	01019
## 2	1	142	Birmingham-Hoover-Talladega, AL	N	N	0107	01055
## 3	1	388	Montgomery-Selma-Alexander City, AL	N	N	0102	01074
## 4	1	290	Huntsville-Decatur, AL	N	N	0105	01006
## 5	1	388	Montgomery-Selma-Alexander City, AL	N	N	0107	01077
## 6	1	N	N	N	N	0107	01063
## 7	1	N	N	N	N	0107	01063
## 8	2	388	Montgomery-Selma-Alexander City, AL	N	N	0103	01081
## 9	1	290	Huntsville-Decatur, AL	N	N	0105	01005
## 10	1	388	Montgomery-Selma-Alexander City, AL	N	N	0102	01074

  

##	SLDU	SCHOOLYEAR
## 1	01007	2020-2021
## 2	01018	2020-2021
## 3	01025	2020-2021
## 4	01002	2020-2021

```
## 5 01026 2020-2021
## 6 01021 2020-2021
## 7 01021 2020-2021
## 8 01027 2020-2021
## 9 01001 2020-2021
## 10 01025 2020-2021
```

```
sub_school_loc$NAME
```

```
## [1] "Alabama A & M University"      "University of Alabama at Birmingham"
## [3] "Amridge University"            "University of Alabama in Huntsville"
## [5] "Alabama State University"       "University of Alabama System Office"
## [7] "The University of Alabama"      "Central Alabama Community College"
## [9] "Athens State University"        "Auburn University at Montgomery"
```

R will return all of the values in the column as a vector. This \$ notation is incredibly useful because you will often store the variables of your data sets as columns in a data frame. From time to time, you'll want to run a function like mean or median on the values in a variable. In R, these functions expect a vector of values as input:

```
mean(school_loc$X)
```

```
## [1] -90.35801
```

```
median(school_loc$Y)
```

```
## [1] 38.54617
```

```
max(school_loc$Y)
```

```
## [1] 71.3247
```

You can use the same \$ notation with the elements of a list, if they have names. This notation has an advantage with lists, too. If you subset a list in the usual way, R will return a new list that has the elements you requested. This is true even if you only request a single element. For example:

```
l <- list(numbers = c(1, 2), logical = TRUE, strings = c("a", "b", "c"))
l
```

```
## $numbers
## [1] 1 2
##
## $logical
## [1] TRUE
##
## $strings
## [1] "a" "b" "c"
```

```
# And then subset it:
l[[1]] # access by index
```

```
## [1] 1 2
```

```
l$numbers
```

```
## [1] 1 2
```

```
l[1]
```

```
## $numbers
## [1] 1 2
```

```
# typeof(l[1]) # list
# typeof(l$numbers) # double
```

The result is a smaller list with one element. That element is the vector `c(1, 2)`. This can be annoying because many R functions do not work with lists. For example, `sum(l[1])` will return an error. It would be horrible if once you stored a vector in a list, you could only ever get it back as a list:

```
sum(l[1])
# Error in sum(l[1]) : invalid 'type' (list) of argument
```

When you use the `$` notation, R will return the selected values as they are, with no list structure around them:

```
l$numbers
```

```
## [1] 1 2
```

```
l[1]
```

```
## $numbers
```

```
## [1] 1 2
```

```
l$strings
```

```
## [1] "a" "b" "c"
```

You can then immediately feed the results to a function:

```
sum(l$numbers)
```

```
## [1] 3
```

If the elements in your list do not have names (or you do not wish to use the names), you can use two brackets, instead of one, to subset the list. This notation will do the same thing as the `$` notation:

```
sum(l[[1]])
```

```
## [1] 3
```

In other words, if you subset a list with single-bracket notation, R will return a smaller list. If you subset a list with double-bracket notation, R will return just the values that were inside an element of the list. You can combine this feature with any of R's indexing methods:

```
l
```

```
## $numbers
```

```
## [1] 1 2
```

```
##
```

```
## $logical
```

```
## [1] TRUE
```

```
##
```

```
## $strings
```

```
## [1] "a" "b" "c"
```

```
l["numbers"]
```

```
## $numbers
```

```
## [1] 1 2
```

```
typeof(l["numbers"])
```

```
## [1] "list"
```

```
l[["numbers"]]

## [1] 1 2

typeof(l[["numbers"]])

## [1] "double"

sum(l[["numbers"]])

## [1] 3
```

This difference is subtle but important. In the R community, there is a popular, and helpful, way to think about it. Imagine that each list is a train and each element is a train car. When you use single brackets, R selects individual train cars and returns them as a new train. Each car keeps its contents, but those contents are still inside a train car (i.e., a list). When you use double brackets, R actually unloads the car and gives you back the contents.

## 6 Modifying Values

In this section, you will learn how to change the actual values that are stored inside your data frame. This is all adding up to something special: complete control of your data. You can now store your data in your computer, retrieve individual values at will, and use your computer to perform correct calculations with those values.

### 6.1 Changing Values in Place

You can use R's notation system to modify values within an R object. First, describe the value (or values) you wish to modify. Then use the assignment operator `<-` to overwrite those values. R will update the selected values in the original object. Let's put this into action with a real example:

```
vec <- c(1:10)
vec

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

vec <- "text"
vec

## [1] "text"
```

Here's how you can select the first value of `vec`:

```
vec[1]

## [1] "text"
```

And here is how you can modify it:

```
vec

## [1] "text"

vec[1] <- 999
vec

## [1] "999"

vec[-1] <- 0
vec

## [1] "999"
```

You can replace multiple values at once as long as the number of new values equals the number of selected values:

```
vec <- 1:10
vec[c(1, 3, 5)] <- c(1000, 3000, 5000)
vec

## [1] 1000 2 3000 4 5000 6 7 8 9 10
vec[4:6] <- vec[4:6] + 1
vec

## [1] 1000 2 3000 5 5001 7 7 8 9 10
```

You can also create values that do not yet exist in your object. R will expand the object to accommodate the new values:

```
vec <- c(1:10)
vec

## [1] 1 2 3 4 5 6 7 8 9 10
length(vec)

## [1] 10
vec[12] <- 0
vec

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

Notice the NA in the vector. Our original vector has 10 elements, but here we added a new value at index 12 without specifying the value for the 11th element. R will automatically fill in the unspecified elements with NA. When writing your own code, try to avoid doing this. We usually try to minimize the amount of NAs in our dataframe.

Now you can add new variables to your data set:

```
colnames(school_loc)

## [1] "X" "Y" "OBJECTID" "UNITID" "NAME"
## [6] "STREET" "CITY" "STATE" "ZIP" "STFIP"
## [11] "CNTY" "NMCNTY" "LOCALE" "LAT" "LON"
## [16] "CBSA" "NMCBSA" "CBSATYPE" "CSA" "NMCSA"
## [21] "NECTA" "NMNECTA" "CD" "SLDL" "SLDU"
## [26] "SCHOOLYEAR"

school_loc$indices <- 1:7012
colnames(school_loc)

## [1] "X" "Y" "OBJECTID" "UNITID" "NAME"
## [6] "STREET" "CITY" "STATE" "ZIP" "STFIP"
## [11] "CNTY" "NMCNTY" "LOCALE" "LAT" "LON"
## [16] "CBSA" "NMCBSA" "CBSATYPE" "CSA" "NMCSA"
## [21] "NECTA" "NMNECTA" "CD" "SLDL" "SLDU"
## [26] "SCHOOLYEAR" "indices"

# View(school_loc)
```

You can also remove columns from a data frame (and elements from a list) by assigning them the symbol NULL:

```

school_loc$newcol <- 0
# View(school_loc)
school_loc$newcol <- NULL
colnames(school_loc)

```

```

## [1] "X"          "Y"          "OBJECTID"   "UNITID"    "NAME"
## [6] "STREET"     "CITY"       "STATE"      "ZIP"       "STFIP"
## [11] "CNTY"       "NMCNTY"    "LOCALE"     "LAT"       "LON"
## [16] "CBSA"       "NMCBSA"    "CBSATYPE"   "CSA"       "NMCSA"
## [21] "NECTA"      "NMNECTA"   "CD"         "SLDL"      "SLDU"
## [26] "SCHOOLYEAR" "indices"

```

You can single out just the values by subsetting the columns dimension. You can also assign a new set of values to these old values. The set of new values will have to be the same size as the set of values that you are replacing.

```

# To illustrate subsetting values, we add the new variable back.
school_loc$newcol <- 1:7012
head(school_loc$newcol, 10)

```

```

## [1] 1 2 3 4 5 6 7 8 9 10
school_loc$newcol[c(1,3,5,7,9)] <- c(111, 333, 555, 777, 999)
head(school_loc$newcol, 10)

```

```

## [1] 111 2 333 4 555 6 777 8 999 10
# If you would like to set them to the same value, simply do:
school_loc$newcol[c(2,4,6,8,10)] <- 1000
head(school_loc$newcol, 10)

```

```

## [1] 111 1000 333 1000 555 1000 777 1000 999 1000

```

Notice that the values change in place. You do not end up with a new copy of the `school_loc` dataframe. The new values will appear inside the `school_loc` dataframe.

The same technique will work whether you store your data in a vector, matrix, list, or data frame. Just describe the values that you want to change with R's notation system, then assign over those values with R's assignment operator.

## 6.2 Logical Subsetting

Do you remember R's logical index system, logicals? To recap, you can select values with a vector of `TRUE`s and `FALSE`s. The vector must be the same length as the dimension that you wish to subset. R will return every element that matches a `TRUE`:

```

vec2 <- c(1,0,2,0,3,4,5,0,9)
vec2

```

```

## [1] 1 0 2 0 3 4 5 0 9

```

```

vec2[c(TRUE, FALSE, FALSE, FALSE, FALSE, FALSE, TRUE, FALSE, TRUE)] # filter

```

```

## [1] 1 5 9

```

At first glance, this system might seem impractical. Who wants to type out long vectors of `TRUE`s and `FALSE`s? No one. But you don't have to. You can let a logical test create a vector of `TRUE`s and `FALSE`s for you.

### 6.2.1 Logical Tests

A logical test is a comparison like “is one less than two?”,  $1 < 2$ , or “is three greater than four?”,  $3 > 4$ . R provides seven logical operators that you can use to make comparisons.

Operator	Syntax	Tests
<code>&gt;</code>	<code>a &gt; b</code>	Is a greater than b?
<code>&gt;=</code>	<code>a &gt;= b</code>	Is a greater than or equal to b?
<code>&lt;</code>	<code>a &lt; b</code>	Is a less than b?
<code>&lt;=</code>	<code>a &lt;= b</code>	Is a less than or equal to b?
<code>==</code>	<code>a == b</code>	Is a equal to b?
<code>!=</code>	<code>a != b</code>	Is a not equal to b?
<code>%in%</code>	<code>a %in% c(a, b, c)</code>	Is a in the group c(a, b, c)?

Figure 1: R’s Logical Operators

Each operator returns a TRUE or a FALSE. If you use an operator to compare vectors, R will do ‘element-wise comparisons’ — just like it does with the arithmetic operators:

```
1 < 2
```

```
## [1] TRUE
```

```
1 > c(0, 1, 2)
```

```
## [1] TRUE FALSE FALSE
```

```
c(1, 2, 3) == c(3, 2, 1)
```

```
## [1] FALSE TRUE FALSE
```

`%in%` is the only operator that does ‘not’ do normal element-wise execution. `%in%` tests whether the value(s) on the left side are in the vector on the right side. If you provide a vector on the left side, `%in%` will not pair up the values on the left with the values on the right and then do element-wise tests. Instead, `%in%` will independently test whether each value on the left is somewhere in the vector on the right:

```
1 %in% c(3, 4, 5)
```

```
## [1] FALSE
```

```
c(1, 2) %in% c(3, 4, 5)
```

```
## [1] FALSE FALSE
```

```
c(1, 2, 3) %in% c(3, 4, 5)
```

```
## [1] FALSE FALSE TRUE
```

```
c(1, 2, 3, 4) %in% c(3, 4, 5)
```

```
## [1] FALSE FALSE TRUE TRUE
```

```
# works for strings
"a" %in% c("a", "b", "c")
```

```
## [1] TRUE
```

```
"A" %in% c("a") # case sensitive
```

```
## [1] FALSE
```

```
"a" %in% c("abc") # %in% checks exact matches
```

```
## [1] FALSE
```

Notice that you test for equality with a double equals sign, `==`, and not a single equals sign, `=`, which is another way to write the assignment operator `<-`. It is easy to forget and use `a = b` to test if `a` equals `b`. Unfortunately, you'll be in for a nasty surprise. R won't return a `TRUE` or `FALSE`, because it won't have to: `a` will equal `b`, because you just ran the equivalent of `a <- b` where you manually set the value of `a` to be `b`.

You can compare any two R objects with a logical operator; however, logical operators make the most sense if you compare two objects of the same data type. If you compare objects of different data types, R will use its coercion rules to coerce the objects to the same type before it makes the comparison and the result might be hard to interpret.

We again use the school location dataset as our example.

```
colnames(school_loc)
# First extract the column "X"
school_loc$X
# Use the < operator to check whether each value is less than -100
school_loc$X < -100
# Use the sum() function to check how many TRUEs there are
# TRUE = 1 / FALSE = 0
sum(school_loc$X < -100)

# What does this do?
school_loc$Y[school_loc$X < -100]
# uses the logical vector to index or subset the Y column.
# extract all values from the Y column where the corresponding values in the X column are TRUE (less than -100)

# What does this do?
school_loc$Y[school_loc$X < -100] <- 0
# View(school_loc)
```

To summarize, you can use a logical test to select values within an object.

Logical subsetting is a powerful technique because it lets you quickly identify, extract, and modify individual values in your data set. When you work with logical subsetting, you do not need to know where in your data set a value exists. You only need to know how to describe the value with a logical test.

Logical subsetting is one of the things R does best. In fact, logical subsetting is a key component of vectorized programming, a coding style that lets you write fast and efficient R code.

### 6.3 In-class exercises 2.4:

Let's practice with the dataset TFR.

1. Find the dimension of TFR. How many observations and variables?
2. Add a new column called `index` to TFR, where the values are the indices for the rows.
3. Select the first row of TFR.



4. Select the first column of TFR.
5. Get the last row of TFR.
6. How many values in the column TFR are greater than 8?
7. How many values in the column ChildBearing are over 25?
8. What does this code do?

```
TFR$ChildBearing[TFR$ChildBearing > 25]
```

9. Set all values in the column ChildBearing that are less than 25 to 0.

```
TFR <- read.csv("dataset.csv")
sum(TFR$TFR > 8)
```

```
## [1] 67
```

```
nrow(TFR[TFR$TFR > 8,])
```

```
## [1] 67
```

```
typeof(TFR[TFR$TFR > 8,])
```

```
## [1] "list"
```

```
TFR[TFR$TFR > 8, ]
```

##	Country	Uncode	Year	TFR	InfMRateCME	InfMRateUN	U5MRateCME	U5MRateUN
## 5215	Iraq	368	1950	8.3980	246.2	280.6580	364.3	407.64109
## 5216	Iraq	368	1951	8.1784	231.0	269.5758	343.1	391.39864
## 5625	Jordan	400	1964	8.0340	87.1	100.3606	123.8	149.23743
## 5626	Jordan	400	1965	8.0570	82.8	95.5380	117.1	140.34776
## 5627	Jordan	400	1966	8.0530	78.9	91.9096	110.9	133.86064
## 5628	Jordan	400	1967	8.0330	75.2	88.2812	105.1	127.37352
## 5629	Jordan	400	1968	8.0040	71.8	84.6528	99.7	120.88639
## 5755	Kenya	404	1962	8.0420	109.9	126.9878	183.1	213.81928
## 5756	Kenya	404	1963	8.0780	106.5	123.6482	176.7	207.85358
## 5757	Kenya	404	1964	8.1030	103.6	120.3086	171.2	201.88788
## 5758	Kenya	404	1965	8.1190	101.2	116.9690	166.6	195.92218
## 5759	Kenya	404	1966	8.1260	99.0	114.4554	162.6	191.13038
## 5760	Kenya	404	1967	8.1250	97.1	111.9418	159.0	186.33857
## 5761	Kenya	404	1968	8.1170	95.2	109.4282	155.5	181.54677
## 5762	Kenya	404	1969	8.1030	93.3	106.9146	152.0	176.75496
## 5763	Kenya	404	1970	8.0810	91.3	104.4010	148.3	171.96316
## 5764	Kenya	404	1971	8.0510	89.3	101.8174	144.7	167.16942
## 5765	Kenya	404	1972	8.0120	87.3	99.2338	141.0	162.37568
## 6487	Libya	434	1968	8.0100	107.1	139.2616	160.5	189.60780
## 6488	Libya	434	1969	8.0870	101.4	130.3298	148.7	176.81560
## 6489	Libya	434	1970	8.1320	96.0	121.3980	137.8	164.02341
## 6490	Libya	434	1971	8.1470	90.9	115.1134	127.6	155.00227
## 6491	Libya	434	1972	8.1350	86.0	108.8288	118.3	145.98113
## 6492	Libya	434	1973	8.1020	81.3	102.5442	109.9	136.95999
## 6493	Libya	434	1974	8.0480	76.9	96.2596	102.3	127.93885
## 8476	Oman	512	1977	8.0180	100.1	98.4216	144.4	149.92550
## 8477	Oman	512	1978	8.1370	92.9	93.1594	133.1	140.65780
## 8478	Oman	512	1979	8.2320	86.1	87.8972	122.2	131.39010
## 8479	Oman	512	1980	8.2990	79.4	82.6350	111.6	122.12240
## 8480	Oman	512	1981	8.3380	72.8	77.9946	101.4	114.54923
## 8481	Oman	512	1982	8.3520	66.6	73.3542	91.6	106.97607

##	8482	Oman	512	1983	8.3400	60.7	68.7138	82.4	99.40290
##	8483	Oman	512	1984	8.2990	55.3	64.0734	73.9	91.82973
##	8484	Oman	512	1985	8.2220	50.4	59.4330	66.1	84.25657
##	8485	Oman	512	1986	8.1010	45.8	55.9692	59.3	78.83876
##	9247	Rwanda	646	1956	8.0300	145.4	158.6406	246.0	267.70993
##	9248	Rwanda	646	1957	8.0600	140.5	156.8952	237.7	264.81002
##	9249	Rwanda	646	1958	8.0900	135.6	155.1498	229.5	261.91011
##	9250	Rwanda	646	1959	8.1200	131.2	153.4044	222.1	259.01020
##	9251	Rwanda	646	1960	8.1870	127.9	151.6590	216.0	256.11029
##	9252	Rwanda	646	1961	8.1940	125.3	149.9492	211.3	253.25245
##	9253	Rwanda	646	1962	8.1970	123.4	148.2394	207.9	250.39460
##	9254	Rwanda	646	1963	8.1980	122.4	146.5296	206.0	247.53675
##	9255	Rwanda	646	1964	8.1980	122.0	144.8198	205.3	244.67890
##	9256	Rwanda	646	1965	8.1980	122.2	143.1100	205.7	241.82105
##	9257	Rwanda	646	1966	8.1980	123.0	141.8996	207.1	239.77828
##	9258	Rwanda	646	1967	8.2010	124.0	140.6892	209.0	237.73551
##	9259	Rwanda	646	1968	8.2070	125.5	139.4788	211.7	235.69273
##	9260	Rwanda	646	1969	8.2170	127.3	138.2684	215.0	233.64996
##	9261	Rwanda	646	1970	8.2310	129.4	137.0580	218.7	231.60719
##	9262	Rwanda	646	1971	8.2520	131.5	136.6690	222.6	230.82849
##	9263	Rwanda	646	1972	8.2780	134.1	136.2800	227.0	230.04979
##	9264	Rwanda	646	1973	8.3070	137.3	135.8910	232.4	229.27110
##	9265	Rwanda	646	1974	8.3390	141.1	135.5020	238.8	228.49240
##	9266	Rwanda	646	1975	8.3700	144.8	135.1130	244.9	227.71370
##	9267	Rwanda	646	1976	8.3990	147.5	133.7258	249.4	225.48825
##	9268	Rwanda	646	1977	8.4230	148.0	132.3386	250.4	223.26280
##	9269	Rwanda	646	1978	8.4410	144.9	130.9514	245.2	221.03735
##	9270	Rwanda	646	1979	8.4490	138.0	129.5642	233.6	218.81190
##	9271	Rwanda	646	1980	8.4480	129.1	128.1770	218.2	216.58645
##	9272	Rwanda	646	1981	8.4390	120.0	124.2856	201.6	209.35074
##	9273	Rwanda	646	1982	8.4230	111.8	120.3942	186.5	202.11503
##	9274	Rwanda	646	1983	8.3970	105.3	116.5028	174.4	194.87932
##	9275	Rwanda	646	1984	8.3550	100.9	112.6114	166.0	187.64361
##	9276	Rwanda	646	1985	8.2850	97.8	108.7200	160.1	180.40790
##	9277	Rwanda	646	1986	8.1730	95.1	110.1250	155.3	182.65907
##	9278	Rwanda	646	1987	8.0130	93.1	111.5300	151.6	184.91024
##	LifeExpB		MtoFbirth	MtoF04	Pop1564	Pop1564Female	GDPpc	GDPpcGrowth	
##	5215	30.9550	1.065	1.0786200	59.78318	60.41158	NA	NA	
##	5216	32.3510	1.065	1.0676120	59.09168	59.80392	NA	NA	
##	5625	55.7927	1.054	1.0792690	51.52381	51.79283	3744.5513	0.1159344	
##	5626	56.5522	1.054	1.0735650	51.33929	51.86567	3991.9137	0.0639687	
##	5627	57.3033	1.054	1.0690250	50.94963	51.03448	3890.9346	-0.0256205	
##	5628	58.0440	1.054	1.0668670	50.90909	51.18483	4012.0808	0.0306606	
##	5629	58.7728	1.054	1.0659880	50.86866	50.94067	3906.3126	-0.0267162	
##	5755	47.6522	1.030	1.0028180	48.83532	48.22382	1760.2734	0.0319452	
##	5756	48.2698	1.030	1.0017110	48.43960	47.83097	1751.0440	-0.0052567	
##	5757	48.8611	1.030	1.0006560	48.16304	47.58591	1837.9093	0.0484166	
##	5758	49.4288	1.030	1.0004360	48.00631	47.48580	1850.3324	0.0067363	
##	5759	49.9817	1.030	1.0006190	47.70437	47.20244	1980.8476	0.0681596	
##	5760	50.5327	1.030	1.0012720	47.57731	47.13752	1991.1969	0.0052114	
##	5761	51.0908	1.030	1.0023030	47.54333	47.15725	1924.4750	-0.0340829	
##	5762	51.6589	1.030	1.0033850	47.49724	47.18090	1978.6294	0.0277510	
##	5763	52.2330	1.030	1.0043640	47.49844	47.21631	1839.0359	-0.0731626	
##	5764	52.8087	1.030	1.0059110	47.36662	47.13430	1905.7428	0.0356302	

##	5765	53.3774	1.030	1.0066210	47.25648	47.09571	1989.9405	0.0432329
##	6487	53.9774	1.054	1.0293900	51.51984	50.53079	NA	NA
##	6488	55.0723	1.054	1.0320060	51.08588	50.20367	NA	NA
##	6489	56.1186	1.054	1.0344560	50.68558	49.70703	NA	NA
##	6490	57.1180	1.054	1.0342370	50.18116	49.20337	NA	NA
##	6491	58.0732	1.054	1.0345170	49.93498	48.96676	NA	NA
##	6492	58.9854	1.054	1.0350620	49.64716	48.53448	NA	NA
##	6493	59.8577	1.054	1.0357910	49.40334	48.22167	NA	NA
##	8476	56.7597	1.050	1.0328670	51.94274	50.84034	9360.4859	0.1131859
##	8477	57.7823	1.050	1.0354240	51.98451	50.70423	9659.0578	0.0313988
##	8478	58.7756	1.050	1.0381540	52.01465	50.28791	10927.7107	0.1234055
##	8479	59.7300	1.050	1.0398860	52.16638	50.00000	11490.8602	0.0502501
##	8480	60.6420	1.050	1.0400810	52.04918	49.56370	12799.0505	0.1078196
##	8481	61.5172	1.050	1.0402220	51.86047	49.00332	12766.6473	-0.0025349
##	8482	62.3599	1.050	1.0404380	51.94710	48.73418	12426.3834	-0.0270147
##	8483	63.1687	1.050	1.0410540	52.13138	48.86536	13073.0085	0.0507278
##	8484	63.9401	1.050	1.0425070	52.03469	48.47605	14010.4135	0.0692511
##	8485	64.6736	1.050	1.0357510	51.76169	47.75910	10178.7093	-0.3195028
##	9247	40.3146	1.010	0.9758853	51.03528	51.35542	NA	NA
##	9248	40.6122	1.010	0.9759251	50.44543	50.80175	NA	NA
##	9249	40.9098	1.010	0.9776292	49.83807	50.10601	NA	NA
##	9250	41.2074	1.010	0.9795355	49.52814	49.75978	NA	NA
##	9251	42.2493	1.010	0.9807954	49.28425	49.53146	962.5833	NA
##	9252	42.5488	1.010	0.9836807	48.59813	48.68938	915.9941	-0.0496111
##	9253	42.8377	1.010	0.9842926	48.24648	48.39125	1006.4344	0.0941591
##	9254	43.1131	1.010	0.9834400	47.98582	48.13409	879.8009	-0.1344733
##	9255	43.3705	1.010	0.9824865	47.88109	47.98262	766.1479	-0.1383204
##	9256	43.6014	1.010	0.9824650	47.81936	47.90528	790.5686	0.0313773
##	9257	43.7973	1.010	0.9822982	48.08677	48.13720	821.3855	0.0382404
##	9258	43.9596	1.010	0.9826065	48.33236	48.36301	859.8543	0.0457702
##	9259	44.0915	1.010	0.9832512	48.61111	48.69226	889.7837	0.0342155
##	9260	44.1998	1.010	0.9837058	49.05246	49.08306	958.3640	0.0742493
##	9261	44.2908	1.010	0.9837503	49.40080	49.47699	993.3892	0.0358949
##	9262	44.3674	1.010	0.9841245	49.56050	49.61910	973.2149	-0.0205178
##	9263	44.4436	1.010	0.9834776	49.79920	49.85207	981.1746	0.0081458
##	9264	44.5395	1.010	0.9824054	49.90249	49.90421	992.1314	0.0111051
##	9265	44.6749	1.010	0.9816615	50.13012	50.16272	981.0658	-0.0112162
##	9266	44.8995	1.010	0.9816702	50.24088	50.27051	962.6019	-0.0189996
##	9267	45.2671	1.010	0.9813901	50.07780	50.10922	1095.7688	0.1295714
##	9268	45.7862	1.010	0.9822701	49.96773	49.89429	1131.7462	0.0323057
##	9269	46.4366	1.010	0.9838727	49.90635	49.91817	1098.0674	-0.0302100
##	9270	47.1751	1.010	0.9855906	49.73833	49.72288	1214.3479	0.1006556
##	9271	47.9884	1.010	0.9870869	49.63035	49.59816	1150.4087	-0.0540900
##	9272	48.8665	1.010	0.9890388	49.24727	49.20400	1274.6778	0.1025763
##	9273	49.7193	1.010	0.9899695	48.98852	48.99570	1204.2566	-0.0568309
##	9274	50.4084	1.010	0.9902999	48.73875	48.71528	1239.7333	0.0290337
##	9275	50.7806	1.010	0.9906778	48.47711	48.50921	1162.8270	-0.0640421
##	9276	50.4519	1.010	0.9914975	48.23472	48.31027	1173.5033	0.0091395
##	9277	48.9896	1.010	0.9925304	47.93324	48.04916	1177.5072	0.0034060
##	9278	46.3051	1.010	0.9939168	47.67131	47.85276	1073.2989	-0.0926628
##	Yschooling YschoolF1549 GenrollPrim ChildBearing CountryCode							
##	5215	0.240	0.1059529	NA	28.6970	IRQ		
##	5216	0.258	0.1174685	NA	28.6970	IRQ		
##	5625	2.882	1.8347658	NA	30.0230	JOR		

## 5626	3.000	1.9325727	NA	30.0870	JOR
## 5627	3.094	2.0368810	NA	30.1594	JOR
## 5628	3.188	2.1411893	NA	30.2318	JOR
## 5629	3.282	2.2454976	NA	30.3042	JOR
## 5755	1.582	1.0558332	NA	29.1350	KEN
## 5756	1.618	1.0881855	NA	29.1350	KEN
## 5757	1.654	1.1205378	NA	29.1350	KEN
## 5758	1.690	1.1528901	NA	29.1350	KEN
## 5759	1.786	1.2529880	NA	29.1350	KEN
## 5760	1.882	1.3530860	NA	29.1350	KEN
## 5761	1.978	1.4531839	NA	29.1350	KEN
## 5762	2.074	1.5532819	NA	29.1350	KEN
## 5763	2.170	1.6533799	62.8227	29.1350	KEN
## 5764	2.268	1.7376679	64.6843	29.1350	KEN
## 5765	2.366	1.8219560	68.6828	29.1350	KEN
## 6487	1.318	0.3805815	NA	29.3460	LBY
## 6488	1.424	0.4293644	NA	29.3460	LBY
## 6489	1.530	0.4781473	NA	29.3460	LBY
## 6490	1.662	0.5846924	102.1570	29.3460	LBY
## 6491	1.794	0.6912376	112.4120	29.3460	LBY
## 6492	1.926	0.7977827	118.2440	29.3460	LBY
## 6493	2.058	0.9043279	119.3190	29.3460	LBY
## 8476	NA	NA	41.1142	31.2518	OMN
## 8477	NA	NA	44.6962	31.1932	OMN
## 8478	NA	NA	47.4285	31.1346	OMN
## 8479	NA	NA	48.7300	31.0760	OMN
## 8480	NA	NA	51.1830	31.0718	OMN
## 8481	NA	NA	53.9895	31.0676	OMN
## 8482	NA	NA	58.5153	31.0634	OMN
## 8483	NA	NA	63.5107	31.0592	OMN
## 8484	NA	NA	68.6140	31.0550	OMN
## 8485	NA	NA	72.6484	31.0394	OMN
## 9247	0.518	0.2529875	NA	31.5670	RWA
## 9248	0.586	0.2785060	NA	31.5670	RWA
## 9249	0.654	0.3040244	NA	31.5670	RWA
## 9250	0.722	0.3295429	NA	31.5670	RWA
## 9251	0.790	0.3550614	NA	31.5670	RWA
## 9252	0.820	0.3719086	NA	31.5670	RWA
## 9253	0.850	0.3887559	NA	31.5670	RWA
## 9254	0.880	0.4056032	NA	31.5670	RWA
## 9255	0.910	0.4224505	NA	31.5670	RWA
## 9256	0.940	0.4392978	NA	31.5670	RWA
## 9257	0.984	0.4915082	NA	31.5670	RWA
## 9258	1.028	0.5437186	NA	31.5670	RWA
## 9259	1.072	0.5959290	NA	31.5670	RWA
## 9260	1.116	0.6481394	NA	31.5670	RWA
## 9261	1.160	0.7003498	NA	31.5670	RWA
## 9262	1.216	0.7649327	64.6602	31.5670	RWA
## 9263	1.272	0.8295156	61.4741	31.5670	RWA
## 9264	1.328	0.8940985	59.7324	31.5670	RWA
## 9265	1.384	0.9586814	58.3673	31.5670	RWA
## 9266	1.440	1.0232643	55.6164	31.5670	RWA
## 9267	1.490	1.0869614	56.5821	31.5670	RWA
## 9268	1.540	1.1506585	59.6202	31.5670	RWA

```
## 9269      1.590      1.2143556      61.7341      31.5670      RWA
## 9270      1.640      1.2780527      66.4257      31.5670      RWA
## 9271      1.690      1.3417498      69.5529      31.5670      RWA
## 9272      1.728      1.4115941      73.8989      31.5670      RWA
## 9273      1.766      1.4814384      74.7810      31.5670      RWA
## 9274      1.804      1.5512826      71.5525      31.5670      RWA
## 9275      1.842      1.6211269      69.9010      31.5670      RWA
## 9276      1.880      1.6909712      68.9657      31.5670      RWA
## 9277      1.940      1.7891997      69.5425      31.5256      RWA
## 9278      2.000      1.8874283      71.2952      31.4842      RWA
```

```
typeof(TFR$TFR > 8)
```

```
## [1] "logical"
```

```
nrow(TFR[TFR$TFR > 8,])
```

```
## [1] 67
```

### 6.3.1 Boolean Operators

Boolean operators are things like and (&) and or (|). They “collapse the results of multiple logical tests into a single TRUE or FALSE”. R has six boolean operators.

Operator	Syntax	Tests
&	cond1 & cond2	Are both cond1 and cond2 true?
	cond1   cond2	Is one or more of cond1 and cond2 true?
xor	xor(cond1, cond2)	Is exactly one of cond1 and cond2 true?
!	!cond1	Is cond1 false? (e.g., ! flips the results of a logical test)
any	any(cond1, cond2, cond3, ...)	Are any of the conditions true?
all	all(cond1, cond2, cond3, ...)	Are all of the conditions true?

Figure 2: Boolean Operators

To use a Boolean operator, place it between two complete logical tests. R will execute each logical test and then use the Boolean operator to combine the results into a single TRUE or FALSE. If you do not supply a complete test to each side of the operator, R will return an error.

When used with vectors, Boolean operators will follow the same element-wise execution as arithmetic and logical operators:

```
a <- c(1, 2, 3)
b <- c(1, 2, 3)
c <- c(1, 2, 4)
a == b
```

```
## [1] TRUE TRUE TRUE
b == c

## [1] TRUE TRUE FALSE
a == b & b == c

## [1] TRUE TRUE FALSE
all(a == b & b == c)

## [1] FALSE
any(a == b & b == c)

## [1] TRUE
# (TRUE TRUE TRUE) & (TRUE TRUE FALSE)
```

## 6.4 In-class exercises 2.4:

If you think you have the hang of logical tests, try converting these sentences into tests written with R code. To help you out, I've defined some R objects after the sentences that you can use to test your answers:

1. Is w positive?
2. Is x greater than 10 and less than 20?
3. Is object y the word February?
4. Is every value in z a day of the week?
5. What does this expression evaluate to and why?

```
w <- c(-1, 0, 1)
x <- c(5, 15)
y <- "February"
z <- c("Monday", "Tuesday", "Friday")
(TRUE + TRUE) * FALSE
```

```
## [1] 0
```

6. Use logical operators to output only those rows of data in TFR where column Year is between 1950 and 1955 inclusively.
7. Use logical operators to output only those rows of data where column TFR is equal to 7.45 and column Year is greater than 1960.
8. Use logical operators to output only the even rows of the dataframe.
9. Use logical operators and change every 4th element in column LifeExpB to 0.

```
data <- TFR
# 6
data[data$Year >= 1950 & data$Year <= 1955,]
```

```
##           Country Uncode Year      TFR InfMRateCME
## 1      Afghanistan      4 1950 7.45000          NA
## 2      Afghanistan      4 1951 7.45000          NA
## 3      Afghanistan      4 1952 7.45000          NA
## 4      Afghanistan      4 1953 7.45000          NA
## 5      Afghanistan      4 1954 7.45000          NA
## 6      Afghanistan      4 1955 7.45000          NA
## 67      Albania      8 1950 5.91380          NA
## 68      Albania      8 1951 5.97704          NA
```

## 69	Albania	8	1952	6.04028	NA
## 70	Albania	8	1953	6.10352	NA
## 71	Albania	8	1954	6.16676	NA
## 72	Albania	8	1955	6.23000	NA
## 133	Algeria	12	1950	7.17200	NA
## 134	Algeria	12	1951	7.19320	NA
## 135	Algeria	12	1952	7.21440	NA
## 136	Algeria	12	1953	7.23560	NA
## 137	Algeria	12	1954	7.25680	150.4
## 138	Algeria	12	1955	7.27800	149.9
## 199	Angola	24	1950	7.25000	NA
## 200	Angola	24	1951	7.26000	NA
## 201	Angola	24	1952	7.27000	NA
## 202	Angola	24	1953	7.28000	NA
## 203	Angola	24	1954	7.29000	NA
## 204	Angola	24	1955	7.30000	NA
## 265	Antigua and Barbuda	28	1950	4.50000	NA
## 266	Antigua and Barbuda	28	1951	4.50000	NA
## 267	Antigua and Barbuda	28	1952	4.50000	NA
## 268	Antigua and Barbuda	28	1953	4.50000	NA
## 269	Antigua and Barbuda	28	1954	4.50000	NA
## 270	Antigua and Barbuda	28	1955	4.50000	NA
## 331	Argentina	32	1950	3.18150	NA
## 332	Argentina	32	1951	3.17600	NA
## 333	Argentina	32	1952	3.17050	NA
## 334	Argentina	32	1953	3.16500	NA
## 335	Argentina	32	1954	3.15950	NA
## 336	Argentina	32	1955	3.15400	NA
## 397	Armenia	51	1950	4.08800	NA
## 398	Armenia	51	1951	4.16920	NA
## 399	Armenia	51	1952	4.25040	NA
## 400	Armenia	51	1953	4.33160	NA
## 401	Armenia	51	1954	4.41280	NA
## 402	Armenia	51	1955	4.49400	NA
## 463	Aruba	533	1950	6.15000	NA
## 464	Aruba	533	1951	6.05000	NA
## 465	Aruba	533	1952	5.95000	NA
## 466	Aruba	533	1953	5.85000	NA
## 467	Aruba	533	1954	5.75000	NA
## 468	Aruba	533	1955	5.65000	NA
## 529	Australia	36	1950	2.95400	25.0
## 530	Australia	36	1951	2.99920	24.6
## 531	Australia	36	1952	3.04440	24.1
## 532	Australia	36	1953	3.08960	23.6
## 533	Australia	36	1954	3.13480	23.0
## 534	Australia	36	1955	3.18000	22.6
## 595	Austria	40	1950	1.64400	NA
## 596	Austria	40	1951	1.73612	NA
## 597	Austria	40	1952	1.82824	NA
## 598	Austria	40	1953	1.92036	NA
## 599	Austria	40	1954	2.01248	48.1
## 600	Austria	40	1955	2.10460	46.6
## 661	Azerbaijan	31	1950	4.80000	NA
## 662	Azerbaijan	31	1951	4.88000	NA

## 663	Azerbaijan	31	1952	4.96000	NA
## 664	Azerbaijan	31	1953	5.04000	NA
## 665	Azerbaijan	31	1954	5.12000	NA
## 666	Azerbaijan	31	1955	5.20000	NA
## 727	Bahamas, The	44	1950	3.79000	NA
## 728	Bahamas, The	44	1951	3.84200	NA
## 729	Bahamas, The	44	1952	3.89400	NA
## 730	Bahamas, The	44	1953	3.94600	NA
## 731	Bahamas, The	44	1954	3.99800	NA
## 732	Bahamas, The	44	1955	4.05000	NA
## 793	Bahrain	48	1950	6.97000	NA
## 794	Bahrain	48	1951	6.97000	NA
## 795	Bahrain	48	1952	6.97000	NA
## 796	Bahrain	48	1953	6.97000	NA
## 797	Bahrain	48	1954	6.97000	NA
## 798	Bahrain	48	1955	6.97000	NA
## 859	Bangladesh	50	1950	6.09550	NA
## 860	Bangladesh	50	1951	6.14820	NA
## 861	Bangladesh	50	1952	6.20090	NA
## 862	Bangladesh	50	1953	6.25360	216.6
## 863	Bangladesh	50	1954	6.30630	209.8
## 864	Bangladesh	50	1955	6.35900	203.6
## 925	Barbados	52	1950	4.53710	NA
## 926	Barbados	52	1951	4.51308	NA
## 927	Barbados	52	1952	4.48906	NA
## 928	Barbados	52	1953	4.46504	NA
## 929	Barbados	52	1954	4.44102	137.7
## 930	Barbados	52	1955	4.41700	119.1
## 991	Belarus	112	1950	2.49000	NA
## 992	Belarus	112	1951	2.51400	NA
## 993	Belarus	112	1952	2.53800	NA
## 994	Belarus	112	1953	2.56200	NA
## 995	Belarus	112	1954	2.58600	NA
## 996	Belarus	112	1955	2.61000	NA
## 1057	Belgium	56	1950	2.23400	NA
## 1058	Belgium	56	1951	2.26020	NA
## 1059	Belgium	56	1952	2.28640	NA
## 1060	Belgium	56	1953	2.31260	44.9
## 1061	Belgium	56	1954	2.33880	42.3
## 1062	Belgium	56	1955	2.36500	39.8
## 1123	Belize	84	1950	6.75000	NA
## 1124	Belize	84	1951	6.73000	NA
## 1125	Belize	84	1952	6.71000	NA
## 1126	Belize	84	1953	6.69000	NA
## 1127	Belize	84	1954	6.67000	NA
## 1128	Belize	84	1955	6.65000	NA
## 1189	Benin	204	1950	5.57990	208.6
## 1190	Benin	204	1951	5.63532	206.5
## 1191	Benin	204	1952	5.69074	204.7
## 1192	Benin	204	1953	5.74616	202.7
## 1193	Benin	204	1954	5.80158	200.7
## 1194	Benin	204	1955	5.85700	198.7
## 1255	Bhutan	64	1950	6.67000	NA
## 1256	Bhutan	64	1951	6.67000	NA



## 1257	Bhutan	64	1952	6.67000	NA
## 1258	Bhutan	64	1953	6.67000	NA
## 1259	Bhutan	64	1954	6.67000	NA
## 1260	Bhutan	64	1955	6.67000	NA
## 1321	Bolivia	68	1950	7.00800	NA
## 1322	Bolivia	68	1951	6.98440	NA
## 1323	Bolivia	68	1952	6.96080	NA
## 1324	Bolivia	68	1953	6.93720	NA
## 1325	Bolivia	68	1954	6.91360	NA
## 1326	Bolivia	68	1955	6.89000	NA
## 1387	Bosnia and Herzegovina	70	1950	5.67000	NA
## 1388	Bosnia and Herzegovina	70	1951	5.50000	NA
## 1389	Bosnia and Herzegovina	70	1952	5.33000	NA
## 1390	Bosnia and Herzegovina	70	1953	5.16000	NA
## 1391	Bosnia and Herzegovina	70	1954	4.99000	NA
## 1392	Bosnia and Herzegovina	70	1955	4.82000	NA
## 1453	Botswana	72	1950	6.42500	NA
## 1454	Botswana	72	1951	6.44000	NA
## 1455	Botswana	72	1952	6.45500	NA
## 1456	Botswana	72	1953	6.47000	NA
## 1457	Botswana	72	1954	6.48500	138.9
## 1458	Botswana	72	1955	6.50000	134.5
## 1519	Brazil	76	1950	6.15000	NA
## 1520	Brazil	76	1951	6.14000	NA
## 1521	Brazil	76	1952	6.13000	NA
## 1522	Brazil	76	1953	6.12000	NA
## 1523	Brazil	76	1954	6.11000	NA
## 1524	Brazil	76	1955	6.10000	147.4
## 1585	Brunei Darussalam	96	1950	6.90040	NA
## 1586	Brunei Darussalam	96	1951	6.89948	NA
## 1587	Brunei Darussalam	96	1952	6.89856	NA
## 1588	Brunei Darussalam	96	1953	6.89764	NA
## 1589	Brunei Darussalam	96	1954	6.89672	NA
## 1590	Brunei Darussalam	96	1955	6.89580	NA
## 1651	Bulgaria	100	1950	2.75590	NA
## 1652	Bulgaria	100	1951	2.71000	NA
## 1653	Bulgaria	100	1952	2.66410	NA
## 1654	Bulgaria	100	1953	2.61820	NA
## 1655	Bulgaria	100	1954	2.57230	NA
## 1656	Bulgaria	100	1955	2.52640	NA
## 1717	Burkina Faso	854	1950	5.96400	179.6
## 1718	Burkina Faso	854	1951	5.99190	178.4
## 1719	Burkina Faso	854	1952	6.01980	177.1
## 1720	Burkina Faso	854	1953	6.04770	175.5
## 1721	Burkina Faso	854	1954	6.07560	173.8
## 1722	Burkina Faso	854	1955	6.10350	171.9
## 1783	Burundi	108	1950	6.74500	NA
## 1784	Burundi	108	1951	6.75620	NA
## 1785	Burundi	108	1952	6.76740	NA
## 1786	Burundi	108	1953	6.77860	NA
## 1787	Burundi	108	1954	6.78980	NA
## 1788	Burundi	108	1955	6.80100	NA
## 1849	Cabo Verde	132	1950	6.36860	NA
## 1850	Cabo Verde	132	1951	6.40814	NA

## 1851	Cabo Verde	132	1952	6.44768	NA
## 1852	Cabo Verde	132	1953	6.48722	NA
## 1853	Cabo Verde	132	1954	6.52676	NA
## 1854	Cabo Verde	132	1955	6.56630	NA
## 1915	Cambodia	116	1950	6.94700	NA
## 1916	Cambodia	116	1951	6.94700	NA
## 1917	Cambodia	116	1952	6.94700	NA
## 1918	Cambodia	116	1953	6.94700	NA
## 1919	Cambodia	116	1954	6.94700	NA
## 1920	Cambodia	116	1955	6.94700	NA
## 1981	Cameroon	120	1950	5.45100	NA
## 1982	Cameroon	120	1951	5.45860	NA
## 1983	Cameroon	120	1952	5.46620	NA
## 1984	Cameroon	120	1953	5.47380	NA
## 1985	Cameroon	120	1954	5.48140	NA
## 1986	Cameroon	120	1955	5.48900	200.1
## 2047	Canada	124	1950	3.40800	41.2
## 2048	Canada	124	1951	3.45540	39.2
## 2049	Canada	124	1952	3.50280	37.2
## 2050	Canada	124	1953	3.55020	35.5
## 2051	Canada	124	1954	3.59760	33.9
## 2052	Canada	124	1955	3.64500	32.6
## 2113	Central African Republic	140	1950	5.28200	NA
## 2114	Central African Republic	140	1951	5.32880	NA
## 2115	Central African Republic	140	1952	5.37560	NA
## 2116	Central African Republic	140	1953	5.42240	NA
## 2117	Central African Republic	140	1954	5.46920	NA
## 2118	Central African Republic	140	1955	5.51600	NA
## 2179	Chad	148	1950	6.00000	NA
## 2180	Chad	148	1951	6.02000	NA
## 2181	Chad	148	1952	6.04000	NA
## 2182	Chad	148	1953	6.06000	NA
## 2183	Chad	148	1954	6.08000	NA
## 2184	Chad	148	1955	6.10000	NA
## 2245	Chile	152	1950	5.12580	NA
## 2246	Chile	152	1951	5.12986	NA
## 2247	Chile	152	1952	5.13392	NA
## 2248	Chile	152	1953	5.13798	NA
## 2249	Chile	152	1954	5.14204	NA
## 2250	Chile	152	1955	5.14610	NA
## 2311	China	156	1950	6.65000	NA
## 2312	China	156	1951	6.52500	NA
## 2313	China	156	1952	6.40000	NA
## 2314	China	156	1953	6.27500	NA
## 2315	China	156	1954	6.15000	NA
## 2316	China	156	1955	6.02500	NA
## 2377	Colombia	170	1950	6.76000	NA
## 2378	Colombia	170	1951	6.76000	NA
## 2379	Colombia	170	1952	6.76000	NA
## 2380	Colombia	170	1953	6.76000	NA
## 2381	Colombia	170	1954	6.76000	NA
## 2382	Colombia	170	1955	6.76000	NA
## 2443	Comoros	174	1950	5.39900	NA
## 2444	Comoros	174	1951	5.51920	NA

## 2445	Comoros	174	1952	5.63940	NA
## 2446	Comoros	174	1953	5.75960	NA
## 2447	Comoros	174	1954	5.87980	NA
## 2448	Comoros	174	1955	6.00000	NA
## 2509	Congo, Dem. Rep.	180	1950	5.98000	NA
## 2510	Congo, Dem. Rep.	180	1951	5.98000	NA
## 2511	Congo, Dem. Rep.	180	1952	5.98000	NA
## 2512	Congo, Dem. Rep.	180	1953	5.98000	NA
## 2513	Congo, Dem. Rep.	180	1954	5.98000	NA
## 2514	Congo, Dem. Rep.	180	1955	5.98000	NA
## 2575	Congo, Rep.	178	1950	5.58200	NA
## 2576	Congo, Rep.	178	1951	5.60240	NA
## 2577	Congo, Rep.	178	1952	5.62280	NA
## 2578	Congo, Rep.	178	1953	5.64320	NA
## 2579	Congo, Rep.	178	1954	5.66360	NA
## 2580	Congo, Rep.	178	1955	5.68400	NA
## 2641	Costa Rica	188	1950	5.50080	NA
## 2642	Costa Rica	188	1951	5.58988	NA
## 2643	Costa Rica	188	1952	5.67896	NA
## 2644	Costa Rica	188	1953	5.76804	NA
## 2645	Costa Rica	188	1954	5.85712	NA
## 2646	Costa Rica	188	1955	5.94620	NA
## 2707	Cote d'Ivoire	384	1950	7.28320	NA
## 2708	Cote d'Ivoire	384	1951	7.31682	NA
## 2709	Cote d'Ivoire	384	1952	7.35044	NA
## 2710	Cote d'Ivoire	384	1953	7.38406	NA
## 2711	Cote d'Ivoire	384	1954	7.41768	NA
## 2712	Cote d'Ivoire	384	1955	7.45130	NA
## 2773	Croatia	191	1950	3.08000	NA
## 2774	Croatia	191	1951	3.01000	NA
## 2775	Croatia	191	1952	2.94000	NA
## 2776	Croatia	191	1953	2.87000	NA
## 2777	Croatia	191	1954	2.80000	NA
## 2778	Croatia	191	1955	2.73000	NA
## 2839	Cuba	192	1950	4.60050	NA
## 2840	Cuba	192	1951	4.51040	NA
## 2841	Cuba	192	1952	4.42030	NA
## 2842	Cuba	192	1953	4.33020	NA
## 2843	Cuba	192	1954	4.24010	NA
## 2844	Cuba	192	1955	4.15000	NA
## 2905	Curacao	531	1950	5.04000	NA
## 2906	Curacao	531	1951	5.04600	NA
## 2907	Curacao	531	1952	5.05200	NA
## 2908	Curacao	531	1953	5.05800	NA
## 2909	Curacao	531	1954	5.06400	NA
## 2910	Curacao	531	1955	5.07000	NA
## 2971	Cyprus	196	1950	3.91200	NA
## 2972	Cyprus	196	1951	3.87060	NA
## 2973	Cyprus	196	1952	3.82920	NA
## 2974	Cyprus	196	1953	3.78780	NA
## 2975	Cyprus	196	1954	3.74640	NA
## 2976	Cyprus	196	1955	3.70500	NA
## 3037	Czech Republic	203	1950	3.10010	NA
## 3038	Czech Republic	203	1951	3.02774	NA

## 3039	Czech Republic	203	1952	2.95538	NA
## 3040	Czech Republic	203	1953	2.88302	NA
## 3041	Czech Republic	203	1954	2.81066	NA
## 3042	Czech Republic	203	1955	2.73830	NA
## 3103	Denmark	208	1950	2.55340	29.2
## 3104	Denmark	208	1951	2.55274	28.6
## 3105	Denmark	208	1952	2.55208	27.9
## 3106	Denmark	208	1953	2.55142	27.0
## 3107	Denmark	208	1954	2.55076	26.1
## 3108	Denmark	208	1955	2.55010	25.0
## 3169	Djibouti	262	1950	6.23660	NA
## 3170	Djibouti	262	1951	6.25168	NA
## 3171	Djibouti	262	1952	6.26676	NA
## 3172	Djibouti	262	1953	6.28184	NA
## 3173	Djibouti	262	1954	6.29692	NA
## 3174	Djibouti	262	1955	6.31200	NA
## 3235	Dominican Republic	214	1950	7.55850	107.2
## 3236	Dominican Republic	214	1951	7.56670	106.9
## 3237	Dominican Republic	214	1952	7.57490	106.6
## 3238	Dominican Republic	214	1953	7.58310	106.3
## 3239	Dominican Republic	214	1954	7.59130	106.0
## 3240	Dominican Republic	214	1955	7.59950	105.6
## 3301	Ecuador	218	1950	6.75000	NA
## 3302	Ecuador	218	1951	6.75000	NA
## 3303	Ecuador	218	1952	6.75000	NA
## 3304	Ecuador	218	1953	6.75000	NA
## 3305	Ecuador	218	1954	6.75000	NA
## 3306	Ecuador	218	1955	6.75000	139.3
## 3367	Egypt, Arab Rep.	818	1950	6.75000	NA
## 3368	Egypt, Arab Rep.	818	1951	6.75000	NA
## 3369	Egypt, Arab Rep.	818	1952	6.75000	NA
## 3370	Egypt, Arab Rep.	818	1953	6.75000	NA
## 3371	Egypt, Arab Rep.	818	1954	6.75000	NA
## 3372	Egypt, Arab Rep.	818	1955	6.75000	243.4
## 3433	El Salvador	222	1950	6.12590	NA
## 3434	El Salvador	222	1951	6.17304	NA
## 3435	El Salvador	222	1952	6.22018	NA
## 3436	El Salvador	222	1953	6.26732	NA
## 3437	El Salvador	222	1954	6.31446	NA
## 3438	El Salvador	222	1955	6.36160	139.6
## 3499	Equatorial Guinea	226	1950	5.67940	NA
## 3500	Equatorial Guinea	226	1951	5.67672	NA
## 3501	Equatorial Guinea	226	1952	5.67404	NA
## 3502	Equatorial Guinea	226	1953	5.67136	NA
## 3503	Equatorial Guinea	226	1954	5.66868	NA
## 3504	Equatorial Guinea	226	1955	5.66600	NA
## 3565	Eritrea	232	1950	6.96500	NA
## 3566	Eritrea	232	1951	6.96500	NA
## 3567	Eritrea	232	1952	6.96500	NA
## 3568	Eritrea	232	1953	6.96500	NA
## 3569	Eritrea	232	1954	6.96500	NA
## 3570	Eritrea	232	1955	6.96500	NA
## 3631	Estonia	233	1950	2.13000	NA
## 3632	Estonia	233	1951	2.11600	NA

## 3633	Estonia	233	1952	2.10200	NA
## 3634	Estonia	233	1953	2.08800	NA
## 3635	Estonia	233	1954	2.07400	NA
## 3636	Estonia	233	1955	2.06000	NA
## 3697	Ethiopia	231	1950	7.43690	NA
## 3698	Ethiopia	231	1951	7.38344	NA
## 3699	Ethiopia	231	1952	7.32998	NA
## 3700	Ethiopia	231	1953	7.27652	NA
## 3701	Ethiopia	231	1954	7.22306	NA
## 3702	Ethiopia	231	1955	7.16960	NA
## 3763	Fiji	242	1950	6.45800	94.6
## 3764	Fiji	242	1951	6.49140	88.4
## 3765	Fiji	242	1952	6.52480	82.7
## 3766	Fiji	242	1953	6.55820	77.5
## 3767	Fiji	242	1954	6.59160	72.8
## 3768	Fiji	242	1955	6.62500	68.6
## 3829	Finland	246	1950	3.22500	NA
## 3830	Finland	246	1951	3.17940	34.2
## 3831	Finland	246	1952	3.13380	33.0
## 3832	Finland	246	1953	3.08820	31.7
## 3833	Finland	246	1954	3.04260	30.4
## 3834	Finland	246	1955	2.99700	29.1
## 3895	France	250	1950	2.80500	47.6
## 3896	France	250	1951	2.79344	44.5
## 3897	France	250	1952	2.78188	41.4
## 3898	France	250	1953	2.77032	38.5
## 3899	France	250	1954	2.75876	35.9
## 3900	France	250	1955	2.74720	33.4
## 3961	French Polynesia	258	1950	6.13900	NA
## 3962	French Polynesia	258	1951	6.11120	NA
## 3963	French Polynesia	258	1952	6.08340	NA
## 3964	French Polynesia	258	1953	6.05560	NA
## 3965	French Polynesia	258	1954	6.02780	NA
## 3966	French Polynesia	258	1955	6.00000	NA
## 4027	Gabon	266	1950	3.77300	NA
## 4028	Gabon	266	1951	3.81580	NA
## 4029	Gabon	266	1952	3.85860	NA
## 4030	Gabon	266	1953	3.90140	NA
## 4031	Gabon	266	1954	3.94420	NA
## 4032	Gabon	266	1955	3.98700	NA
## 4093	Gambia, The	270	1950	5.11110	NA
## 4094	Gambia, The	270	1951	5.14638	NA
## 4095	Gambia, The	270	1952	5.18166	NA
## 4096	Gambia, The	270	1953	5.21694	NA
## 4097	Gambia, The	270	1954	5.25222	NA
## 4098	Gambia, The	270	1955	5.28750	NA
## 4159	Georgia	268	1950	2.59100	NA
## 4160	Georgia	268	1951	2.62280	NA
## 4161	Georgia	268	1952	2.65460	NA
## 4162	Georgia	268	1953	2.68640	NA
## 4163	Georgia	268	1954	2.71820	NA
## 4164	Georgia	268	1955	2.75000	NA
## 4225	Germany	276	1950	1.98200	NA
## 4226	Germany	276	1951	2.01120	NA

## 4227	Germany	276	1952	2.04040	NA
## 4228	Germany	276	1953	2.06960	NA
## 4229	Germany	276	1954	2.09880	NA
## 4230	Germany	276	1955	2.12800	NA
## 4291	Ghana	288	1950	6.24490	151.8
## 4292	Ghana	288	1951	6.28432	148.3
## 4293	Ghana	288	1952	6.32374	144.8
## 4294	Ghana	288	1953	6.36316	141.6
## 4295	Ghana	288	1954	6.40258	138.5
## 4296	Ghana	288	1955	6.44200	135.6
## 4357	Greece	300	1950	2.53960	NA
## 4358	Greece	300	1951	2.52758	NA
## 4359	Greece	300	1952	2.51556	NA
## 4360	Greece	300	1953	2.50354	NA
## 4361	Greece	300	1954	2.49152	NA
## 4362	Greece	300	1955	2.47950	49.9
## 4423	Guatemala	320	1950	7.24450	NA
## 4424	Guatemala	320	1951	7.21952	NA
## 4425	Guatemala	320	1952	7.19454	NA
## 4426	Guatemala	320	1953	7.16956	NA
## 4427	Guatemala	320	1954	7.14458	NA
## 4428	Guatemala	320	1955	7.11960	NA
## 4489	Guinea	324	1950	5.92580	NA
## 4490	Guinea	324	1951	5.94064	NA
## 4491	Guinea	324	1952	5.95548	NA
## 4492	Guinea	324	1953	5.97032	NA
## 4493	Guinea	324	1954	5.98516	NA
## 4494	Guinea	324	1955	6.00000	NA
## 4555	Guinea-Bissau	624	1950	5.90000	NA
## 4556	Guinea-Bissau	624	1951	5.90000	NA
## 4557	Guinea-Bissau	624	1952	5.90000	NA
## 4558	Guinea-Bissau	624	1953	5.90000	NA
## 4559	Guinea-Bissau	624	1954	5.90000	NA
## 4560	Guinea-Bissau	624	1955	5.90000	NA
## 4621	Guyana	328	1950	5.62970	108.3
## 4622	Guyana	328	1951	5.71218	103.7
## 4623	Guyana	328	1952	5.79466	99.2
## 4624	Guyana	328	1953	5.87714	94.7
## 4625	Guyana	328	1954	5.95962	90.2
## 4626	Guyana	328	1955	6.04210	85.8
## 4687	Haiti	332	1950	6.30000	NA
## 4688	Haiti	332	1951	6.30000	NA
## 4689	Haiti	332	1952	6.30000	NA
## 4690	Haiti	332	1953	6.30000	NA
## 4691	Haiti	332	1954	6.30000	NA
## 4692	Haiti	332	1955	6.30000	NA
## 4753	Honduras	340	1950	7.49700	NA
## 4754	Honduras	340	1951	7.49700	NA
## 4755	Honduras	340	1952	7.49700	NA
## 4756	Honduras	340	1953	7.49700	NA
## 4757	Honduras	340	1954	7.49700	NA
## 4758	Honduras	340	1955	7.49700	NA
## 4819	Hong Kong SAR, China	344	1950	4.16000	NA
## 4820	Hong Kong SAR, China	344	1951	4.21600	NA

## 4821	Hong Kong SAR, China	344	1952	4.27200	NA
## 4822	Hong Kong SAR, China	344	1953	4.32800	NA
## 4823	Hong Kong SAR, China	344	1954	4.38400	NA
## 4824	Hong Kong SAR, China	344	1955	4.44000	NA
## 4885	Hungary	348	1950	3.05420	NA
## 4886	Hungary	348	1951	2.98056	NA
## 4887	Hungary	348	1952	2.90692	NA
## 4888	Hungary	348	1953	2.83328	NA
## 4889	Hungary	348	1954	2.75964	64.2
## 4890	Hungary	348	1955	2.68600	64.5
## 4951	Iceland	352	1950	3.55860	45.6
## 4952	Iceland	352	1951	3.61936	43.8
## 4953	Iceland	352	1952	3.68012	41.9
## 4954	Iceland	352	1953	3.74088	40.0
## 4955	Iceland	352	1954	3.80164	38.2
## 4956	Iceland	352	1955	3.86240	36.7
## 5017	India	356	1950	5.91000	NA
## 5018	India	356	1951	5.90860	NA
## 5019	India	356	1952	5.90720	NA
## 5020	India	356	1953	5.90580	186.6
## 5021	India	356	1954	5.90440	183.2
## 5022	India	356	1955	5.90300	179.8
## 5083	Indonesia	360	1950	5.30000	NA
## 5084	Indonesia	360	1951	5.33720	192.2
## 5085	Indonesia	360	1952	5.37440	186.6
## 5086	Indonesia	360	1953	5.41160	181.2
## 5087	Indonesia	360	1954	5.44880	175.9
## 5088	Indonesia	360	1955	5.48600	170.8
## 5149	Iran, Islamic Rep.	364	1950	6.90860	NA
## 5150	Iran, Islamic Rep.	364	1951	6.90860	NA
## 5151	Iran, Islamic Rep.	364	1952	6.90860	NA
## 5152	Iran, Islamic Rep.	364	1953	6.90860	NA
## 5153	Iran, Islamic Rep.	364	1954	6.90860	NA
## 5154	Iran, Islamic Rep.	364	1955	6.90860	NA
## 5215	Iraq	368	1950	8.39800	246.2
## 5216	Iraq	368	1951	8.17840	231.0
## 5217	Iraq	368	1952	7.95880	216.3
## 5218	Iraq	368	1953	7.73920	202.8
## 5219	Iraq	368	1954	7.51960	190.1
## 5220	Iraq	368	1955	7.30000	178.1
## 5281	Ireland	372	1950	3.26000	45.6
## 5282	Ireland	372	1951	3.29200	43.8
## 5283	Ireland	372	1952	3.32400	41.9
## 5284	Ireland	372	1953	3.35600	40.0
## 5285	Ireland	372	1954	3.38800	38.2
## 5286	Ireland	372	1955	3.42000	36.7
## 5347	Israel	376	1950	4.66240	NA
## 5348	Israel	376	1951	4.58532	NA
## 5349	Israel	376	1952	4.50824	NA
## 5350	Israel	376	1953	4.43116	NA
## 5351	Israel	376	1954	4.35408	NA
## 5352	Israel	376	1955	4.27700	NA
## 5413	Italy	380	1950	2.42000	71.2
## 5414	Italy	380	1951	2.40700	65.8

## 5415	Italy	380	1952	2.39400	61.1
## 5416	Italy	380	1953	2.38100	56.9
## 5417	Italy	380	1954	2.36800	53.5
## 5418	Italy	380	1955	2.35500	51.0
## 5479	Jamaica	388	1950	3.36000	NA
## 5480	Jamaica	388	1951	3.53200	NA
## 5481	Jamaica	388	1952	3.70400	86.6
## 5482	Jamaica	388	1953	3.87600	83.0
## 5483	Jamaica	388	1954	4.04800	79.6
## 5484	Jamaica	388	1955	4.22000	76.3
## 5545	Japan	392	1950	3.75000	57.8
## 5546	Japan	392	1951	3.59200	53.6
## 5547	Japan	392	1952	3.43400	49.9
## 5548	Japan	392	1953	3.27600	46.6
## 5549	Japan	392	1954	3.11800	43.7
## 5550	Japan	392	1955	2.96000	41.4
## 5611	Jordan	400	1950	7.38000	183.6
## 5612	Jordan	400	1951	7.38000	174.1
## 5613	Jordan	400	1952	7.38000	164.9
## 5614	Jordan	400	1953	7.38000	156.3
## 5615	Jordan	400	1954	7.38000	148.0
## 5616	Jordan	400	1955	7.38000	140.5
## 5677	Kazakhstan	398	1950	4.25700	NA
## 5678	Kazakhstan	398	1951	4.28680	NA
## 5679	Kazakhstan	398	1952	4.31660	NA
## 5680	Kazakhstan	398	1953	4.34640	NA
## 5681	Kazakhstan	398	1954	4.37620	NA
## 5682	Kazakhstan	398	1955	4.40600	NA
## 5743	Kenya	404	1950	7.17700	NA
## 5744	Kenya	404	1951	7.23780	NA
## 5745	Kenya	404	1952	7.29860	180.7
## 5746	Kenya	404	1953	7.35940	170.3
## 5747	Kenya	404	1954	7.42020	160.6
## 5748	Kenya	404	1955	7.48100	151.7
## 5809	Kiribati	296	1950	5.60000	NA
## 5810	Kiribati	296	1951	5.70000	NA
## 5811	Kiribati	296	1952	5.80000	NA
## 5812	Kiribati	296	1953	5.90000	NA
## 5813	Kiribati	296	1954	6.00000	NA
## 5814	Kiribati	296	1955	6.10000	NA
## 5875	Korea, Dem. People\xa1\xafs Rep.	408	1950	1.80700	NA
## 5876	Korea, Dem. People\xa1\xafs Rep.	408	1951	2.13800	NA
## 5877	Korea, Dem. People\xa1\xafs Rep.	408	1952	2.46900	NA
## 5878	Korea, Dem. People\xa1\xafs Rep.	408	1953	2.80000	NA
## 5879	Korea, Dem. People\xa1\xafs Rep.	408	1954	3.13100	NA
## 5880	Korea, Dem. People\xa1\xafs Rep.	408	1955	3.46200	NA
## 5941	Korea, Rep.	410	1950	4.97400	NA
## 5942	Korea, Rep.	410	1951	5.10980	222.0
## 5943	Korea, Rep.	410	1952	5.24560	186.7
## 5944	Korea, Rep.	410	1953	5.38140	159.1
## 5945	Korea, Rep.	410	1954	5.51720	137.7
## 5946	Korea, Rep.	410	1955	5.65300	121.2
## 6007	Kuwait	414	1950	7.20000	NA
## 6008	Kuwait	414	1951	7.20000	NA



## 6009	Kuwait	414	1952	7.20000	NA
## 6010	Kuwait	414	1953	7.20000	NA
## 6011	Kuwait	414	1954	7.20000	NA
## 6012	Kuwait	414	1955	7.20000	NA
## 6073	Kyrgyz Republic	417	1950	3.52210	NA
## 6074	Kyrgyz Republic	417	1951	3.68982	NA
## 6075	Kyrgyz Republic	417	1952	3.85754	NA
## 6076	Kyrgyz Republic	417	1953	4.02526	NA
## 6077	Kyrgyz Republic	417	1954	4.19298	NA
## 6078	Kyrgyz Republic	417	1955	4.36070	NA
## 6139	Lao PDR	418	1950	5.93120	NA
## 6140	Lao PDR	418	1951	5.93360	NA
## 6141	Lao PDR	418	1952	5.93600	NA
## 6142	Lao PDR	418	1953	5.93840	NA
## 6143	Lao PDR	418	1954	5.94080	NA
## 6144	Lao PDR	418	1955	5.94320	NA
## 6205	Latvia	428	1950	2.05000	NA
## 6206	Latvia	428	1951	2.04000	NA
## 6207	Latvia	428	1952	2.03000	NA
## 6208	Latvia	428	1953	2.02000	NA
## 6209	Latvia	428	1954	2.01000	NA
## 6210	Latvia	428	1955	2.00000	NA
## 6271	Lebanon	422	1950	5.76000	NA
## 6272	Lebanon	422	1951	5.75600	NA
## 6273	Lebanon	422	1952	5.75200	NA
## 6274	Lebanon	422	1953	5.74800	NA
## 6275	Lebanon	422	1954	5.74400	NA
## 6276	Lebanon	422	1955	5.74000	NA
## 6337	Lesotho	426	1950	5.81900	NA
## 6338	Lesotho	426	1951	5.82320	NA
## 6339	Lesotho	426	1952	5.82740	171.3
## 6340	Lesotho	426	1953	5.83160	166.6
## 6341	Lesotho	426	1954	5.83580	162.0
## 6342	Lesotho	426	1955	5.84000	157.6
## 6403	Liberia	430	1950	6.19260	NA
## 6404	Liberia	430	1951	6.20836	NA
## 6405	Liberia	430	1952	6.22412	NA
## 6406	Liberia	430	1953	6.23988	NA
## 6407	Liberia	430	1954	6.25564	NA
## 6408	Liberia	430	1955	6.27140	NA
## 6469	Libya	434	1950	7.08680	NA
## 6470	Libya	434	1951	7.09812	NA
## 6471	Libya	434	1952	7.10944	NA
## 6472	Libya	434	1953	7.12076	NA
## 6473	Libya	434	1954	7.13208	NA
## 6474	Libya	434	1955	7.14340	NA
## 6535	Lithuania	440	1950	3.02000	NA
## 6536	Lithuania	440	1951	2.98400	NA
## 6537	Lithuania	440	1952	2.94800	NA
## 6538	Lithuania	440	1953	2.91200	NA
## 6539	Lithuania	440	1954	2.87600	NA
## 6540	Lithuania	440	1955	2.84000	NA
## 6601	Luxembourg	442	1950	1.73000	NA
## 6602	Luxembourg	442	1951	1.78000	NA

## 6603	Luxembourg	442	1952	1.83000	NA
## 6604	Luxembourg	442	1953	1.88000	NA
## 6605	Luxembourg	442	1954	1.93000	NA
## 6606	Luxembourg	442	1955	1.98000	NA
## 6667	Macao SAR, China	446	1950	3.96160	NA
## 6668	Macao SAR, China	446	1951	4.04644	NA
## 6669	Macao SAR, China	446	1952	4.13128	NA
## 6670	Macao SAR, China	446	1953	4.21612	NA
## 6671	Macao SAR, China	446	1954	4.30096	NA
## 6672	Macao SAR, China	446	1955	4.38580	NA
## 6733	Macedonia, FYR	807	1950	5.97150	NA
## 6734	Macedonia, FYR	807	1951	5.78864	NA
## 6735	Macedonia, FYR	807	1952	5.60578	NA
## 6736	Macedonia, FYR	807	1953	5.42292	NA
## 6737	Macedonia, FYR	807	1954	5.24006	NA
## 6738	Macedonia, FYR	807	1955	5.05720	NA
## 6799	Madagascar	450	1950	7.30000	NA
## 6800	Madagascar	450	1951	7.30000	NA
## 6801	Madagascar	450	1952	7.30000	NA
## 6802	Madagascar	450	1953	7.30000	NA
## 6803	Madagascar	450	1954	7.30000	NA
## 6804	Madagascar	450	1955	7.30000	NA
## 6865	Malawi	454	1950	6.80000	NA
## 6866	Malawi	454	1951	6.81000	NA
## 6867	Malawi	454	1952	6.82000	NA
## 6868	Malawi	454	1953	6.83000	NA
## 6869	Malawi	454	1954	6.84000	NA
## 6870	Malawi	454	1955	6.85000	NA
## 6931	Malaysia	458	1950	6.31830	NA
## 6932	Malaysia	458	1951	6.32438	NA
## 6933	Malaysia	458	1952	6.33046	NA
## 6934	Malaysia	458	1953	6.33654	NA
## 6935	Malaysia	458	1954	6.34262	NA
## 6936	Malaysia	458	1955	6.34870	NA
## 6997	Maldives	462	1950	5.24630	NA
## 6998	Maldives	462	1951	5.40302	NA
## 6999	Maldives	462	1952	5.55974	NA
## 7000	Maldives	462	1953	5.71646	NA
## 7001	Maldives	462	1954	5.87318	NA
## 7002	Maldives	462	1955	6.02990	NA
## 7063	Mali	466	1950	6.95000	NA
## 7064	Mali	466	1951	6.95000	NA
## 7065	Mali	466	1952	6.95000	NA
## 7066	Mali	466	1953	6.95000	NA
## 7067	Mali	466	1954	6.95000	NA
## 7068	Mali	466	1955	6.95000	NA
## 7129	Malta	470	1950	4.47200	NA
## 7130	Malta	470	1951	4.40480	NA
## 7131	Malta	470	1952	4.33760	NA
## 7132	Malta	470	1953	4.27040	NA
## 7133	Malta	470	1954	4.20320	51.1
## 7134	Malta	470	1955	4.13600	48.1
## 7195	Mauritania	478	1950	5.97030	161.9
## 7196	Mauritania	478	1951	6.04380	159.7

## 7197	Mauritania	478	1952	6.11730	157.3
## 7198	Mauritania	478	1953	6.19080	154.8
## 7199	Mauritania	478	1954	6.26430	152.1
## 7200	Mauritania	478	1955	6.33780	149.5
## 7261	Mauritius	480	1950	5.89500	NA
## 7262	Mauritius	480	1951	5.89500	NA
## 7263	Mauritius	480	1952	5.89500	NA
## 7264	Mauritius	480	1953	5.89500	NA
## 7265	Mauritius	480	1954	5.89500	NA
## 7266	Mauritius	480	1955	5.89500	NA
## 7327	Mexico	484	1950	6.72000	NA
## 7328	Mexico	484	1951	6.72600	NA
## 7329	Mexico	484	1952	6.73200	NA
## 7330	Mexico	484	1953	6.73800	NA
## 7331	Mexico	484	1954	6.74400	NA
## 7332	Mexico	484	1955	6.75000	NA
## 7393	Micronesia, Fed. Sts.	583	1950	7.40000	NA
## 7394	Micronesia, Fed. Sts.	583	1951	7.36000	NA
## 7395	Micronesia, Fed. Sts.	583	1952	7.32000	NA
## 7396	Micronesia, Fed. Sts.	583	1953	7.28000	NA
## 7397	Micronesia, Fed. Sts.	583	1954	7.24000	NA
## 7398	Micronesia, Fed. Sts.	583	1955	7.20000	NA
## 7459	Moldova	498	1950	3.56000	NA
## 7460	Moldova	498	1951	3.54800	NA
## 7461	Moldova	498	1952	3.53600	NA
## 7462	Moldova	498	1953	3.52400	NA
## 7463	Moldova	498	1954	3.51200	NA
## 7464	Moldova	498	1955	3.50000	NA
## 7525	Mongolia	496	1950	4.90000	NA
## 7526	Mongolia	496	1951	5.04000	NA
## 7527	Mongolia	496	1952	5.18000	NA
## 7528	Mongolia	496	1953	5.32000	NA
## 7529	Mongolia	496	1954	5.46000	NA
## 7530	Mongolia	496	1955	5.60000	NA
## 7591	Montenegro	499	1950	4.89780	NA
## 7592	Montenegro	499	1951	4.78752	NA
## 7593	Montenegro	499	1952	4.67724	NA
## 7594	Montenegro	499	1953	4.56696	NA
## 7595	Montenegro	499	1954	4.45668	NA
## 7596	Montenegro	499	1955	4.34640	NA
## 7657	Morocco	504	1950	6.32000	NA
## 7658	Morocco	504	1951	6.37760	NA
## 7659	Morocco	504	1952	6.43520	NA
## 7660	Morocco	504	1953	6.49280	NA
## 7661	Morocco	504	1954	6.55040	NA
## 7662	Morocco	504	1955	6.60800	NA
## 7723	Mozambique	508	1950	7.00000	NA
## 7724	Mozambique	508	1951	7.00000	NA
## 7725	Mozambique	508	1952	7.00000	NA
## 7726	Mozambique	508	1953	7.00000	NA
## 7727	Mozambique	508	1954	7.00000	NA
## 7728	Mozambique	508	1955	7.00000	NA
## 7789	Myanmar	104	1950	6.00000	NA
## 7790	Myanmar	104	1951	6.00000	NA

## 7791	Myanmar	104	1952	6.00000	NA
## 7792	Myanmar	104	1953	6.00000	NA
## 7793	Myanmar	104	1954	6.00000	NA
## 7794	Myanmar	104	1955	6.00000	NA
## 7855	Namibia	516	1950	5.90000	NA
## 7856	Namibia	516	1951	5.92000	NA
## 7857	Namibia	516	1952	5.94000	NA
## 7858	Namibia	516	1953	5.96000	NA
## 7859	Namibia	516	1954	5.98000	NA
## 7860	Namibia	516	1955	6.00000	NA
## 7921	Nepal	524	1950	5.95880	NA
## 7922	Nepal	524	1951	5.95880	NA
## 7923	Nepal	524	1952	5.95880	NA
## 7924	Nepal	524	1953	5.95880	NA
## 7925	Nepal	524	1954	5.95880	NA
## 7926	Nepal	524	1955	5.95880	NA
## 7987	Netherlands	528	1950	3.00740	25.0
## 7988	Netherlands	528	1951	3.01640	23.9
## 7989	Netherlands	528	1952	3.02540	22.8
## 7990	Netherlands	528	1953	3.03440	21.7
## 7991	Netherlands	528	1954	3.04340	20.7
## 7992	Netherlands	528	1955	3.05240	19.8
## 8053	New Caledonia	540	1950	5.22310	NA
## 8054	New Caledonia	540	1951	5.22310	NA
## 8055	New Caledonia	540	1952	5.22310	NA
## 8056	New Caledonia	540	1953	5.22310	NA
## 8057	New Caledonia	540	1954	5.22310	NA
## 8058	New Caledonia	540	1955	5.22310	NA
## 8119	New Zealand	554	1950	3.30600	28.5
## 8120	New Zealand	554	1951	3.38240	28.0
## 8121	New Zealand	554	1952	3.45880	27.3
## 8122	New Zealand	554	1953	3.53520	26.6
## 8123	New Zealand	554	1954	3.61160	25.9
## 8124	New Zealand	554	1955	3.68800	25.2
## 8185	Nicaragua	558	1950	6.89990	NA
## 8186	Nicaragua	558	1951	6.95992	NA
## 8187	Nicaragua	558	1952	7.01994	NA
## 8188	Nicaragua	558	1953	7.07996	NA
## 8189	Nicaragua	558	1954	7.13998	NA
## 8190	Nicaragua	558	1955	7.20000	141.3
## 8251	Niger	562	1950	7.20000	NA
## 8252	Niger	562	1951	7.22000	NA
## 8253	Niger	562	1952	7.24000	NA
## 8254	Niger	562	1953	7.26000	NA
## 8255	Niger	562	1954	7.28000	NA
## 8256	Niger	562	1955	7.30000	NA
## 8317	Nigeria	566	1950	6.35440	NA
## 8318	Nigeria	566	1951	6.35440	NA
## 8319	Nigeria	566	1952	6.35440	NA
## 8320	Nigeria	566	1953	6.35440	NA
## 8321	Nigeria	566	1954	6.35440	NA
## 8322	Nigeria	566	1955	6.35440	NA
## 8383	Norway	578	1950	2.36700	26.9
## 8384	Norway	578	1951	2.41400	25.2

## 8385	Norway	578	1952	2.46100	23.7
## 8386	Norway	578	1953	2.50800	22.5
## 8387	Norway	578	1954	2.55500	21.7
## 8388	Norway	578	1955	2.60200	21.0
## 8449	Oman	512	1950	7.25200	NA
## 8450	Oman	512	1951	7.25200	NA
## 8451	Oman	512	1952	7.25200	NA
## 8452	Oman	512	1953	7.25200	NA
## 8453	Oman	512	1954	7.25200	NA
## 8454	Oman	512	1955	7.25200	NA
## 8515	Pakistan	586	1950	6.60000	NA
## 8516	Pakistan	586	1951	6.60000	286.7
## 8517	Pakistan	586	1952	6.60000	273.2
## 8518	Pakistan	586	1953	6.60000	260.2
## 8519	Pakistan	586	1954	6.60000	248.0
## 8520	Pakistan	586	1955	6.60000	236.8
## 8581	Panama	591	1950	5.65570	NA
## 8582	Panama	591	1951	5.67738	84.1
## 8583	Panama	591	1952	5.69906	81.9
## 8584	Panama	591	1953	5.72074	79.8
## 8585	Panama	591	1954	5.74242	77.7
## 8586	Panama	591	1955	5.76410	75.7
## 8647	Papua New Guinea	598	1950	6.21700	NA
## 8648	Papua New Guinea	598	1951	6.22120	NA
## 8649	Papua New Guinea	598	1952	6.22540	NA
## 8650	Papua New Guinea	598	1953	6.22960	NA
## 8651	Papua New Guinea	598	1954	6.23380	NA
## 8652	Papua New Guinea	598	1955	6.23800	155.6
## 8713	Paraguay	600	1950	6.50000	NA
## 8714	Paraguay	600	1951	6.50000	NA
## 8715	Paraguay	600	1952	6.50000	NA
## 8716	Paraguay	600	1953	6.50000	NA
## 8717	Paraguay	600	1954	6.50000	NA
## 8718	Paraguay	600	1955	6.50000	NA
## 8779	Peru	604	1950	6.95000	NA
## 8780	Peru	604	1951	6.95000	NA
## 8781	Peru	604	1952	6.95000	174.6
## 8782	Peru	604	1953	6.95000	168.1
## 8783	Peru	604	1954	6.95000	162.0
## 8784	Peru	604	1955	6.95000	156.2
## 8845	Philippines	608	1950	7.57100	NA
## 8846	Philippines	608	1951	7.54082	NA
## 8847	Philippines	608	1952	7.51064	NA
## 8848	Philippines	608	1953	7.48046	87.5
## 8849	Philippines	608	1954	7.45028	84.3
## 8850	Philippines	608	1955	7.42010	81.1
## 8911	Poland	616	1950	3.79060	NA
## 8912	Poland	616	1951	3.75852	NA
## 8913	Poland	616	1952	3.72644	NA
## 8914	Poland	616	1953	3.69436	NA
## 8915	Poland	616	1954	3.66228	NA
## 8916	Poland	616	1955	3.63020	NA
## 8977	Portugal	620	1950	3.07600	NA
## 8978	Portugal	620	1951	3.08056	NA

## 8979	Portugal	620	1952	3.08512	NA
## 8980	Portugal	620	1953	3.08968	NA
## 8981	Portugal	620	1954	3.09424	90.3
## 8982	Portugal	620	1955	3.09880	89.0
## 9043	Qatar	634	1950	6.97000	NA
## 9044	Qatar	634	1951	6.97000	NA
## 9045	Qatar	634	1952	6.97000	NA
## 9046	Qatar	634	1953	6.97000	NA
## 9047	Qatar	634	1954	6.97000	NA
## 9048	Qatar	634	1955	6.97000	NA
## 9109	Romania	642	1950	3.38420	NA
## 9110	Romania	642	1951	3.31928	NA
## 9111	Romania	642	1952	3.25436	NA
## 9112	Romania	642	1953	3.18944	NA
## 9113	Romania	642	1954	3.12452	NA
## 9114	Romania	642	1955	3.05960	NA
## 9175	Russian Federation	643	1950	2.88000	NA
## 9176	Russian Federation	643	1951	2.87400	NA
## 9177	Russian Federation	643	1952	2.86800	NA
## 9178	Russian Federation	643	1953	2.86200	NA
## 9179	Russian Federation	643	1954	2.85600	NA
## 9180	Russian Federation	643	1955	2.85000	NA
## 9241	Rwanda	646	1950	7.85000	NA
## 9242	Rwanda	646	1951	7.88000	NA
## 9243	Rwanda	646	1952	7.91000	NA
## 9244	Rwanda	646	1953	7.94000	NA
## 9245	Rwanda	646	1954	7.97000	NA
## 9246	Rwanda	646	1955	8.00000	NA
## 9307	Samoa	882	1950	7.62970	NA
## 9308	Samoa	882	1951	7.62970	NA
## 9309	Samoa	882	1952	7.62970	NA
## 9310	Samoa	882	1953	7.62970	NA
## 9311	Samoa	882	1954	7.62970	NA
## 9312	Samoa	882	1955	7.62970	NA
## 9373	Sao Tome and Principe	678	1950	6.20000	NA
## 9374	Sao Tome and Principe	678	1951	6.20000	NA
## 9375	Sao Tome and Principe	678	1952	6.20000	NA
## 9376	Sao Tome and Principe	678	1953	6.20000	NA
## 9377	Sao Tome and Principe	678	1954	6.20000	NA
## 9378	Sao Tome and Principe	678	1955	6.20000	NA
## 9439	Saudi Arabia	682	1950	7.17500	NA
## 9440	Saudi Arabia	682	1951	7.17500	NA
## 9441	Saudi Arabia	682	1952	7.17500	NA
## 9442	Saudi Arabia	682	1953	7.17500	NA
## 9443	Saudi Arabia	682	1954	7.17500	NA
## 9444	Saudi Arabia	682	1955	7.17500	NA
## 9505	Senegal	686	1950	6.70000	142.3
## 9506	Senegal	686	1951	6.72000	140.2
## 9507	Senegal	686	1952	6.74000	138.1
## 9508	Senegal	686	1953	6.76000	136.0
## 9509	Senegal	686	1954	6.78000	134.0
## 9510	Senegal	686	1955	6.80000	132.0
## 9571	Serbia	688	1950	3.87000	NA
## 9572	Serbia	688	1951	3.74000	NA

## 9573	Serbia	688	1952	3.61000	NA
## 9574	Serbia	688	1953	3.48000	NA
## 9575	Serbia	688	1954	3.35000	NA
## 9576	Serbia	688	1955	3.22000	NA
## 9637	Seychelles	690	1950	5.00000	83.7
## 9638	Seychelles	690	1951	5.00000	83.0
## 9639	Seychelles	690	1952	5.00000	82.2
## 9640	Seychelles	690	1953	5.00000	81.3
## 9641	Seychelles	690	1954	5.00000	80.3
## 9642	Seychelles	690	1955	5.00000	79.2
## 9703	Sierra Leone	694	1950	6.02970	NA
## 9704	Sierra Leone	694	1951	6.02970	NA
## 9705	Sierra Leone	694	1952	6.02970	NA
## 9706	Sierra Leone	694	1953	6.02970	NA
## 9707	Sierra Leone	694	1954	6.02970	NA
## 9708	Sierra Leone	694	1955	6.02970	NA
## 9769	Singapore	702	1950	6.88500	NA
## 9770	Singapore	702	1951	6.83000	NA
## 9771	Singapore	702	1952	6.77500	NA
## 9772	Singapore	702	1953	6.72000	NA
## 9773	Singapore	702	1954	6.66500	54.1
## 9774	Singapore	702	1955	6.61000	50.5
## 9835	Slovak Republic	703	1950	3.76170	NA
## 9836	Slovak Republic	703	1951	3.70980	NA
## 9837	Slovak Republic	703	1952	3.65790	NA
## 9838	Slovak Republic	703	1953	3.60600	NA
## 9839	Slovak Republic	703	1954	3.55410	NA
## 9840	Slovak Republic	703	1955	3.50220	NA
## 9901	Slovenia	705	1950	2.97670	NA
## 9902	Slovenia	705	1951	2.91736	NA
## 9903	Slovenia	705	1952	2.85802	NA
## 9904	Slovenia	705	1953	2.79868	NA
## 9905	Slovenia	705	1954	2.73934	NA
## 9906	Slovenia	705	1955	2.68000	NA
## 9967	Solomon Islands	90	1950	6.40000	NA
## 9968	Solomon Islands	90	1951	6.40000	NA
## 9969	Solomon Islands	90	1952	6.40000	NA
## 9970	Solomon Islands	90	1953	6.40000	NA
## 9971	Solomon Islands	90	1954	6.40000	NA
## 9972	Solomon Islands	90	1955	6.40000	NA
## 10033	Somalia	706	1950	7.25000	NA
## 10034	Somalia	706	1951	7.25000	NA
## 10035	Somalia	706	1952	7.25000	NA
## 10036	Somalia	706	1953	7.25000	NA
## 10037	Somalia	706	1954	7.25000	NA
## 10038	Somalia	706	1955	7.25000	NA
## 10099	South Africa	710	1950	6.05000	NA
## 10100	South Africa	710	1951	6.05000	NA
## 10101	South Africa	710	1952	6.05000	NA
## 10102	South Africa	710	1953	6.05000	NA
## 10103	South Africa	710	1954	6.05000	NA
## 10104	South Africa	710	1955	6.05000	NA
## 10165	Spain	724	1950	2.36000	90.5
## 10166	Spain	724	1951	2.39400	80.7

## 10167	Spain	724	1952	2.42800	73.0
## 10168	Spain	724	1953	2.46200	67.4
## 10169	Spain	724	1954	2.49600	64.0
## 10170	Spain	724	1955	2.53000	61.9
## 10231	Sri Lanka	144	1950	5.80000	NA
## 10232	Sri Lanka	144	1951	5.80000	94.3
## 10233	Sri Lanka	144	1952	5.80000	92.6
## 10234	Sri Lanka	144	1953	5.80000	90.9
## 10235	Sri Lanka	144	1954	5.80000	89.1
## 10236	Sri Lanka	144	1955	5.80000	87.0
## 10297	St. Lucia	662	1950	5.06200	NA
## 10298	St. Lucia	662	1951	5.24960	NA
## 10299	St. Lucia	662	1952	5.43720	NA
## 10300	St. Lucia	662	1953	5.62480	NA
## 10301	St. Lucia	662	1954	5.81240	NA
## 10302	St. Lucia	662	1955	6.00000	NA
## 10363	St. Vincent and the Grenadines	670	1950	7.33000	NA
## 10364	St. Vincent and the Grenadines	670	1951	7.33000	NA
## 10365	St. Vincent and the Grenadines	670	1952	7.33000	NA
## 10366	St. Vincent and the Grenadines	670	1953	7.33000	NA
## 10367	St. Vincent and the Grenadines	670	1954	7.33000	NA
## 10368	St. Vincent and the Grenadines	670	1955	7.33000	NA
## 10429	Sudan	729	1950	6.65000	NA
## 10430	Sudan	729	1951	6.65000	NA
## 10431	Sudan	729	1952	6.65000	NA
## 10432	Sudan	729	1953	6.65000	120.7
## 10433	Sudan	729	1954	6.65000	118.7
## 10434	Sudan	729	1955	6.65000	116.8
## 10495	Suriname	740	1950	6.56000	NA
## 10496	Suriname	740	1951	6.56000	NA
## 10497	Suriname	740	1952	6.56000	NA
## 10498	Suriname	740	1953	6.56000	NA
## 10499	Suriname	740	1954	6.56000	NA
## 10500	Suriname	740	1955	6.56000	NA
## 10561	Swaziland	748	1950	6.70000	160.1
## 10562	Swaziland	748	1951	6.70000	157.8
## 10563	Swaziland	748	1952	6.70000	155.9
## 10564	Swaziland	748	1953	6.70000	154.3
## 10565	Swaziland	748	1954	6.70000	152.3
## 10566	Swaziland	748	1955	6.70000	150.5
## 10627	Sweden	752	1950	2.22740	22.1
## 10628	Sweden	752	1951	2.22936	21.0
## 10629	Sweden	752	1952	2.23132	20.0
## 10630	Sweden	752	1953	2.23328	19.1
## 10631	Sweden	752	1954	2.23524	18.4
## 10632	Sweden	752	1955	2.23720	17.8
## 10693	Switzerland	756	1950	2.22900	31.3
## 10694	Switzerland	756	1951	2.24522	30.2
## 10695	Switzerland	756	1952	2.26144	29.1
## 10696	Switzerland	756	1953	2.27766	28.1
## 10697	Switzerland	756	1954	2.29388	27.0
## 10698	Switzerland	756	1955	2.31010	25.8
## 10759	Syrian Arab Republic	760	1950	7.07850	NA
## 10760	Syrian Arab Republic	760	1951	7.10820	NA



## 10761	Syrian Arab Republic	760	1952	7.13790	NA
## 10762	Syrian Arab Republic	760	1953	7.16760	178.6
## 10763	Syrian Arab Republic	760	1954	7.19730	168.5
## 10764	Syrian Arab Republic	760	1955	7.22700	159.1
## 10825	Tajikistan	762	1950	4.60100	NA
## 10826	Tajikistan	762	1951	4.76080	NA
## 10827	Tajikistan	762	1952	4.92060	NA
## 10828	Tajikistan	762	1953	5.08040	NA
## 10829	Tajikistan	762	1954	5.24020	NA
## 10830	Tajikistan	762	1955	5.40000	NA
## 10891	Tanzania	834	1950	6.67900	NA
## 10892	Tanzania	834	1951	6.69120	154.5
## 10893	Tanzania	834	1952	6.70340	153.2
## 10894	Tanzania	834	1953	6.71560	152.1
## 10895	Tanzania	834	1954	6.72780	151.0
## 10896	Tanzania	834	1955	6.74000	149.9
## 10957	Thailand	764	1950	6.13780	140.7
## 10958	Thailand	764	1951	6.13780	136.1
## 10959	Thailand	764	1952	6.13780	131.8
## 10960	Thailand	764	1953	6.13780	127.5
## 10961	Thailand	764	1954	6.13780	123.4
## 10962	Thailand	764	1955	6.13780	119.5
## 11023	Timor-Leste	626	1950	6.52900	NA
## 11024	Timor-Leste	626	1951	6.51140	NA
## 11025	Timor-Leste	626	1952	6.49380	NA
## 11026	Timor-Leste	626	1953	6.47620	NA
## 11027	Timor-Leste	626	1954	6.45860	NA
## 11028	Timor-Leste	626	1955	6.44100	NA
## 11089	Togo	768	1950	6.24710	193.4
## 11090	Togo	768	1951	6.26456	190.1
## 11091	Togo	768	1952	6.28202	186.9
## 11092	Togo	768	1953	6.29948	183.8
## 11093	Togo	768	1954	6.31694	180.7
## 11094	Togo	768	1955	6.33440	177.7
## 11155	Tonga	776	1950	7.30000	NA
## 11156	Tonga	776	1951	7.30000	NA
## 11157	Tonga	776	1952	7.30000	NA
## 11158	Tonga	776	1953	7.30000	NA
## 11159	Tonga	776	1954	7.30000	NA
## 11160	Tonga	776	1955	7.30000	NA
## 11221	Trinidad and Tobago	780	1950	5.30000	NA
## 11222	Trinidad and Tobago	780	1951	5.30000	NA
## 11223	Trinidad and Tobago	780	1952	5.30000	NA
## 11224	Trinidad and Tobago	780	1953	5.30000	71.0
## 11225	Trinidad and Tobago	780	1954	5.30000	68.8
## 11226	Trinidad and Tobago	780	1955	5.30000	66.7
## 11287	Tunisia	788	1950	6.45000	NA
## 11288	Tunisia	788	1951	6.49000	NA
## 11289	Tunisia	788	1952	6.53000	NA
## 11290	Tunisia	788	1953	6.57000	NA
## 11291	Tunisia	788	1954	6.61000	NA
## 11292	Tunisia	788	1955	6.65000	NA
## 11353	Turkey	792	1950	6.87590	NA
## 11354	Turkey	792	1951	6.83790	NA

## 11355	Turkey	792	1952	6.79990	NA
## 11356	Turkey	792	1953	6.76190	191.4
## 11357	Turkey	792	1954	6.72390	188.0
## 11358	Turkey	792	1955	6.68590	184.6
## 11419	Turkmenistan	795	1950	4.40000	NA
## 11420	Turkmenistan	795	1951	4.58000	NA
## 11421	Turkmenistan	795	1952	4.76000	NA
## 11422	Turkmenistan	795	1953	4.94000	NA
## 11423	Turkmenistan	795	1954	5.12000	NA
## 11424	Turkmenistan	795	1955	5.30000	NA
## 11485	Uganda	800	1950	6.85000	NA
## 11486	Uganda	800	1951	6.86000	NA
## 11487	Uganda	800	1952	6.87000	NA
## 11488	Uganda	800	1953	6.88000	NA
## 11489	Uganda	800	1954	6.89000	151.8
## 11490	Uganda	800	1955	6.90000	148.3
## 11551	Ukraine	804	1950	2.92000	NA
## 11552	Ukraine	804	1951	2.89800	NA
## 11553	Ukraine	804	1952	2.87600	NA
## 11554	Ukraine	804	1953	2.85400	NA
## 11555	Ukraine	804	1954	2.83200	NA
## 11556	Ukraine	804	1955	2.81000	NA
## 11617	United Arab Emirates	784	1950	6.97000	NA
## 11618	United Arab Emirates	784	1951	6.97000	NA
## 11619	United Arab Emirates	784	1952	6.97000	NA
## 11620	United Arab Emirates	784	1953	6.97000	NA
## 11621	United Arab Emirates	784	1954	6.97000	NA
## 11622	United Arab Emirates	784	1955	6.97000	NA
## 11683	United Kingdom	826	1950	1.87000	31.6
## 11684	United Kingdom	826	1951	1.93200	30.3
## 11685	United Kingdom	826	1952	1.99400	29.0
## 11686	United Kingdom	826	1953	2.05600	27.7
## 11687	United Kingdom	826	1954	2.11800	26.6
## 11688	United Kingdom	826	1955	2.18000	25.5
## 11749	United States	840	1950	3.03990	32.5
## 11750	United States	840	1951	3.09412	31.6
## 11751	United States	840	1952	3.14834	30.7
## 11752	United States	840	1953	3.20256	29.9
## 11753	United States	840	1954	3.25678	29.1
## 11754	United States	840	1955	3.31100	28.5
## 11815	Uruguay	858	1950	2.63000	NA
## 11816	Uruguay	858	1951	2.65000	NA
## 11817	Uruguay	858	1952	2.67000	NA
## 11818	Uruguay	858	1953	2.69000	NA
## 11819	Uruguay	858	1954	2.71000	53.3
## 11820	Uruguay	858	1955	2.73000	54.9
## 11881	Uzbekistan	860	1950	4.70000	NA
## 11882	Uzbekistan	860	1951	4.82000	NA
## 11883	Uzbekistan	860	1952	4.94000	NA
## 11884	Uzbekistan	860	1953	5.06000	NA
## 11885	Uzbekistan	860	1954	5.18000	NA
## 11886	Uzbekistan	860	1955	5.30000	NA
## 11947	Vanuatu	548	1950	7.85000	NA
## 11948	Vanuatu	548	1951	7.80000	NA

## 11949	Vanuatu	548	1952	7.75000	123.5		
## 11950	Vanuatu	548	1953	7.70000	121.5		
## 11951	Vanuatu	548	1954	7.65000	119.3		
## 11952	Vanuatu	548	1955	7.60000	117.2		
## 12013	Venezuela, RB	862	1950	6.45850	NA		
## 12014	Venezuela, RB	862	1951	6.45850	85.5		
## 12015	Venezuela, RB	862	1952	6.45850	81.8		
## 12016	Venezuela, RB	862	1953	6.45850	78.4		
## 12017	Venezuela, RB	862	1954	6.45850	75.2		
## 12018	Venezuela, RB	862	1955	6.45850	72.1		
## 12079	Vietnam	704	1950	4.63360	NA		
## 12080	Vietnam	704	1951	4.78660	NA		
## 12081	Vietnam	704	1952	4.93960	NA		
## 12082	Vietnam	704	1953	5.09260	NA		
## 12083	Vietnam	704	1954	5.24560	NA		
## 12084	Vietnam	704	1955	5.39860	NA		
## 12145	Zambia	894	1950	6.45000	NA		
## 12146	Zambia	894	1951	6.50000	NA		
## 12147	Zambia	894	1952	6.55000	NA		
## 12148	Zambia	894	1953	6.60000	140.7		
## 12149	Zambia	894	1954	6.65000	137.9		
## 12150	Zambia	894	1955	6.70000	135.5		
## 12211	Zimbabwe	716	1950	6.60000	NA		
## 12212	Zimbabwe	716	1951	6.64000	NA		
## 12213	Zimbabwe	716	1952	6.68000	NA		
## 12214	Zimbabwe	716	1953	6.72000	109.2		
## 12215	Zimbabwe	716	1954	6.76000	106.8		
## 12216	Zimbabwe	716	1955	6.80000	104.3		
## 12277	Taiwan	158	1950	7.30170	NA		
## 12278	Taiwan	158	1951	7.18536	NA		
## 12279	Taiwan	158	1952	7.06902	NA		
## 12280	Taiwan	158	1953	6.95268	NA		
## 12281	Taiwan	158	1954	6.83634	NA		
## 12282	Taiwan	158	1955	6.72000	NA		
##	InfMRateUN	U5MRateCME	U5MRateUN	LifeExpB	MtoFbirth	MtoF04	Pop1564
## 1	304.5940	NA	438.01026	26.0690	1.0600	0.9523352	56.08875
## 2	299.6836	NA	431.60647	26.5736	1.0600	0.9524428	55.82908
## 3	294.7732	NA	425.20268	27.0782	1.0600	0.9728808	55.74039
## 4	289.8628	NA	418.79889	27.5828	1.0600	0.9952082	55.71038
## 5	284.9524	NA	412.39510	28.0874	1.0600	1.0122050	55.71779
## 6	280.0420	NA	405.99131	28.5920	1.0600	1.0222970	55.68319
## 67	164.7810	NA	221.93955	51.2090	1.0700	1.0817600	54.86936
## 68	160.7898	NA	216.34743	52.0186	1.0700	1.0696510	54.85625
## 69	156.7986	NA	210.75531	52.8282	1.0700	1.0597530	54.86322
## 70	152.8074	NA	205.16318	53.6378	1.0700	1.0525170	55.11869
## 71	148.8162	NA	199.57106	54.4474	1.0700	1.0480860	55.09761
## 72	144.8250	NA	193.97894	55.2570	1.0700	1.0458970	55.21127
## 133	172.4930	NA	301.27436	40.7720	1.0500	1.0393590	55.83230
## 134	170.5958	NA	296.64581	41.1948	1.0500	1.0406270	55.46460
## 135	168.6986	NA	292.01725	41.6176	1.0500	1.0385360	54.91536
## 136	166.8014	NA	287.38870	42.0404	1.0500	1.0368120	54.46523
## 137	164.9042	251.0	282.76015	42.4632	1.0500	1.0363610	54.19355
## 138	163.0070	249.9	278.13160	42.8860	1.0500	1.0371250	53.98779
## 199	228.1940	NA	378.33264	28.0100	1.0200	0.9938397	55.70608

## 200	226.4392	NA	375.60529	28.4086	1.0200	0.9911078	55.32778
## 201	224.6844	NA	372.87795	28.8072	1.0200	0.9855512	54.90066
## 202	222.9296	NA	370.15060	29.2058	1.0200	0.9810417	54.63003
## 203	221.1748	NA	367.42325	29.6044	1.0200	0.9783223	54.57052
## 204	219.4200	NA	364.69591	30.0030	1.0200	0.9771931	54.51331
## 265	110.3930	NA	136.94855	56.1160	1.0300	1.0557290	57.21907
## 266	106.9108	NA	132.57811	56.5986	1.0300	1.0718670	57.09436
## 267	103.4286	NA	128.20768	57.0812	1.0300	1.0581110	56.96474
## 268	99.9464	NA	123.83724	57.5638	1.0300	1.0363270	57.00501
## 269	96.4642	NA	119.46681	58.0464	1.0300	1.0135530	57.18848
## 270	92.9820	NA	115.09637	58.5290	1.0300	0.9905593	57.42525
## 331	71.4380	NA	91.62852	60.5410	1.0400	1.0392650	65.27697
## 332	70.3296	NA	90.02657	60.9416	1.0400	1.0384370	65.06540
## 333	69.2212	NA	88.42462	61.3422	1.0400	1.0353840	64.87742
## 334	68.1128	NA	86.82267	61.7428	1.0400	1.0326420	64.68393
## 335	67.0044	NA	85.22071	62.1434	1.0400	1.0310800	64.51370
## 336	65.8960	NA	83.61876	62.5440	1.0400	1.0307040	64.35816
## 397	87.9860	NA	104.32720	60.7080	1.0620	0.9447197	58.38877
## 398	86.9852	NA	102.75405	61.1288	1.0618	0.9729779	58.64064
## 399	85.9844	NA	101.18091	61.5496	1.0616	1.0057870	59.43662
## 400	84.9836	NA	99.60776	61.9704	1.0614	1.0331570	60.01367
## 401	83.9828	NA	98.03461	62.3912	1.0612	1.0494930	60.29120
## 402	82.9820	NA	96.46147	62.8120	1.0610	1.0557870	59.94882
## 463	86.3870	NA	122.34937	56.4940	1.0500	0.9722385	47.36842
## 464	82.9212	NA	116.91157	57.2826	1.0500	0.9872575	46.15385
## 465	79.4554	NA	111.47376	58.0712	1.0500	1.0045270	46.15385
## 466	75.9896	NA	106.03596	58.8598	1.0500	1.0180570	50.00000
## 467	72.5238	NA	100.59815	59.6484	1.0500	1.0270630	48.78049
## 468	69.0580	NA	95.16035	60.4370	1.0500	1.0331490	48.83721
## 529	25.9960	31.6	33.47235	68.3670	1.0480	1.0490080	65.21952
## 530	25.5338	31.0	32.75622	68.5798	1.0488	1.0503690	64.58358
## 531	25.0716	30.3	32.04009	68.7926	1.0496	1.0498740	64.10108
## 532	24.6094	29.5	31.32396	69.0054	1.0504	1.0490410	63.58689
## 533	24.1472	28.7	30.60783	69.2182	1.0512	1.0482250	63.05047
## 534	23.6850	28.0	29.89170	69.4310	1.0520	1.0473390	62.56377
## 595	63.8550	NA	73.85637	64.5960	1.0550	1.0479440	66.83968
## 596	61.7106	NA	71.33894	64.9278	1.0550	1.0491940	66.66667
## 597	59.5662	NA	68.82152	65.2596	1.0550	1.0476750	66.56083
## 598	57.4218	NA	66.30409	65.5914	1.0550	1.0458360	66.45990
## 599	55.2774	55.0	63.78666	65.9232	1.0550	1.0445450	66.35447
## 600	53.1330	53.4	61.26923	66.2550	1.0550	1.0437290	66.28292
## 661	124.9980	NA	187.84963	55.9120	1.0620	1.0924240	60.77348
## 662	123.9972	NA	185.10918	56.3214	1.0620	1.0673380	61.01180
## 663	122.9964	NA	182.36872	56.7308	1.0620	1.0554310	61.74056
## 664	121.9956	NA	179.62827	57.1402	1.0620	1.0506300	61.99745
## 665	120.9948	NA	176.88781	57.5496	1.0620	1.0498670	62.08178
## 666	119.9940	NA	174.14736	57.9590	1.0620	1.0493140	61.53846
## 727	82.8370	NA	114.16638	58.0610	1.0570	0.9840434	55.69620
## 728	80.3822	NA	110.92092	58.4538	1.0570	0.9830949	55.00000
## 729	77.9274	NA	107.67546	58.8466	1.0570	0.9899138	56.09756
## 730	75.4726	NA	104.43000	59.2394	1.0570	0.9959987	57.14286
## 731	73.0178	NA	101.18454	59.6322	1.0570	1.0009280	55.81395
## 732	70.5630	NA	97.93908	60.0250	1.0570	1.0079800	55.68182
## 793	197.8080	NA	307.09572	37.4940	1.0500	1.0349920	55.65217

## 794	192.6826	NA	299.17801	38.5924	1.0500	1.0070210	54.70085
## 795	187.5572	NA	291.26030	39.6908	1.0500	0.9877751	54.16667
## 796	182.4318	NA	283.34259	40.7892	1.0500	0.9790924	53.22581
## 797	177.3064	NA	275.42488	41.8876	1.0500	0.9779088	54.68750
## 798	172.1810	NA	267.50717	42.9860	1.0500	0.9818214	54.88722
## 859	251.8050	NA	373.42880	37.1190	1.0490	1.0328460	54.83718
## 860	245.5228	NA	364.37795	37.8296	1.0490	1.0289080	54.94355
## 861	239.2406	NA	355.32710	38.5402	1.0490	1.0237630	55.18953
## 862	232.9584	322.9	346.27625	39.2508	1.0490	1.0199320	55.47367
## 863	226.6762	313.1	337.22540	39.9614	1.0490	1.0180500	55.71290
## 864	220.3940	304.1	328.17455	40.6720	1.0490	1.0177000	55.90428
## 925	99.4170	NA	142.56753	54.6210	1.0360	1.0000000	61.13744
## 926	96.6338	NA	138.19203	55.1396	1.0360	1.0010920	60.00000
## 927	93.8506	NA	133.81654	55.6582	1.0360	1.0014730	59.81735
## 928	91.0674	NA	129.44104	56.1768	1.0360	1.0034610	60.53812
## 929	88.2842	168.8	125.06554	56.6954	1.0360	1.0025060	57.77778
## 930	85.5010	145.5	120.69004	57.2140	1.0360	0.9931622	56.82819
## 991	134.7120	NA	184.39182	55.0780	1.0670	1.0253310	65.02260
## 992	126.8944	NA	173.04977	56.2012	1.0670	1.0291750	65.18528
## 993	119.0768	NA	161.70772	57.3244	1.0670	1.0412920	65.62054
## 994	111.2592	NA	150.36567	58.4476	1.0670	1.0533080	66.02796
## 995	103.4416	NA	139.02361	59.5708	1.0670	1.0613920	66.12945
## 996	95.6240	NA	127.68156	60.6940	1.0670	1.0643360	65.96181
## 1057	55.0640	NA	62.90850	65.8200	1.0570	1.0396200	68.05749
## 1058	53.0104	NA	60.56344	66.1746	1.0572	1.0394600	67.72743
## 1059	50.9568	NA	58.21837	66.5292	1.0574	1.0412020	67.56478
## 1060	48.9032	51.2	55.87331	66.8838	1.0576	1.0432350	67.31274
## 1061	46.8496	48.3	53.52824	67.2384	1.0578	1.0448880	66.87075
## 1062	44.7960	45.5	51.18317	67.5930	1.0580	1.0459540	66.35103
## 1123	111.7510	NA	152.81263	53.1900	1.0300	1.0099960	56.52174
## 1124	109.4298	NA	149.42688	53.7354	1.0300	1.0156930	56.33803
## 1125	107.1086	NA	146.04114	54.2808	1.0300	1.0138910	56.16438
## 1126	104.7874	NA	142.65539	54.8262	1.0300	1.0124270	54.66667
## 1127	102.4662	NA	139.26965	55.3716	1.0300	1.0120300	52.56410
## 1128	100.1450	NA	135.88390	55.9170	1.0300	1.0129890	52.50000
## 1189	226.5720	348.2	375.28217	31.2880	1.0410	0.8717218	57.07317
## 1190	223.1340	345.1	369.94169	31.7728	1.0410	0.8920923	56.77591
## 1191	219.6960	342.1	364.60121	32.2576	1.0410	0.9284539	56.62544
## 1192	216.2580	339.0	359.26073	32.7424	1.0410	0.9610549	56.64028
## 1193	212.8200	335.9	353.92025	33.2272	1.0410	0.9830326	56.62440
## 1194	209.3820	332.7	348.57977	33.7120	1.0410	0.9949061	56.88233
## 1255	266.9770	NA	380.89560	27.6330	1.0400	1.0441830	54.23729
## 1256	262.8368	NA	376.81682	28.0100	1.0400	1.0382300	54.39560
## 1257	258.6966	NA	372.73805	28.3870	1.0400	1.0321530	53.76344
## 1258	254.5564	NA	368.65927	28.7640	1.0400	1.0271320	55.26316
## 1259	250.4162	NA	364.58049	29.1410	1.0400	1.0237700	56.12245
## 1260	246.2760	NA	360.50172	29.5180	1.0400	1.0218970	57.00000
## 1321	180.3630	NA	313.68535	38.6540	1.0500	1.0328850	54.33657
## 1322	178.8518	NA	310.57728	38.9276	1.0500	1.0271640	54.10828
## 1323	177.3406	NA	307.46922	39.2012	1.0500	1.0194800	53.61729
## 1324	175.8294	NA	304.36115	39.4748	1.0500	1.0132360	53.26355
## 1325	174.3182	NA	301.25309	39.7484	1.0500	1.0093950	53.17604
## 1326	172.8070	NA	298.14502	40.0220	1.0500	1.0077260	53.19465
## 1387	241.4580	NA	258.88925	48.8730	1.0650	1.0290290	58.26446

## 1388	230.8844	NA	247.70814	49.8322	1.0650	1.0398350	58.48708
## 1389	220.3108	NA	236.52702	50.7914	1.0650	1.0481690	59.04486
## 1390	209.7372	NA	225.34591	51.7506	1.0650	1.0542120	59.50355
## 1391	199.1636	NA	214.16480	52.7098	1.0650	1.0577400	59.75652
## 1392	188.5900	NA	202.98368	53.6690	1.0650	1.0594860	59.89086
## 1453	146.4470	NA	220.09253	45.6360	1.0300	1.0131340	54.72155
## 1454	144.1664	NA	216.28014	46.0414	1.0300	1.0165930	54.35294
## 1455	141.8858	NA	212.46774	46.4468	1.0300	1.0135430	53.88128
## 1456	139.6052	NA	208.65535	46.8522	1.0300	1.0087630	53.34821
## 1457	137.3246	207.2	204.84295	47.2576	1.0300	1.0034130	53.59477
## 1458	135.0440	200.1	201.03056	47.6630	1.0300	0.9978173	52.97872
## 1519	148.9290	NA	207.34233	48.6520	1.0500	1.0184000	55.46271
## 1520	146.4210	NA	203.87720	49.0856	1.0500	1.0184940	55.26841
## 1521	143.9130	NA	200.41206	49.5192	1.0500	1.0185180	55.18367
## 1522	141.4050	NA	196.94692	49.9528	1.0500	1.0185060	55.09195
## 1523	138.8970	NA	193.48178	50.3864	1.0500	1.0186070	54.96803
## 1524	136.3890	197.8	190.01665	50.8200	1.0500	1.0189610	54.82635
## 1585	96.1670	NA	133.34083	55.5640	1.0550	1.0974540	60.41667
## 1586	93.2016	NA	129.03562	56.1088	1.0550	1.0828990	58.82353
## 1587	90.2362	NA	124.73040	56.6536	1.0550	1.0632590	57.40741
## 1588	87.2708	NA	120.42519	57.1984	1.0550	1.0511050	57.89474
## 1589	84.3054	NA	116.11997	57.7432	1.0550	1.0453260	56.66667
## 1590	81.3400	NA	111.81476	58.2880	1.0550	1.0412550	57.81250
## 1651	119.0580	NA	153.69582	57.7650	1.0690	1.0474860	66.48738
## 1652	113.3044	NA	146.16329	58.6232	1.0686	1.0445420	66.43845
## 1653	107.5508	NA	138.63075	59.4814	1.0682	1.0436160	66.44022
## 1654	101.7972	NA	131.09822	60.3396	1.0678	1.0436730	66.35665
## 1655	96.0436	NA	123.56568	61.1978	1.0674	1.0442540	66.31903
## 1656	90.2900	NA	116.03315	62.0560	1.0670	1.0450540	66.22464
## 1717	247.1480	389.7	401.49235	28.5940	1.0460	1.0528770	57.29288
## 1718	243.3354	387.0	396.44157	29.0636	1.0460	1.0477660	57.00740
## 1719	239.5228	384.1	391.39079	29.5332	1.0460	1.0395430	56.85826
## 1720	235.7102	380.4	386.34001	30.0028	1.0460	1.0323780	56.75125
## 1721	231.8976	376.5	381.28924	30.4724	1.0460	1.0277320	56.82276
## 1722	228.0850	372.3	376.23846	30.9420	1.0460	1.0255680	56.87403
## 1783	175.6760	NA	295.57251	37.5330	1.0300	0.9691025	55.86834
## 1784	173.8608	NA	292.59405	37.8326	1.0300	0.9755312	55.53201
## 1785	172.0456	NA	289.61558	38.1322	1.0300	0.9831717	55.11647
## 1786	170.2304	NA	286.63711	38.4318	1.0300	0.9892899	54.76483
## 1787	168.4152	NA	283.65864	38.7314	1.0300	0.9934306	54.62219
## 1788	166.6000	NA	280.68017	39.0310	1.0300	0.9960914	54.64243
## 1849	136.2200	NA	202.92019	47.3690	1.0300	0.9892927	60.11236
## 1850	135.4352	NA	201.65204	47.5082	1.0300	1.0114480	60.21505
## 1851	134.6504	NA	200.38389	47.6474	1.0300	1.0222340	59.16230
## 1852	133.8656	NA	199.11574	47.7866	1.0300	1.0240550	56.92308
## 1853	133.0808	NA	197.84759	47.9258	1.0300	1.0205740	57.86802
## 1854	132.2960	NA	196.57944	48.0650	1.0300	1.0137350	58.37563
## 1915	149.4260	NA	224.09287	39.5970	1.0420	1.0152890	55.05415
## 1916	148.0406	NA	221.86908	39.7422	1.0420	1.0151570	54.73568
## 1917	146.6552	NA	219.64528	39.8874	1.0420	1.0150050	54.21764
## 1918	145.2698	NA	217.42148	40.0326	1.0420	1.0148050	53.80435
## 1919	143.8844	NA	215.19768	40.1778	1.0420	1.0146820	53.48932
## 1920	142.4990	NA	212.97389	40.3230	1.0420	1.0146800	53.28973
## 1981	181.0660	NA	304.53881	36.6320	1.0300	0.9914874	56.89655

## 1982	178.7322	NA 300.70491	37.0142	1.0300	0.9935233	56.75616
## 1983	176.3984	NA 296.87100	37.3964	1.0300	0.9960697	56.62989
## 1984	174.0646	NA 293.03709	37.7786	1.0300	0.9982053	56.57811
## 1985	171.7308	NA 289.20319	38.1608	1.0300	0.9997577	56.66249
## 1986	169.3970	334.9 285.36928	38.5430	1.0300	1.0009080	56.75010
## 2047	43.6640	48.7 51.83082	67.5570	1.0590	1.0424470	62.64832
## 2048	42.4974	46.2 50.35953	67.8244	1.0588	1.0424170	62.19149
## 2049	41.3308	43.9 48.88824	68.0918	1.0586	1.0422770	61.75943
## 2050	40.1642	41.8 47.41694	68.3592	1.0584	1.0424970	61.26865
## 2051	38.9976	39.9 45.94565	68.6266	1.0582	1.0429730	60.66270
## 2052	37.8310	38.3 44.47436	68.8940	1.0580	1.0434960	60.09915
## 2113	218.4080	NA 363.53246	31.3780	1.0300	0.9991460	58.77920
## 2114	215.5042	NA 358.92862	31.7900	1.0300	0.9981059	58.50746
## 2115	212.6004	NA 354.32477	32.2020	1.0300	0.9952432	58.27179
## 2116	209.6966	NA 349.72092	32.6140	1.0300	0.9925156	58.18713
## 2117	206.7928	NA 345.11708	33.0260	1.0300	0.9907124	58.42372
## 2118	203.8890	NA 340.51323	33.4380	1.0300	0.9900417	58.21429
## 2179	194.6970	NA 325.77138	34.7560	1.0300	1.0324420	57.71383
## 2180	192.9568	NA 322.96580	35.0170	1.0300	1.0176900	57.42925
## 2181	191.2166	NA 320.16023	35.2780	1.0300	0.9967090	56.94981
## 2182	189.4764	NA 317.35465	35.5390	1.0300	0.9799821	56.65529
## 2183	187.7362	NA 314.54907	35.8000	1.0300	0.9700615	56.51526
## 2184	185.9960	NA 311.74349	36.0610	1.0300	0.9662237	56.35965
## 2245	126.9460	NA 169.08272	50.9950	1.0400	1.0248390	58.92886
## 2246	126.0608	NA 167.07366	51.5114	1.0400	1.0254760	58.54435
## 2247	125.1756	NA 165.06460	52.0278	1.0400	1.0251470	58.14243
## 2248	124.2904	NA 163.05553	52.5442	1.0400	1.0246230	57.75034
## 2249	123.4052	NA 161.04647	53.0606	1.0400	1.0240770	57.44522
## 2250	122.5200	NA 159.03741	53.5770	1.0400	1.0234540	57.27193
## 2311	126.7290	NA 206.64945	42.7370	1.0700	1.0770900	61.18858
## 2312	127.1610	NA 206.38354	42.8674	1.0700	1.0681870	60.38553
## 2313	127.5930	NA 206.11762	42.9978	1.0700	1.0648690	59.47001
## 2314	128.0250	NA 205.85170	43.1282	1.0700	1.0640110	58.75507
## 2315	128.4570	NA 205.58578	43.2586	1.0700	1.0639450	58.34096
## 2316	128.8890	NA 205.31987	43.3890	1.0700	1.0638570	58.15438
## 2377	140.9980	NA 223.74380	46.1200	1.0500	1.0237130	53.94214
## 2378	137.4326	NA 216.71027	47.0252	1.0500	1.0246740	53.46457
## 2379	133.8672	NA 209.67674	47.9304	1.0500	1.0257610	53.05419
## 2380	130.3018	NA 202.64322	48.8356	1.0500	1.0265300	52.68249
## 2381	126.7364	NA 195.60969	49.7408	1.0500	1.0271210	52.31103
## 2382	123.1710	NA 188.57616	50.6460	1.0500	1.0278370	52.01743
## 2443	204.5970	NA 305.65422	36.9750	1.0500	1.0363730	58.59873
## 2444	202.1438	NA 302.02377	37.3240	1.0500	1.0376510	57.50000
## 2445	199.6906	NA 298.39332	37.6730	1.0500	1.0312500	57.66871
## 2446	197.2374	NA 294.76287	38.0220	1.0500	1.0249620	58.08383
## 2447	194.7842	NA 291.13242	38.3710	1.0500	1.0200870	57.05882
## 2448	192.3310	NA 287.50197	38.7200	1.0500	1.0170810	58.38150
## 2509	175.6510	NA 295.63505	37.5620	1.0300	0.9740699	52.51149
## 2510	173.8400	NA 292.65755	37.8606	1.0300	0.9799566	52.53842
## 2511	172.0290	NA 289.68005	38.1592	1.0300	0.9869269	52.65358
## 2512	170.2180	NA 286.70255	38.4578	1.0300	0.9929642	52.85847
## 2513	168.4070	NA 283.72505	38.7564	1.0300	0.9972833	53.08577
## 2514	166.5960	NA 280.74755	39.0550	1.0300	1.0000480	53.31065
## 2575	161.3910	NA 273.55039	39.4810	1.0300	0.9901028	56.18812

## 2576	157.5240	NA 266.87830	40.2168	1.0300	0.9945197	56.43204
## 2577	153.6570	NA 260.20622	40.9526	1.0300	1.0016260	56.00476
## 2578	149.7900	NA 253.53414	41.6884	1.0300	1.0079460	55.99534
## 2579	145.9230	NA 246.86205	42.4242	1.0300	1.0121700	55.97270
## 2580	142.0560	NA 240.18997	43.1600	1.0300	1.0144290	55.72859
## 2641	113.8440	NA 174.03299	53.2400	1.0500	1.0484460	53.64583
## 2642	111.7280	NA 169.91658	53.7914	1.0500	1.0452440	53.34686
## 2643	109.6120	NA 165.80017	54.3428	1.0500	1.0400790	53.34646
## 2644	107.4960	NA 161.68375	54.8942	1.0500	1.0355880	53.62595
## 2645	105.3800	NA 157.56734	55.4456	1.0500	1.0328000	53.09326
## 2646	103.2640	NA 153.45093	55.9970	1.0500	1.0314850	53.08311
## 2707	298.8570	NA 436.35375	29.1910	1.0300	1.0431740	54.67681
## 2708	292.6448	NA 427.82468	29.7814	1.0300	1.0342390	54.73450
## 2709	286.4326	NA 419.29561	30.3718	1.0300	1.0205360	55.07614
## 2710	280.2204	NA 410.76654	30.9622	1.0300	1.0092500	55.48091
## 2711	274.0082	NA 402.23748	31.5526	1.0300	1.0023150	55.78911
## 2712	267.7960	NA 393.70841	32.1430	1.0300	0.9992270	56.02551
## 2773	120.3000	NA 130.86053	58.8920	1.0590	1.0223490	65.42857
## 2774	115.3460	NA 125.54843	59.3670	1.0590	1.0314000	65.38857
## 2775	110.3920	NA 120.23633	59.8420	1.0590	1.0407840	65.75727
## 2776	105.4380	NA 114.92422	60.3170	1.0590	1.0480640	65.90048
## 2777	100.4840	NA 109.61212	60.7920	1.0590	1.0523830	65.94094
## 2778	95.5300	NA 104.30002	61.2670	1.0590	1.0546320	65.96378
## 2839	91.3670	NA 131.25154	56.4570	1.0570	1.0490020	59.25676
## 2840	89.2166	NA 127.54135	57.0460	1.0570	1.0473130	59.29598
## 2841	87.0662	NA 123.83115	57.6350	1.0570	1.0423650	59.22330
## 2842	84.9158	NA 120.12095	58.2240	1.0570	1.0378500	59.12119
## 2843	82.7654	NA 116.41076	58.8130	1.0570	1.0348380	59.15318
## 2844	80.6150	NA 112.70056	59.4020	1.0570	1.0331160	59.44334
## 2905	83.0520	NA 110.74091	56.9630	1.0500	1.0356710	57.69185
## 2906	79.7040	NA 106.02681	57.7010	1.0500	1.0390200	57.14764
## 2907	76.3560	NA 101.31271	58.4390	1.0500	1.0402760	56.63388
## 2908	73.0080	NA 96.59861	59.1770	1.0500	1.0400780	56.24434
## 2909	69.6600	NA 91.88451	59.9150	1.0500	1.0390780	55.94288
## 2910	66.3120	NA 87.17042	60.6530	1.0500	1.0382350	55.69716
## 2971	78.7370	NA 95.35091	64.7140	1.0700	1.0625000	59.51417
## 2972	75.9768	NA 91.96511	65.1164	1.0700	1.0666320	60.40000
## 2973	73.2166	NA 88.57931	65.5188	1.0700	1.0653160	59.76331
## 2974	70.4564	NA 85.19352	65.9212	1.0700	1.0613100	59.72763
## 2975	67.6962	NA 81.80772	66.3236	1.0700	1.0568090	59.69290
## 2976	64.9360	NA 78.42193	66.7260	1.0700	1.0538230	58.86792
## 3037	61.1080	NA 71.68336	63.3460	1.0580	1.0422720	67.34442
## 3038	57.3344	NA 67.32715	63.9538	1.0580	1.0425900	66.78512
## 3039	53.5608	NA 62.97093	64.5616	1.0580	1.0439750	66.25302
## 3040	49.7872	NA 58.61471	65.1694	1.0580	1.0454380	65.70652
## 3041	46.0136	NA 54.25849	65.7772	1.0580	1.0466050	65.28062
## 3042	42.2400	NA 49.90227	66.3850	1.0580	1.0474000	64.98450
## 3103	32.2460	34.1 38.41358	69.7830	1.0680	1.0511670	64.66729
## 3104	31.3428	33.4 37.26613	70.0130	1.0674	1.0563690	64.36862
## 3105	30.4396	32.6 36.11867	70.2430	1.0668	1.0622830	64.18872
## 3106	29.5364	31.6 34.97122	70.4730	1.0662	1.0657440	64.05572
## 3107	28.6332	30.5 33.82377	70.7030	1.0656	1.0664920	63.85488
## 3108	27.7300	29.3 32.67632	70.9330	1.0650	1.0659170	63.69369
## 3169	165.2030	NA 278.71866	39.1270	1.0390	1.0103870	53.07903



## 3170	163.0196	NA 275.07060	39.5092	1.0390	1.0111390	52.27778
## 3171	160.8362	NA 271.42253	39.8914	1.0390	1.0119980	50.72769
## 3172	158.6528	NA 267.77447	40.2736	1.0390	1.0124820	54.56212
## 3173	156.4694	NA 264.12640	40.6558	1.0390	1.0125070	54.48382
## 3174	154.2860	NA 260.47834	41.0380	1.0390	1.0133140	54.41000
## 3235	167.6920	156.0 285.61597	42.0050	1.0500	1.0271710	51.90355
## 3236	164.7896	155.5 278.90022	42.7942	1.0500	1.0276040	51.68171
## 3237	161.8872	155.0 272.18446	43.5834	1.0500	1.0290530	51.66799
## 3238	158.9848	154.5 265.46871	44.3726	1.0500	1.0301620	51.48020
## 3239	156.0824	153.9 258.75295	45.1618	1.0500	1.0306740	51.32019
## 3240	153.1800	153.3 252.03720	45.9510	1.0500	1.0306590	51.11511
## 3301	148.2380	NA 221.69384	45.7150	1.0500	1.0260930	54.96975
## 3302	146.2236	NA 218.49957	46.3022	1.0500	1.0260030	54.53524
## 3303	144.2092	NA 215.30530	46.8894	1.0500	1.0252910	53.87141
## 3304	142.1948	NA 212.11103	47.4766	1.0500	1.0247530	53.54478
## 3305	140.1804	NA 208.91676	48.0638	1.0500	1.0245840	53.25720
## 3306	138.1660	207.8 205.72249	48.6510	1.0500	1.0247230	53.12105
## 3367	292.7730	NA 458.97268	35.9270	1.0600	1.0577710	58.56063
## 3368	283.9578	NA 444.61045	36.9688	1.0600	1.0663160	58.04340
## 3369	275.1426	NA 430.24822	38.0106	1.0600	1.0761710	57.97763
## 3370	266.3274	NA 415.88599	39.0524	1.0600	1.0851840	57.85209
## 3371	257.5122	NA 401.52376	40.0942	1.0600	1.0910230	57.51421
## 3372	248.6970	360.5 387.16152	41.1360	1.0600	1.0924950	57.02570
## 3433	165.5490	NA 243.34998	40.3960	1.0500	1.0175450	53.38790
## 3434	162.4988	NA 240.61788	41.1684	1.0500	1.0179600	53.22004
## 3435	159.4486	NA 237.88577	41.9408	1.0500	1.0180780	53.18122
## 3436	156.3984	NA 235.15366	42.7132	1.0500	1.0185370	53.11828
## 3437	153.3482	NA 232.42156	43.4856	1.0500	1.0193390	53.01053
## 3438	150.2980	208.3 229.68945	44.2580	1.0500	1.0205280	52.94360
## 3499	206.7410	NA 345.12785	32.9790	1.0300	0.9746123	59.73451
## 3500	204.6688	NA 341.83054	33.2798	1.0300	0.9831263	60.00000
## 3501	202.5966	NA 338.53323	33.5806	1.0300	0.9879161	59.48276
## 3502	200.5244	NA 335.23592	33.8814	1.0300	0.9900995	58.97436
## 3503	198.4522	NA 331.93861	34.1822	1.0300	0.9907819	58.47458
## 3504	196.3800	NA 328.64130	34.4830	1.0300	0.9909862	57.98319
## 3565	217.2620	NA 361.96287	34.8340	1.0520	1.0363040	51.66375
## 3566	213.6922	NA 356.26405	35.0352	1.0520	1.0331230	51.63511
## 3567	210.1224	NA 350.56524	35.2364	1.0520	1.0274560	51.39241
## 3568	206.5526	NA 344.86642	35.4376	1.0520	1.0219120	51.82119
## 3569	202.9828	NA 339.16760	35.6388	1.0520	1.0178910	51.74371
## 3570	199.4130	NA 333.46878	35.8400	1.0520	1.0158020	51.94599
## 3631	119.6770	NA 161.75716	56.6360	1.0670	1.1381940	63.76022
## 3632	112.7198	NA 151.77594	57.6664	1.0670	1.1275040	64.15094
## 3633	105.7626	NA 141.79472	58.6968	1.0670	1.0922670	64.44444
## 3634	98.8054	NA 131.81350	59.7272	1.0670	1.0573100	65.17150
## 3635	91.8482	NA 121.83228	60.7576	1.0670	1.0329310	65.53525
## 3636	84.8910	NA 111.85106	61.7880	1.0670	1.0220050	65.83261
## 3697	217.1780	NA 361.88521	31.4850	1.0400	1.0244120	52.91814
## 3698	213.6092	NA 356.18566	32.0040	1.0400	1.0212960	52.78064
## 3699	210.0404	NA 350.48611	32.5230	1.0400	1.0154080	52.83490
## 3700	206.4716	NA 344.78657	33.0420	1.0400	1.0099120	52.96846
## 3701	202.9028	NA 339.08702	33.5610	1.0400	1.0061250	53.12883
## 3702	199.3340	NA 333.38748	34.0800	1.0400	1.0042210	53.36876
## 3763	70.7320	135.7 175.60192	49.6830	1.0600	1.0370370	50.51903

## 3764	69.4392	125.9	170.59155	50.1876	1.0600	1.0264210	49.66216
## 3765	68.1464	116.9	165.58119	50.6922	1.0600	1.0178500	49.83607
## 3766	66.8536	108.7	160.57082	51.1968	1.0600	1.0152500	50.31847
## 3767	65.5608	101.3	155.56046	51.7014	1.0600	1.0196070	49.69136
## 3768	64.2680	94.8	150.55009	52.2060	1.0600	1.0307430	49.85075
## 3829	41.0520	NA	49.51526	64.1230	1.0500	1.0444010	63.63183
## 3830	39.4612	42.0	47.70137	64.5140	1.0500	1.0417220	63.10200
## 3831	37.8704	40.5	45.88748	64.9050	1.0500	1.0407910	63.03711
## 3832	36.2796	38.9	44.07360	65.2960	1.0500	1.0404130	62.92542
## 3833	34.6888	37.3	42.25971	65.6870	1.0500	1.0404360	62.71186
## 3834	33.0980	35.7	40.44582	66.0780	1.0500	1.0408080	62.40850
## 3895	57.6520	57.1	68.09880	64.9160	1.0520	1.0401240	65.95750
## 3896	55.2452	53.4	65.24832	65.3448	1.0520	1.0391090	65.51306
## 3897	52.8384	49.7	62.39784	65.7736	1.0520	1.0404920	65.36137
## 3898	50.4316	46.3	59.54736	66.2024	1.0520	1.0423800	65.09304
## 3899	48.0248	43.1	56.69688	66.6312	1.0520	1.0437590	64.65049
## 3900	45.6180	40.2	53.84640	67.0600	1.0520	1.0438510	64.10127
## 3961	159.3630	NA	176.07633	43.0230	1.0500	1.0284620	57.38833
## 3962	153.4120	NA	169.21926	44.2062	1.0500	1.0274380	58.78710
## 3963	147.4610	NA	162.36218	45.3894	1.0500	1.0322090	58.52500
## 3964	141.5100	NA	155.50511	46.5726	1.0500	1.0344100	56.75606
## 3965	135.5590	NA	148.64803	47.7558	1.0500	1.0351550	57.40597
## 3966	129.6080	NA	141.79095	48.9390	1.0500	1.0337860	57.19275
## 4027	192.0980	NA	322.21331	34.9970	1.0300	1.0072830	64.05920
## 4028	189.5482	NA	318.06251	35.3976	1.0300	1.0042010	63.65546
## 4029	186.9984	NA	313.91171	35.7982	1.0300	0.9995669	63.38912
## 4030	184.4486	NA	309.76092	36.1988	1.0300	0.9958707	63.25678
## 4031	181.8988	NA	305.61012	36.5994	1.0300	0.9940619	63.12500
## 4032	179.3490	NA	301.45932	37.0000	1.0300	0.9941433	63.27801
## 4093	162.4550	NA	398.62642	28.9740	1.0300	0.9823071	55.71956
## 4094	161.2124	NA	395.42593	29.2300	1.0300	0.9860422	56.25000
## 4095	159.9698	NA	392.22545	29.4860	1.0300	0.9880415	57.60870
## 4096	158.7272	NA	389.02497	29.7420	1.0300	0.9913886	57.74648
## 4097	157.4846	NA	385.82448	29.9980	1.0300	0.9952222	58.36177
## 4098	156.2420	NA	382.62400	30.2540	1.0300	0.9982237	58.22368
## 4159	86.9320	NA	99.34002	58.6440	1.0600	0.9662316	63.05642
## 4160	85.5328	NA	97.52274	59.0442	1.0600	0.9971357	63.19754
## 4161	84.1336	NA	95.70545	59.4444	1.0600	1.0165790	63.47683
## 4162	82.7344	NA	93.88816	59.8446	1.0600	1.0299330	63.85445
## 4163	81.3352	NA	92.07088	60.2448	1.0600	1.0382960	64.05298
## 4164	79.9360	NA	90.25359	60.6450	1.0600	1.0429860	64.19271
## 4225	54.2010	NA	64.90636	66.1440	1.0700	1.0513430	67.07363
## 4226	52.6356	NA	62.86750	66.4206	1.0688	1.0529620	67.20533
## 4227	51.0702	NA	60.82864	66.6972	1.0676	1.0522600	67.44863
## 4228	49.5048	NA	58.78977	66.9738	1.0664	1.0508560	67.77195
## 4229	47.9394	NA	56.75091	67.2504	1.0652	1.0493500	68.08888
## 4230	46.3740	NA	54.71205	67.5270	1.0640	1.0479720	68.29891
## 4291	161.3610	256.7	272.81725	39.6790	1.0530	1.0475050	52.43927
## 4292	158.5780	250.8	268.12858	40.1776	1.0530	1.0481260	52.41665
## 4293	155.7950	244.9	263.43991	40.6762	1.0530	1.0466470	52.70661
## 4294	153.0120	239.5	258.75124	41.1748	1.0530	1.0448730	52.90262
## 4295	150.2290	234.4	254.06257	41.6734	1.0530	1.0435900	53.06085
## 4296	147.4460	229.5	249.37390	42.1720	1.0530	1.0429300	53.15141
## 4357	50.4150	NA	65.51697	64.3360	1.0680	1.0522190	64.55194

## 4358	49.4920	NA	64.01506	64.6182	1.0680	1.0545920	64.83761
## 4359	48.5690	NA	62.51314	64.9004	1.0680	1.0575670	65.39060
## 4360	47.6460	NA	61.01123	65.1826	1.0680	1.0603640	65.88250
## 4361	46.7230	NA	59.50932	65.4648	1.0680	1.0630470	66.16599
## 4362	45.8000	59.8	58.00741	65.7470	1.0680	1.0660720	66.30120
## 4423	182.4000	NA	267.07081	39.9020	1.0500	1.0254520	52.89256
## 4424	179.6210	NA	263.49522	40.3308	1.0500	1.0274750	52.57955
## 4425	176.8420	NA	259.91963	40.7596	1.0500	1.0285910	52.29661
## 4426	174.0630	NA	256.34404	41.1884	1.0500	1.0293730	52.16121
## 4427	171.2840	NA	252.76844	41.6172	1.0500	1.0299500	52.03183
## 4428	168.5050	NA	249.19285	42.0460	1.0500	1.0303120	51.99225
## 4489	213.7620	NA	356.75702	31.8220	1.0240	0.9974312	57.62767
## 4490	212.3846	NA	354.58203	32.0726	1.0240	0.9957538	57.35201
## 4491	211.0072	NA	352.40703	32.3232	1.0240	0.9927366	57.01727
## 4492	209.6298	NA	350.23204	32.5738	1.0240	0.9902905	56.78439
## 4493	208.2524	NA	348.05705	32.8244	1.0240	0.9889631	56.83277
## 4494	206.8750	NA	345.88206	33.0750	1.0240	0.9886825	56.87575
## 4555	186.0220	NA	322.16472	34.5810	1.0300	1.0109750	59.14179
## 4556	184.8382	NA	320.09511	34.8416	1.0300	1.0072290	58.45588
## 4557	183.6544	NA	318.02550	35.1022	1.0300	0.9995060	58.15217
## 4558	182.4706	NA	315.95588	35.3628	1.0300	0.9927402	57.50000
## 4559	181.2868	NA	313.88627	35.6234	1.0300	0.9882264	57.14286
## 4560	180.1030	NA	311.81666	35.8840	1.0300	0.9858697	56.69565
## 4621	77.6620	157.7	104.26885	57.8530	1.0500	1.0209350	56.01966
## 4622	76.5766	150.2	102.79008	58.0482	1.0500	1.0170050	55.23810
## 4623	75.4912	143.0	101.31131	58.2434	1.0500	1.0192990	54.58716
## 4624	74.4058	135.9	99.83254	58.4386	1.0500	1.0230570	53.86313
## 4625	73.3204	128.8	98.35378	58.6338	1.0500	1.0266800	53.51812
## 4626	72.2350	121.8	96.87501	58.8290	1.0500	1.0294720	52.78351
## 4687	247.9730	NA	371.58858	34.3420	1.0500	1.0170010	56.72152
## 4688	242.6686	NA	363.49489	34.9698	1.0500	1.0162110	56.67176
## 4689	237.3642	NA	355.40121	35.5976	1.0500	1.0157910	56.60264
## 4690	232.0598	NA	347.30753	36.2254	1.0500	1.0155580	56.60767
## 4691	226.7554	NA	339.21384	36.8532	1.0500	1.0156050	56.73718
## 4692	221.4510	NA	331.12016	37.4810	1.0500	1.0159760	56.85828
## 4753	184.6320	NA	304.02723	38.9910	1.0500	1.0491830	53.86685
## 4754	181.5634	NA	298.57226	39.5504	1.0500	1.0478790	53.31148
## 4755	178.4948	NA	293.11729	40.1098	1.0500	1.0446770	52.93367
## 4756	175.4262	NA	287.66232	40.6692	1.0500	1.0413030	52.75542
## 4757	172.3576	NA	282.20734	41.2286	1.0500	1.0383750	52.52101
## 4758	169.2890	NA	276.75237	41.7880	1.0500	1.0361450	52.30052
## 4819	77.3910	NA	108.58026	60.3990	1.0670	1.1178830	67.22391
## 4820	74.2740	NA	104.32097	60.9542	1.0670	1.1058250	66.15914
## 4821	71.1570	NA	100.06168	61.5094	1.0670	1.0959740	65.79194
## 4822	68.0400	NA	95.80240	62.0646	1.0670	1.0872540	64.93333
## 4823	64.9230	NA	91.54311	62.6198	1.0670	1.0800870	63.72838
## 4824	61.8060	NA	87.28382	63.1750	1.0670	1.0744120	62.12851
## 4885	89.0560	NA	103.19036	61.1320	1.0600	1.0434170	67.27000
## 4886	85.6214	NA	99.08575	61.7100	1.0600	1.0469080	66.93395
## 4887	82.1868	NA	94.98113	62.2880	1.0600	1.0480040	66.48254
## 4888	78.7522	NA	90.87652	62.8660	1.0600	1.0477850	66.18861
## 4889	75.3176	73.0	86.77191	63.4440	1.0600	1.0468340	66.06265
## 4890	71.8830	72.5	82.66729	64.0220	1.0600	1.0454610	66.10032
## 4951	25.5240	NA	31.83464	70.9350	1.0730	1.0679580	62.67606

## 4952	24.7280	29.2	30.81209	71.1576	1.0720	1.0765420	62.06897
## 4953	23.9320	27.8	29.78953	71.3802	1.0710	1.0759170	61.48649
## 4954	23.1360	26.5	28.76697	71.6028	1.0700	1.0719860	60.92715
## 4955	22.3400	25.3	27.74441	71.8254	1.0690	1.0676630	60.00000
## 4956	21.5440	24.4	26.72185	72.0480	1.0680	1.0647200	59.23567
## 5017	201.8210	NA	302.04949	33.5860	1.0600	1.0184260	59.37102
## 5018	198.6776	NA	297.39116	34.1932	1.0600	1.0240930	59.07266
## 5019	195.5342	NA	292.73283	34.8004	1.0600	1.0364500	58.70466
## 5020	192.3908	279.5	288.07450	35.4076	1.0600	1.0476850	58.40441
## 5021	189.2474	274.5	283.41616	36.0148	1.0600	1.0554100	58.21059
## 5022	186.1040	269.5	278.75783	36.6220	1.0600	1.0594430	58.08894
## 5083	218.0480	NA	343.40004	39.9790	1.0500	0.9528604	56.86697
## 5084	212.8924	287.6	334.41369	40.6814	1.0500	0.9681678	57.03058
## 5085	207.7368	279.4	325.42735	41.3838	1.0500	0.9871922	57.18988
## 5086	202.5812	271.5	316.44101	42.0862	1.0500	1.0034040	57.39911
## 5087	197.4256	263.7	307.45466	42.7886	1.0500	1.0145690	57.60524
## 5088	192.2700	256.1	298.46832	43.4910	1.0500	1.0212170	57.75269
## 5149	242.8240	NA	329.02152	37.6690	1.0500	1.0143060	58.45552
## 5150	238.3038	NA	322.89500	38.2524	1.0500	1.0243650	57.93229
## 5151	233.7836	NA	316.76848	38.8358	1.0500	1.0390190	57.36910
## 5152	229.2634	NA	310.64195	39.4192	1.0500	1.0506980	56.89477
## 5153	224.7432	NA	304.51543	40.0026	1.0500	1.0579080	56.49240
## 5154	220.2230	NA	298.38891	40.5860	1.0500	1.0613510	56.12626
## 5215	280.6580	364.3	407.64109	30.9550	1.0650	1.0786200	59.78318
## 5216	269.5758	343.1	391.39864	32.3510	1.0650	1.0676120	59.09168
## 5217	258.4936	322.4	375.15618	33.7470	1.0650	1.0494480	57.95548
## 5218	247.4114	303.1	358.91373	35.1430	1.0650	1.0370490	57.22329
## 5219	236.3292	284.5	342.67127	36.5390	1.0650	1.0308690	56.93396
## 5220	225.2470	267.0	326.42882	37.9350	1.0650	1.0290670	56.94295
## 5281	47.7090	54.2	58.26312	64.4020	1.0700	1.0501130	60.41881
## 5282	46.2852	51.9	56.32516	64.8572	1.0700	1.0496660	60.25334
## 5283	44.8614	49.5	54.38721	65.3124	1.0700	1.0509370	60.13675
## 5284	43.4376	47.1	52.44926	65.7676	1.0700	1.0521790	59.89049
## 5285	42.0138	44.9	50.51130	66.2228	1.0700	1.0526730	59.66358
## 5286	40.5900	43.0	48.57335	66.6780	1.0700	1.0521500	59.46878
## 5347	44.7790	NA	57.32764	67.6980	1.0630	1.0666280	64.30843
## 5348	43.6070	NA	55.61028	67.9324	1.0636	1.0645500	63.51551
## 5349	42.4350	NA	53.89292	68.1668	1.0642	1.0615110	62.64645
## 5350	41.2630	NA	52.17557	68.4012	1.0648	1.0593860	61.90168
## 5351	40.0910	NA	50.45821	68.6356	1.0654	1.0589430	61.30807
## 5352	38.9190	NA	48.74086	68.8700	1.0660	1.0603080	60.79116
## 5413	70.2270	88.9	89.29539	64.1780	1.0630	1.0492750	65.21310
## 5414	68.0026	81.8	86.09138	64.5954	1.0630	1.0481110	65.32522
## 5415	65.7782	75.3	82.88738	65.0128	1.0630	1.0484990	65.64834
## 5416	63.5538	69.8	79.68337	65.4302	1.0630	1.0494990	65.90014
## 5417	61.3294	65.3	76.47936	65.8476	1.0630	1.0503730	66.01061
## 5418	59.1050	61.9	73.27536	66.2650	1.0630	1.0505340	66.00898
## 5479	104.1600	NA	137.01719	54.4840	1.0500	1.0095630	60.05706
## 5480	101.3260	NA	133.11616	55.3062	1.0500	1.0210550	59.91649
## 5481	98.4920	123.0	129.21513	56.1284	1.0500	1.0246770	59.87738
## 5482	95.6580	117.4	125.31410	56.9506	1.0500	1.0226290	59.51904
## 5483	92.8240	112.1	121.41306	57.7728	1.0500	1.0190940	59.04011
## 5484	89.9900	106.8	117.51203	58.5950	1.0500	1.0163180	58.78159
## 5545	59.2120	91.3	95.62712	58.0820	1.0560	1.0421950	59.67518

## 5546	56.9044	82.6	90.94215	58.8990	1.0560	1.0454580	59.85799
## 5547	54.5968	74.9	86.25718	59.7160	1.0560	1.0474330	60.24186
## 5548	52.2892	68.4	81.57221	60.5330	1.0560	1.0486290	60.58024
## 5549	49.9816	62.8	76.88724	61.3500	1.0560	1.0491600	60.88314
## 5550	47.6740	58.0	72.20227	62.1670	1.0560	1.0493000	61.22073
## 5611	175.0270	275.1	291.48644	42.3210	1.0540	1.1330350	48.77506
## 5612	169.4894	260.9	280.81741	43.1538	1.0540	1.1455420	49.50298
## 5613	163.9518	247.3	270.14838	43.9866	1.0540	1.1464830	50.00000
## 5614	158.4142	234.3	259.47935	44.8194	1.0540	1.1442060	50.08696
## 5615	152.8766	221.7	248.81031	45.6522	1.0540	1.1409430	50.49342
## 5616	147.3390	209.7	238.14128	46.4850	1.0540	1.1370640	51.08359
## 5677	118.3040	NA	158.16121	52.8520	1.0650	1.0649900	59.12278
## 5678	116.6448	NA	155.38563	53.2984	1.0650	1.0792710	59.31782
## 5679	114.9856	NA	152.61005	53.7448	1.0650	1.0845510	60.36074
## 5680	113.3264	NA	149.83447	54.1912	1.0650	1.0847790	61.38600
## 5681	111.6672	NA	147.05889	54.6376	1.0650	1.0804670	61.92222
## 5682	110.0080	NA	144.28331	55.0840	1.0650	1.0737680	61.87437
## 5743	160.3570	NA	270.69113	39.8760	1.0300	1.0075570	56.32714
## 5744	157.6880	NA	266.19709	40.3612	1.0300	1.0044680	55.64813
## 5745	155.0190	304.1	261.70304	40.8464	1.0300	1.0012200	55.03743
## 5746	152.3500	287.2	257.20899	41.3316	1.0300	0.9987271	54.49719
## 5747	149.6810	271.3	252.71495	41.8168	1.0300	0.9974626	53.96638
## 5748	147.0120	256.5	248.22090	42.3020	1.0300	0.9973639	53.38109
## 5809	151.8020	NA	227.49741	44.7670	1.0500	1.0209100	55.54312
## 5810	149.9248	NA	224.50679	45.0890	1.0500	1.0202580	55.22943
## 5811	148.0476	NA	221.51617	45.4110	1.0500	1.0186820	55.07394
## 5812	146.1704	NA	218.52555	45.7330	1.0500	1.0172070	54.84802
## 5813	144.2932	NA	215.53492	46.0550	1.0500	1.0157300	54.48879
## 5814	142.4160	NA	212.54430	46.3770	1.0500	1.0151750	54.00989
## 5875	161.3690	NA	277.45552	25.3010	1.0500	0.9749982	53.51659
## 5876	153.5342	NA	262.17783	27.7586	1.0500	0.9684336	54.06381
## 5877	145.6994	NA	246.90014	30.2162	1.0500	0.9605492	55.38860
## 5878	137.8646	NA	231.62245	32.6738	1.0500	0.9522522	56.73396
## 5879	130.0298	NA	216.34475	35.1314	1.0500	0.9510037	57.66570
## 5880	122.1950	NA	201.06706	37.5890	1.0500	0.9637618	57.90622
## 5941	161.6070	NA	227.89897	44.6170	1.0800	1.0975070	54.63537
## 5942	156.8826	330.5	221.17653	45.2784	1.0790	1.0909110	54.68297
## 5943	152.1582	279.7	214.45409	45.9398	1.0780	1.0742400	55.01610
## 5944	147.4338	238.6	207.73165	46.6012	1.0770	1.0576490	55.52830
## 5945	142.7094	205.2	201.00920	47.2626	1.0760	1.0463830	56.01092
## 5946	137.9850	179.0	194.28676	47.9240	1.0750	1.0434180	56.31141
## 6007	153.7280	NA	244.59046	48.7160	1.0350	1.1290200	61.84211
## 6008	147.7368	NA	234.27640	49.6588	1.0350	1.0048550	60.12270
## 6009	141.7456	NA	223.96233	50.6016	1.0350	0.9458798	60.69364
## 6010	135.7544	NA	213.64827	51.5444	1.0350	0.9483230	59.89011
## 6011	129.7632	NA	203.33420	52.4872	1.0350	0.9820447	60.31746
## 6012	123.7720	NA	193.02014	53.4300	1.0350	1.0237410	60.51282
## 6073	150.0000	NA	190.03985	50.5580	1.0560	0.9112628	62.93103
## 6074	148.0002	NA	187.00828	51.0114	1.0560	0.9214325	62.84742
## 6075	146.0004	NA	183.97671	51.4648	1.0560	0.9574450	63.00223
## 6076	144.0006	NA	180.94514	51.9182	1.0560	0.9900070	63.12329
## 6077	142.0008	NA	177.91357	52.3716	1.0560	1.0115120	62.99678
## 6078	140.0010	NA	174.88200	52.8250	1.0560	1.0229730	62.30284
## 6139	186.8270	NA	278.98807	39.4250	1.0500	0.9397204	57.39750

## 6140	184.8202	NA 276.04786	39.7260	1.0500	0.9509118	56.99362
## 6141	182.8134	NA 273.10766	40.0270	1.0500	0.9705394	56.74603
## 6142	180.8066	NA 270.16745	40.3280	1.0500	0.9878665	56.56510
## 6143	178.7998	NA 267.22725	40.6290	1.0500	0.9998532	56.36167
## 6144	176.7930	NA 264.28704	40.9300	1.0500	1.0073180	56.24339
## 6205	108.4100	NA 154.71938	57.2570	1.0570	1.0288480	63.46845
## 6206	102.1038	NA 145.11278	58.2896	1.0568	1.0250150	63.83632
## 6207	95.7976	NA 135.50618	59.3222	1.0566	1.0269210	64.22392
## 6208	89.4914	NA 125.89958	60.3548	1.0564	1.0307820	64.78019
## 6209	83.1852	NA 116.29298	61.3874	1.0562	1.0340800	65.31328
## 6210	76.8790	NA 106.68638	62.4200	1.0560	1.0357200	65.55831
## 6271	77.1170	NA 107.78424	58.5020	1.0500	1.0494770	58.50187
## 6272	75.3766	NA 105.03923	58.8946	1.0500	1.0557660	58.05740
## 6273	73.6362	NA 102.29422	59.2872	1.0500	1.0498510	57.28643
## 6274	71.8958	NA 99.54921	59.6798	1.0500	1.0435810	56.79443
## 6275	70.1554	NA 96.80420	60.0724	1.0500	1.0393780	56.27530
## 6276	68.4150	NA 94.05919	60.4650	1.0500	1.0370800	55.57730
## 6337	188.1900	NA 281.77615	39.2460	1.0300	0.9681195	55.04087
## 6338	184.4066	NA 276.09584	39.8294	1.0300	0.9776978	54.16667
## 6339	180.6232	232.2 270.41554	40.4128	1.0300	0.9855254	54.17219
## 6340	176.8398	225.4 264.73523	40.9962	1.0300	0.9905316	54.04700
## 6341	173.0564	218.7 259.05492	41.5796	1.0300	0.9927450	53.92535
## 6342	169.2730	212.5 253.37462	42.1630	1.0300	0.9934648	53.80711
## 6403	229.5890	NA 339.06911	32.0600	1.0540	1.0199880	55.48387
## 6404	228.4142	NA 337.60888	32.2722	1.0540	1.0078560	55.56734
## 6405	227.2394	NA 336.14864	32.4844	1.0540	0.9958777	55.38140
## 6406	226.0646	NA 334.68841	32.6966	1.0540	0.9864846	55.44148
## 6407	224.8898	NA 333.22817	32.9088	1.0540	0.9807022	56.10494
## 6408	223.7150	NA 331.76794	33.1210	1.0540	0.9781027	56.03960
## 6469	277.5530	NA 375.41537	34.3570	1.0540	1.0798430	55.88500
## 6470	272.7706	NA 369.49326	34.8200	1.0540	1.0581780	55.70292
## 6471	267.9882	NA 363.57115	35.2830	1.0540	1.0335770	55.03472
## 6472	263.2058	NA 357.64904	35.7460	1.0540	1.0161630	54.84694
## 6473	258.4234	NA 351.72693	36.2090	1.0540	1.0071090	54.74210
## 6474	253.6410	NA 345.80481	36.6720	1.0540	1.0041370	54.66342
## 6535	151.6310	NA 198.18148	54.7940	1.0460	1.0071410	63.26451
## 6536	142.8532	NA 186.10792	56.0026	1.0460	1.0070050	63.46304
## 6537	134.0754	NA 174.03437	57.2112	1.0460	1.0112020	63.66809
## 6538	125.2976	NA 161.96081	58.4198	1.0460	1.0160760	63.85031
## 6539	116.5198	NA 149.88726	59.6284	1.0460	1.0201240	64.00920
## 6540	107.7420	NA 137.81370	60.8370	1.0460	1.0231810	64.16889
## 6601	49.8860	NA 64.47507	64.4140	1.0360	1.1111110	70.27027
## 6602	48.5886	NA 62.63873	64.7270	1.0360	1.1313050	70.03367
## 6603	47.2912	NA 60.80240	65.0400	1.0360	1.1307580	70.00000
## 6604	45.9938	NA 58.96607	65.3530	1.0360	1.1244750	69.53642
## 6605	44.6964	NA 57.12973	65.6660	1.0360	1.1145410	70.06579
## 6606	43.3990	NA 55.29340	65.9790	1.0360	1.1000000	69.83607
## 6667	75.7780	NA 106.99028	58.4470	1.0500	1.0319020	69.89796
## 6668	73.8218	NA 103.60397	58.9674	1.0500	1.0358310	68.36735
## 6669	71.8656	NA 100.21765	59.4878	1.0500	1.0511460	68.04124
## 6670	69.9094	NA 96.83134	60.0082	1.0500	1.0607210	66.84211
## 6671	67.9532	NA 93.44502	60.5286	1.0500	1.0677110	65.05376
## 6672	65.9970	NA 90.05871	61.0490	1.0500	1.0773300	63.53591
## 6733	160.0600	NA 184.46644	50.8420	1.0540	1.0431600	57.05179

## 6734	155.3102	NA 178.66566	51.6536	1.0540	1.0433640	57.05426
## 6735	150.5604	NA 172.86488	52.4652	1.0540	1.0467100	57.00227
## 6736	145.8106	NA 167.06411	53.2768	1.0540	1.0495650	56.86711
## 6737	141.0608	NA 161.26333	54.0884	1.0540	1.0511690	57.11160
## 6738	136.3110	NA 155.46256	54.9000	1.0540	1.0514250	57.54310
## 6799	196.8180	NA 318.27328	33.8910	1.0160	0.9760942	58.57003
## 6800	193.9958	NA 313.51669	34.3766	1.0160	0.9846044	58.20537
## 6801	191.1736	NA 308.76009	34.8622	1.0160	0.9908337	57.70677
## 6802	188.3514	NA 304.00350	35.3478	1.0160	0.9947385	57.18556
## 6803	185.5292	NA 299.24691	35.8334	1.0160	0.9968190	56.93069
## 6804	182.7070	NA 294.49031	36.3190	1.0160	0.9979969	56.72463
## 6865	203.2780	NA 358.22080	35.3010	1.0200	0.9460227	51.21869
## 6866	202.1966	NA 356.14261	35.4924	1.0200	0.9558424	51.13032
## 6867	201.1152	NA 354.06442	35.6838	1.0200	0.9715068	51.20678
## 6868	200.0338	NA 351.98624	35.8752	1.0200	0.9867159	51.48800
## 6869	198.9524	NA 349.90805	36.0666	1.0200	0.9979483	51.67869
## 6870	197.8710	NA 347.82986	36.2580	1.0200	1.0043200	51.90652
## 6931	123.6190	NA 164.96886	51.6400	1.0600	0.9947183	54.09165
## 6932	119.3680	NA 159.33788	52.2704	1.0600	0.9927642	53.75279
## 6933	115.1170	NA 153.70689	52.9008	1.0600	0.9979926	53.69190
## 6934	110.8660	NA 148.07591	53.5312	1.0600	1.0039130	53.58114
## 6935	106.6150	NA 142.44493	54.1616	1.0600	1.0099140	53.35388
## 6936	102.3640	NA 136.81394	54.7920	1.0600	1.0176710	53.07868
## 6997	289.6280	NA 395.13998	32.8440	1.0580	1.0758230	55.23164
## 6998	285.3676	NA 392.25835	33.1658	1.0580	1.0492580	56.02770
## 6999	281.1072	NA 389.37672	33.4876	1.0580	1.0299720	56.78889
## 7000	276.8468	NA 386.49509	33.8094	1.0580	1.0180140	57.56704
## 7001	272.5864	NA 383.61346	34.1312	1.0580	1.0124880	58.30439
## 7002	268.3260	NA 380.73183	34.4530	1.0580	1.0106760	58.93933
## 7063	260.6330	NA 440.95576	25.9460	1.0500	1.0048980	58.28377
## 7064	256.9388	NA 438.29495	26.1492	1.0500	1.0087610	57.89031
## 7065	253.2446	NA 435.63414	26.3524	1.0500	1.0137070	57.43089
## 7066	249.5504	NA 432.97334	26.5556	1.0500	1.0179260	57.23684
## 7067	245.8562	NA 430.31253	26.7588	1.0500	1.0209570	57.08477
## 7068	242.1620	NA 427.65173	26.9620	1.0500	1.0229610	57.29502
## 7129	67.8630	NA 72.51696	64.4380	1.0600	1.0434780	59.29487
## 7130	64.3914	NA 69.23152	64.7768	1.0600	1.0269520	58.65385
## 7131	60.9198	NA 65.94609	65.1156	1.0600	1.0134090	57.64331
## 7132	57.4482	NA 62.66065	65.4544	1.0600	1.0029640	57.50799
## 7133	53.9766	57.1 59.37521	65.7932	1.0600	0.9970430	56.68790
## 7134	50.5050	53.7 56.08977	66.1320	1.0600	0.9991304	55.73248
## 7195	160.4640	316.4 313.75489	35.4540	1.0500	0.9429034	54.54545
## 7196	157.9660	311.4 308.09687	36.0810	1.0500	0.9613478	54.88166
## 7197	155.4680	306.3 302.43885	36.7080	1.0500	0.9910009	54.70333
## 7198	152.9700	300.7 296.78084	37.3350	1.0500	1.0177230	54.44288
## 7199	150.4720	294.8 291.12282	37.9620	1.0500	1.0361950	54.67033
## 7200	147.9740	288.8 285.46480	38.5890	1.0500	1.0464690	54.75234
## 7261	132.3400	NA 222.92090	44.6480	1.0420	1.0136350	51.82186
## 7262	126.4890	NA 211.94620	45.7582	1.0420	1.0222170	51.97628
## 7263	120.6380	NA 200.97150	46.8684	1.0420	1.0333240	51.72414
## 7264	114.7870	NA 189.99680	47.9786	1.0420	1.0426070	51.30112
## 7265	108.9360	NA 179.02210	49.0888	1.0420	1.0480090	51.26354
## 7266	103.0850	NA 168.04740	50.1990	1.0420	1.0496340	51.22807
## 7327	140.8700	NA 228.06239	46.1240	1.0500	1.0510000	54.08396

## 7328	136.9300	NA 221.12105	47.0382	1.0500	1.0480420	53.69330
## 7329	132.9900	NA 214.17971	47.9524	1.0500	1.0398520	53.13678
## 7330	129.0500	NA 207.23837	48.8666	1.0500	1.0326110	52.66371
## 7331	125.1100	NA 200.29703	49.7808	1.0500	1.0276990	52.33544
## 7332	121.1700	NA 193.35570	50.6950	1.0500	1.0248570	52.11471
## 7393	106.4980	NA 154.39441	52.5730	1.0700	1.0650540	56.25000
## 7394	104.4996	NA 151.22814	52.9736	1.0700	1.0649200	54.54545
## 7395	102.5012	NA 148.06187	53.3742	1.0700	1.0651810	54.28571
## 7396	100.5028	NA 144.89560	53.7748	1.0700	1.0663170	54.28571
## 7397	98.5044	NA 141.72933	54.1754	1.0700	1.0661060	51.35135
## 7398	96.5060	NA 138.56306	54.5760	1.0700	1.0670380	55.26316
## 7459	93.4940	NA 118.78619	56.9990	1.0610	1.0322450	64.20333
## 7460	91.0450	NA 115.24464	57.4062	1.0610	1.0339880	64.27372
## 7461	88.5960	NA 111.70309	57.8134	1.0610	1.0338520	64.35033
## 7462	86.1470	NA 108.16155	58.2206	1.0610	1.0330110	64.36597
## 7463	83.6980	NA 104.62000	58.6278	1.0610	1.0324200	64.41142
## 7464	81.2490	NA 101.07845	59.0350	1.0610	1.0328890	64.44614
## 7525	200.9370	NA 317.57052	40.2690	1.0300	0.9990562	63.71795
## 7526	197.3290	NA 312.80753	40.8514	1.0300	0.9978315	63.17781
## 7527	193.7210	NA 308.04454	41.4338	1.0300	0.9943408	62.87129
## 7528	190.1130	NA 303.28154	42.0162	1.0300	0.9915400	62.08991
## 7529	186.5050	NA 298.51855	42.5986	1.0300	0.9891865	61.85936
## 7530	182.8970	NA 293.75556	43.1810	1.0300	0.9864184	61.52047
## 7591	135.9280	NA 150.20504	57.4320	1.0800	1.0460160	55.94937
## 7592	132.7574	NA 146.73690	57.8994	1.0800	1.0479180	56.85786
## 7593	129.5868	NA 143.26876	58.3668	1.0800	1.0527680	57.56098
## 7594	126.4162	NA 139.80063	58.8342	1.0800	1.0575770	57.81991
## 7595	123.2456	NA 136.33249	59.3016	1.0800	1.0618690	58.19861
## 7596	120.0750	NA 132.86435	59.7690	1.0800	1.0656480	58.33333
## 7657	159.3040	NA 271.21362	43.8950	1.0500	1.0438720	57.47830
## 7658	157.6716	NA 267.36432	44.2500	1.0500	1.0468880	57.23713
## 7659	156.0392	NA 263.51501	44.6050	1.0500	1.0374870	56.75761
## 7660	154.4068	NA 259.66571	44.9600	1.0500	1.0290480	56.30209
## 7661	152.7744	NA 255.81640	45.3150	1.0500	1.0240130	55.96773
## 7662	151.1420	NA 251.96710	45.6700	1.0500	1.0219980	55.61268
## 7723	238.8530	NA 394.97560	28.7850	1.0300	0.9872310	55.57491
## 7724	235.1068	NA 389.14178	29.2854	1.0300	0.9885372	55.31616
## 7725	231.3606	NA 383.30796	29.7858	1.0300	0.9894858	55.25142
## 7726	227.6144	NA 377.47413	30.2862	1.0300	0.9902512	55.22930
## 7727	223.8682	NA 371.64031	30.7866	1.0300	0.9909393	55.23299
## 7728	220.1220	NA 365.80648	31.2870	1.0300	0.9916716	55.40105
## 7789	250.7810	NA 371.33382	30.8930	1.0300	1.0034800	61.64774
## 7790	243.2320	NA 360.36586	31.9278	1.0300	0.9867337	61.10364
## 7791	235.6830	NA 349.39790	32.9626	1.0300	0.9692032	60.39490
## 7792	228.1340	NA 338.42994	33.9974	1.0300	0.9567941	59.81112
## 7793	220.5850	NA 327.46198	35.0322	1.0300	0.9505502	59.37550
## 7794	213.0360	NA 316.49402	36.0670	1.0300	0.9492887	59.03433
## 7855	194.2660	NA 290.84208	38.2220	1.0300	1.0375030	57.11340
## 7856	189.7344	NA 284.01654	38.9268	1.0300	1.0266430	56.68016
## 7857	185.2028	NA 277.19100	39.6316	1.0300	1.0091700	56.03960
## 7858	180.6712	NA 270.36545	40.3364	1.0300	0.9944077	55.72816
## 7859	176.1396	NA 263.53991	41.0412	1.0300	0.9853016	55.89354
## 7860	171.6080	NA 256.71436	41.7460	1.0300	0.9813937	55.39033
## 7921	233.0850	NA 346.05940	33.4550	1.0450	1.0471870	59.51904



## 7922	232.1760	NA	344.78491	33.5660	1.0450	1.0411710	59.16599
## 7923	231.2670	NA	343.51043	33.6770	1.0450	1.0355020	58.64219
## 7924	230.3580	NA	342.23595	33.7880	1.0450	1.0321560	58.36117
## 7925	229.4490	NA	340.96147	33.8990	1.0450	1.0311770	58.18560
## 7926	228.5400	NA	339.68699	34.0100	1.0450	1.0318160	58.21763
## 7987	27.7380	31.9	36.20774	70.9180	1.0580	1.0561180	63.11958
## 7988	26.7896	30.4	34.97273	71.1204	1.0580	1.0557950	62.78451
## 7989	25.8412	29.0	33.73772	71.3228	1.0580	1.0550430	62.68976
## 7990	24.8928	27.6	32.50272	71.5252	1.0580	1.0542960	62.49640
## 7991	23.9444	26.3	31.26771	71.7276	1.0580	1.0536540	62.15139
## 7992	22.9960	25.1	30.03270	71.9300	1.0580	1.0529750	61.75452
## 8053	136.9810	NA	203.37230	46.8740	1.0500	1.0346470	60.00000
## 8054	132.9168	NA	196.84607	47.6468	1.0500	1.0320590	59.37500
## 8055	128.8526	NA	190.31984	48.4196	1.0500	1.0297860	60.00000
## 8056	124.7884	NA	183.79361	49.1924	1.0500	1.0308520	60.00000
## 8057	120.7242	NA	177.26737	49.9652	1.0500	1.0324900	60.60606
## 8058	116.6600	NA	170.74114	50.7380	1.0500	1.0337410	58.82353
## 8119	29.2070	35.5	37.10939	68.7180	1.0680	1.0530970	61.94969
## 8120	28.6762	34.8	36.36028	68.9104	1.0666	1.0549400	61.44764
## 8121	28.1454	33.9	35.61116	69.1028	1.0652	1.0585410	61.01355
## 8122	27.6146	33.0	34.86205	69.2952	1.0638	1.0617930	60.68627
## 8123	27.0838	32.1	34.11293	69.4876	1.0624	1.0628880	60.15326
## 8124	26.5530	31.3	33.36381	69.6800	1.0610	1.0616340	59.78464
## 8185	193.9520	NA	282.14667	39.1440	1.0500	1.0680750	54.36293
## 8186	189.6266	NA	276.44998	39.7726	1.0500	1.0593920	53.82883
## 8187	185.3012	NA	270.75329	40.4012	1.0500	1.0460130	53.06122
## 8188	180.9758	NA	265.05660	41.0298	1.0500	1.0362390	52.68741
## 8189	176.6504	NA	259.35992	41.6584	1.0500	1.0307610	52.43317
## 8190	172.3250	211.0	253.66323	42.2870	1.0500	1.0283700	52.05570
## 8251	163.5460	NA	325.64671	34.6400	1.0500	0.8015367	49.66784
## 8252	163.2096	NA	325.61540	34.7062	1.0500	0.8363588	49.63974
## 8253	162.8732	NA	325.58410	34.7724	1.0500	0.9042937	49.68715
## 8254	162.5368	NA	325.55279	34.8386	1.0500	0.9689818	49.82130
## 8255	162.2004	NA	325.52148	34.9048	1.0500	1.0153240	50.05210
## 8256	161.8640	NA	325.49017	34.9710	1.0500	1.0412620	50.50676
## 8317	214.4220	NA	357.86062	32.0170	1.0590	1.0412550	55.28672
## 8318	211.6174	NA	353.38058	32.4160	1.0590	1.0365640	55.16900
## 8319	208.8128	NA	348.90055	32.8150	1.0590	1.0286620	55.18822
## 8320	206.0082	NA	344.42051	33.2140	1.0590	1.0216320	55.27853
## 8321	203.2036	NA	339.94047	33.6130	1.0590	1.0170740	55.39851
## 8322	200.3990	NA	335.46044	34.0120	1.0590	1.0150730	55.55907
## 8383	24.6540	32.8	33.27835	71.8210	1.0670	1.0600220	66.24809
## 8384	24.0616	30.8	32.38403	71.9880	1.0660	1.0595110	65.72727
## 8385	23.4692	29.1	31.48971	72.1550	1.0650	1.0590880	65.38692
## 8386	22.8768	27.7	30.59539	72.3220	1.0640	1.0585450	64.98366
## 8387	22.2844	26.6	29.70107	72.4890	1.0630	1.0574880	64.50853
## 8388	21.6920	25.8	28.80675	72.6560	1.0620	1.0556880	64.15865
## 8449	241.4930	NA	417.43653	31.5740	1.0500	1.0404240	54.70460
## 8450	235.3852	NA	405.80419	32.4700	1.0500	1.0398860	54.54545
## 8451	229.2774	NA	394.17185	33.3660	1.0500	1.0392570	54.46809
## 8452	223.1696	NA	382.53951	34.2620	1.0500	1.0392400	54.50734
## 8453	217.0618	NA	370.90716	35.1580	1.0500	1.0396080	53.90947
## 8454	210.9540	NA	359.27482	36.0540	1.0500	1.0398460	54.43548
## 8515	305.4710	NA	415.58888	31.3590	1.0640	1.0784420	54.09142

## 8516	295.5078	388.8	402.17770	32.4972	1.0640	1.0694030	54.35012
## 8517	285.5446	371.5	388.76653	33.6354	1.0640	1.0568500	54.71742
## 8518	275.5814	354.7	375.35535	34.7736	1.0640	1.0462020	55.08882
## 8519	265.6182	338.9	361.94417	35.9118	1.0640	1.0397140	55.44644
## 8520	255.6550	324.1	348.53299	37.0500	1.0640	1.0370990	55.78697
## 8581	97.7040	NA	143.36900	54.1030	1.0500	1.0321050	54.13271
## 8582	95.3022	119.1	140.22161	54.6428	1.0500	1.0314640	54.14302
## 8583	92.9004	115.6	137.07422	55.1826	1.0500	1.0306520	53.59116
## 8584	90.4986	112.3	133.92682	55.7224	1.0500	1.0302880	53.49839
## 8585	88.0968	109.0	130.77943	56.2622	1.0500	1.0304680	53.45912
## 8586	85.6950	105.9	127.63204	56.8020	1.0500	1.0310750	53.21101
## 8647	162.4540	NA	256.17320	32.1750	1.0800	1.0635620	56.49883
## 8648	159.9604	NA	251.80738	32.6754	1.0800	1.0550050	56.21747
## 8649	157.4668	NA	247.44156	33.1758	1.0800	1.0492350	56.08224
## 8650	154.9732	NA	243.07574	33.6762	1.0800	1.0457720	55.89397
## 8651	152.4796	NA	238.70992	34.1766	1.0800	1.0446210	55.75960
## 8652	149.9860	233.4	234.34410	34.6770	1.0800	1.0454300	55.90335
## 8713	77.1550	NA	107.30897	62.1600	1.0500	1.0373490	50.03394
## 8714	76.4108	NA	106.25082	62.2734	1.0500	1.0405370	50.06614
## 8715	75.6666	NA	105.19267	62.3868	1.0500	1.0398820	49.74194
## 8716	74.9224	NA	104.13452	62.5002	1.0500	1.0378300	49.78001
## 8717	74.1782	NA	103.07637	62.6136	1.0500	1.0359430	49.54016
## 8718	73.4340	NA	102.01822	62.7270	1.0500	1.0354800	49.37238
## 8779	169.0360	NA	291.03169	41.5310	1.0500	1.0247830	54.95600
## 8780	166.9538	NA	286.52222	42.0058	1.0500	1.0257530	54.70722
## 8781	164.8716	306.2	282.01274	42.4806	1.0500	1.0271660	54.52756
## 8782	162.7894	293.0	277.50326	42.9554	1.0500	1.0286360	54.34053
## 8783	160.7072	280.3	272.99379	43.4302	1.0500	1.0297870	54.19393
## 8784	158.6250	268.5	268.48431	43.9050	1.0500	1.0303980	54.11403
## 8845	106.9690	NA	152.84440	53.7760	1.0600	1.0743000	52.82024
## 8846	104.9254	NA	149.75058	54.1068	1.0600	1.0687960	52.40817
## 8847	102.8818	NA	146.65676	54.4376	1.0600	1.0598350	51.85259
## 8848	100.8382	141.4	143.56294	54.7684	1.0600	1.0531910	51.37397
## 8849	98.7946	135.4	140.46913	55.0992	1.0600	1.0495070	51.09731
## 8850	96.7510	129.7	137.37531	55.4300	1.0600	1.0477040	50.94008
## 8911	98.6460	NA	116.05458	56.9860	1.0560	1.0344830	65.38431
## 8912	94.7000	NA	111.16266	57.8768	1.0560	1.0346750	64.93825
## 8913	90.7540	NA	106.27074	58.7676	1.0560	1.0352130	64.71365
## 8914	86.8080	NA	101.37883	59.6584	1.0560	1.0360490	64.48773
## 8915	82.8620	NA	96.48691	60.5492	1.0560	1.0374230	64.11589
## 8916	78.9160	NA	91.59500	61.4400	1.0560	1.0395630	63.57402
## 8977	97.1540	NA	149.43167	57.6390	1.0600	1.0470300	63.40739
## 8978	96.1854	NA	146.59660	58.0592	1.0600	1.0473450	63.48001
## 8979	95.2168	NA	143.76152	58.4794	1.0600	1.0485630	63.57092
## 8980	94.2482	NA	140.92645	58.8996	1.0600	1.0499720	63.61186
## 8981	93.2796	130.5	138.09137	59.3198	1.0600	1.0509870	63.57292
## 8982	92.3110	127.2	135.25630	59.7400	1.0600	1.0513060	63.47997
## 9043	124.7110	NA	191.00082	51.2330	1.0500	1.0314850	60.34000
## 9044	120.9528	NA	185.43039	52.0252	1.0500	1.0376320	56.54074
## 9045	117.1946	NA	179.85996	52.8174	1.0500	1.0390300	54.78333
## 9046	113.4364	NA	174.28954	53.6096	1.0500	1.0377950	54.98750
## 9047	109.6782	NA	168.71911	54.4018	1.0500	1.0321740	55.17353
## 9048	105.9200	NA	163.14869	55.1940	1.0500	1.0242310	55.36667
## 9109	101.4330	NA	127.90868	58.9930	1.0580	1.0363890	66.00764

## 9110	99.3306	NA 125.00352	59.4230	1.0580	1.0297880	65.75824
## 9111	97.2282	NA 122.09836	59.8530	1.0580	1.0324030	65.75604
## 9112	95.1258	NA 119.19320	60.2830	1.0580	1.0370910	65.91791
## 9113	93.0234	NA 116.28804	60.7130	1.0580	1.0415970	66.04036
## 9114	90.9210	NA 113.38288	61.1430	1.0580	1.0443020	65.98982
## 9175	141.5160	NA 206.46754	52.2390	1.0590	1.0352830	65.30316
## 9176	133.3058	NA 193.66165	53.4948	1.0582	1.0373760	65.31168
## 9177	125.0956	NA 180.85576	54.7506	1.0574	1.0385350	66.15425
## 9178	116.8854	NA 168.04986	56.0064	1.0566	1.0386320	66.99403
## 9179	108.6752	NA 155.24397	57.2622	1.0558	1.0378930	67.37753
## 9180	100.4650	NA 142.43808	58.5180	1.0550	1.0373200	67.22224
## 9241	169.1130	NA 285.10938	38.5290	1.0100	1.0047530	53.97987
## 9242	167.3676	NA 282.20947	38.8266	1.0100	0.9992387	53.44291
## 9243	165.6222	NA 279.30957	39.1242	1.0100	0.9918633	53.04799
## 9244	163.8768	NA 276.40966	39.4218	1.0100	0.9854733	52.56518
## 9245	162.1314	NA 273.50975	39.7194	1.0100	0.9812005	52.14373
## 9246	160.3860	NA 270.60984	40.0170	1.0100	0.9791168	51.58353
## 9307	117.5580	NA 177.84665	43.3590	1.0800	1.0897690	50.00000
## 9308	115.5044	NA 174.23232	43.8726	1.0800	1.0892210	50.58824
## 9309	113.4508	NA 170.61799	44.3862	1.0800	1.0757730	50.57471
## 9310	111.3972	NA 167.00366	44.8998	1.0800	1.0592570	49.43820
## 9311	109.3436	NA 163.38933	45.4134	1.0800	1.0456480	50.00000
## 9312	107.2900	NA 159.77500	45.9270	1.0800	1.0382960	52.12766
## 9373	136.5610	NA 232.90514	43.9080	1.0300	1.0333400	66.66667
## 9374	134.1368	NA 228.33634	44.4066	1.0300	1.0195420	66.10169
## 9375	131.7126	NA 223.76754	44.9052	1.0300	1.0157450	63.79310
## 9376	129.2884	NA 219.19875	45.4038	1.0300	1.0180610	63.79310
## 9377	126.8642	NA 214.62995	45.9024	1.0300	1.0249790	67.24138
## 9378	124.4400	NA 210.06115	46.4010	1.0300	1.0315880	66.10169
## 9439	222.5510	NA 329.54290	39.4660	1.0300	1.0300790	54.72605
## 9440	218.3688	NA 323.57422	39.9614	1.0300	1.0212730	54.42326
## 9441	214.1866	NA 317.60554	40.4568	1.0300	1.0089350	54.23264
## 9442	210.0044	NA 311.63686	40.9522	1.0300	0.9985685	54.16543
## 9443	205.8222	NA 305.66818	41.4476	1.0300	0.9919086	54.15704
## 9444	201.6400	NA 299.69950	41.9430	1.0300	0.9885584	54.06013
## 9505	132.5790	346.2 338.95033	33.4540	1.0360	0.9827821	54.94550
## 9506	131.6110	340.8 335.21696	33.8576	1.0360	0.9905207	54.74308
## 9507	130.6430	335.2 331.48359	34.2612	1.0360	1.0000210	54.58060
## 9508	129.6750	329.6 327.75021	34.6648	1.0360	1.0077290	54.45619
## 9509	128.7070	324.0 324.01684	35.0684	1.0360	1.0128500	54.55216
## 9510	127.7390	318.8 320.28347	35.4720	1.0360	1.0158360	54.67290
## 9571	131.7550	NA 153.84374	56.6400	1.0520	1.0411890	64.28996
## 9572	128.9084	NA 150.16997	57.1356	1.0520	1.0400310	64.16168
## 9573	126.0618	NA 146.49620	57.6312	1.0520	1.0368630	64.15338
## 9574	123.2152	NA 142.82243	58.1268	1.0520	1.0338620	64.08042
## 9575	120.3686	NA 139.14866	58.6224	1.0520	1.0316690	64.04306
## 9576	117.5220	NA 135.47490	59.1180	1.0520	1.0301220	64.03594
## 9637	92.6810	118.5 120.83046	56.5140	1.0600	1.0379170	61.34023
## 9638	91.1548	117.4 118.86041	56.8040	1.0600	1.0231680	60.57262
## 9639	89.6286	116.1 116.89036	57.0940	1.0600	1.0276920	59.66398
## 9640	88.1024	114.6 114.92031	57.3840	1.0600	1.0388490	58.99752
## 9641	86.5762	113.0 112.95026	57.6740	1.0600	1.0496550	58.63522
## 9642	85.0500	111.4 110.98021	57.9640	1.0600	1.0565030	58.45671
## 9703	243.2680	NA 432.27900	27.7630	1.0180	0.9967928	57.61317

## 9704	241.7854	NA	429.49810	27.9732	1.0180	0.9816575	57.36118
## 9705	240.3028	NA	426.71720	28.1834	1.0180	0.9585642	57.48865
## 9706	238.8202	NA	423.93630	28.3936	1.0180	0.9372450	57.55611
## 9707	237.3376	NA	421.15540	28.6038	1.0180	0.9222429	57.79093
## 9708	235.8550	NA	418.37450	28.8140	1.0180	0.9146518	58.04094
## 9769	78.7770	NA	108.89327	56.4090	1.0730	1.0665950	57.24070
## 9770	75.2176	NA	104.06966	57.1728	1.0730	1.0669330	56.74157
## 9771	71.6582	NA	99.24604	57.9366	1.0730	1.0661560	56.87500
## 9772	68.0988	NA	94.42243	58.7004	1.0730	1.0655550	56.87606
## 9773	64.5394	78.1	89.59881	59.4642	1.0730	1.0656760	56.69355
## 9774	60.9800	72.0	84.77520	60.2280	1.0730	1.0657680	56.43185
## 9835	110.0830	NA	126.78784	60.1570	1.0500	1.0335570	64.59121
## 9836	102.8856	NA	118.68161	61.0156	1.0500	1.0406360	64.27350
## 9837	95.6882	NA	110.57539	61.8742	1.0500	1.0449940	63.77579
## 9838	88.4908	NA	102.46917	62.7328	1.0500	1.0484410	63.38067
## 9839	81.2934	NA	94.36294	63.5914	1.0500	1.0505060	63.01150
## 9840	74.0960	NA	86.25672	64.4500	1.0500	1.0503660	62.78521
## 9901	26.8410	NA	34.38886	63.3250	1.0540	1.0244840	65.64834
## 9902	26.0268	NA	33.24602	63.7814	1.0540	1.0302470	65.31714
## 9903	25.2126	NA	32.10318	64.2378	1.0540	1.0400520	65.21448
## 9904	24.3984	NA	30.96034	64.6942	1.0540	1.0484910	65.13639
## 9905	23.5842	NA	29.81750	65.1506	1.0540	1.0539100	65.21452
## 9906	22.7700	NA	28.67466	65.6070	1.0540	1.0570020	65.02947
## 9967	160.6110	NA	242.20411	42.8610	1.0700	1.0000000	56.51685
## 9968	157.7074	NA	237.50778	43.3664	1.0700	1.0198370	55.32198
## 9969	154.8038	NA	232.81145	43.8718	1.0700	1.0356690	54.67340
## 9970	151.9002	NA	228.11512	44.3772	1.0700	1.0450490	54.07629
## 9971	148.9966	NA	223.41878	44.8826	1.0700	1.0513470	54.06869
## 9972	146.0930	NA	218.72245	45.3880	1.0700	1.0581620	55.50196
## 10033	213.8470	NA	356.43779	31.9860	1.0300	1.0096230	56.09541
## 10034	211.0642	NA	352.00817	32.3864	1.0300	1.0064600	55.80589
## 10035	208.2814	NA	347.57856	32.7868	1.0300	1.0004540	55.59336
## 10036	205.4986	NA	343.14894	33.1872	1.0300	0.9951231	55.56946
## 10037	202.7158	NA	338.71933	33.5876	1.0300	0.9917022	55.56465
## 10038	199.9330	NA	334.28971	33.9880	1.0300	0.9901638	55.56002
## 10099	144.7800	NA	216.79711	42.0330	1.0300	1.0045090	57.84127
## 10100	141.7470	NA	211.79828	42.6282	1.0300	1.0003270	57.42871
## 10101	138.7140	NA	206.79944	43.2234	1.0300	0.9963580	57.05209
## 10102	135.6810	NA	201.80060	43.8186	1.0300	0.9936764	56.73667
## 10103	132.6480	NA	196.80176	44.4138	1.0300	0.9925244	56.51508
## 10104	129.6150	NA	191.80292	45.0090	1.0300	0.9925252	56.36009
## 10165	74.4840	115.5	102.77698	60.8450	1.0640	1.0472710	66.27360
## 10166	72.1254	101.8	98.63094	61.5112	1.0640	1.0458910	66.26766
## 10167	69.7668	91.0	94.48490	62.1774	1.0640	1.0466460	66.18128
## 10168	67.4082	83.1	90.33886	62.8436	1.0640	1.0479240	65.99749
## 10169	65.0496	78.1	86.19282	63.5098	1.0640	1.0489040	65.75902
## 10170	62.6910	74.9	82.04678	64.1760	1.0640	1.0491550	65.52577
## 10231	104.4030	NA	171.73901	50.7260	1.0340	1.0401980	51.84497
## 10232	101.3280	135.3	166.21796	51.4842	1.0342	1.0373400	51.97513
## 10233	98.2530	132.6	160.69691	52.2424	1.0344	1.0337730	52.30843
## 10234	95.1780	129.9	155.17585	53.0006	1.0346	1.0309620	52.63840
## 10235	92.1030	127.0	149.65480	53.7588	1.0348	1.0288830	52.86573
## 10236	89.0280	123.6	144.13375	54.5170	1.0350	1.0273050	53.11899
## 10297	166.1720	NA	224.88556	49.9190	1.0300	1.0558950	59.03614

## 10298	162.5658	NA	219.76854	50.4454	1.0300	1.0823060	58.33333
## 10299	158.9596	NA	214.65152	50.9718	1.0300	1.0971160	57.64706
## 10300	155.3534	NA	209.53449	51.4982	1.0300	1.0908470	57.64706
## 10301	151.7472	NA	204.41747	52.0246	1.0300	1.0701810	56.97674
## 10302	148.1410	NA	199.30044	52.5510	1.0300	1.0479230	56.97674
## 10363	99.6530	NA	150.53050	47.0440	1.0300	1.0240430	47.76119
## 10364	104.1264	NA	153.69190	47.8514	1.0300	1.0218370	47.05882
## 10365	108.5998	NA	156.85331	48.6588	1.0300	1.0176400	44.28571
## 10366	113.0732	NA	160.01471	49.4662	1.0300	1.0134140	44.28571
## 10367	117.5466	NA	163.17612	50.2736	1.0300	1.0099860	45.83333
## 10368	122.0200	NA	166.33752	51.0810	1.0300	1.0087000	44.59459
## 10429	147.7510	NA	250.46559	41.9930	1.0400	1.0144870	52.94733
## 10430	145.1270	NA	245.86897	42.5016	1.0400	1.0152070	52.71120
## 10431	142.5030	NA	241.27235	43.0102	1.0400	1.0156100	52.55837
## 10432	139.8790	202.9	236.67574	43.5188	1.0400	1.0159010	52.50000
## 10433	137.2550	199.4	232.07912	44.0274	1.0400	1.0162440	52.41834
## 10434	134.6310	195.8	227.48250	44.5360	1.0400	1.0167750	52.40715
## 10495	87.4480	NA	130.14056	53.2800	1.0800	1.0555560	53.95349
## 10496	85.4604	NA	126.97695	53.8200	1.0800	1.0612850	52.01794
## 10497	83.4728	NA	123.81334	54.3600	1.0800	1.0616610	53.27511
## 10498	81.4852	NA	120.64974	54.9000	1.0800	1.0591250	54.23729
## 10499	79.4976	NA	117.48613	55.4400	1.0800	1.0535700	53.27869
## 10500	77.5100	NA	114.32252	55.9800	1.0800	1.0452800	52.00000
## 10561	187.1940	240.1	279.92435	39.3820	1.0300	0.9782953	54.21245
## 10562	184.5066	236.7	275.92055	39.7898	1.0300	0.9784280	53.76344
## 10563	181.8192	233.8	271.91675	40.1976	1.0300	0.9795691	53.68421
## 10564	179.1318	231.3	267.91295	40.6054	1.0300	0.9814258	52.90102
## 10565	176.4444	228.3	263.90916	41.0132	1.0300	0.9837515	52.84281
## 10566	173.7570	225.5	259.90536	41.4210	1.0300	0.9866902	53.09446
## 10627	21.9240	27.1	27.07021	70.5870	1.0650	1.0526870	66.50499
## 10628	21.4156	25.7	26.41046	70.8126	1.0650	1.0548570	66.16233
## 10629	20.9072	24.4	25.75072	71.0382	1.0650	1.0572230	65.92281
## 10630	20.3988	23.2	25.09097	71.2638	1.0650	1.0587990	65.64896
## 10631	19.8904	22.3	24.43123	71.4894	1.0650	1.0595140	65.45656
## 10632	19.3820	21.6	23.77148	71.7150	1.0650	1.0597490	65.28447
## 10693	34.5050	38.5	42.44255	67.9790	1.0520	1.0480770	67.07369
## 10694	33.4074	37.2	41.09542	68.2518	1.0520	1.0530400	66.82184
## 10695	32.3098	35.8	39.74830	68.5246	1.0520	1.0530120	66.61098
## 10696	31.2122	34.5	38.40117	68.7974	1.0520	1.0502670	66.40561
## 10697	30.1146	33.1	37.05405	69.0702	1.0520	1.0474000	66.04926
## 10698	29.0170	31.7	35.70692	69.3430	1.0520	1.0464660	65.86200
## 10759	158.6150	NA	238.96368	45.8740	1.0500	1.1000680	56.63639
## 10760	155.1092	NA	233.32117	46.4316	1.0500	1.0838720	55.95544
## 10761	151.6034	NA	227.67866	46.9892	1.0500	1.0551800	54.88178
## 10762	148.0976	267.7	222.03616	47.5468	1.0500	1.0329880	53.98972
## 10763	144.5918	252.7	216.39365	48.1044	1.0500	1.0197210	53.31056
## 10764	141.0860	238.6	210.75115	48.6620	1.0500	1.0132550	52.65171
## 10825	168.8610	NA	233.68148	50.9680	1.0500	0.8837591	61.78968
## 10826	167.0890	NA	230.50503	51.3828	1.0500	0.8907911	61.95308
## 10827	165.3170	NA	227.32858	51.7976	1.0500	0.9361312	62.25369
## 10828	163.5450	NA	224.15213	52.2124	1.0500	0.9749043	62.18638
## 10829	161.7730	NA	220.97568	52.6272	1.0500	0.9996592	62.23898
## 10830	160.0010	NA	217.79922	53.0420	1.0500	1.0132430	61.63380
## 10891	163.3300	NA	275.45453	39.4730	1.0300	0.9775537	51.83684

## 10892	161.3086	261.2	272.08255	39.8282	1.0300	0.9815351	51.73952
## 10893	159.2872	259.1	268.71058	40.1834	1.0300	0.9872953	51.76266
## 10894	157.2658	257.1	265.33861	40.5386	1.0300	0.9923750	51.86125
## 10895	155.2444	255.4	261.96663	40.8938	1.0300	0.9959852	51.89323
## 10896	153.2230	253.5	258.59466	41.2490	1.0300	0.9983656	51.93914
## 10957	145.9960	210.0	219.14091	48.3180	1.0530	1.0323780	54.61349
## 10958	142.2764	202.7	213.10658	48.8166	1.0532	1.0251770	54.64422
## 10959	138.5568	195.7	207.07225	49.3152	1.0534	1.0234870	54.81271
## 10960	134.8372	189.0	201.03791	49.8138	1.0536	1.0238720	54.96278
## 10961	131.1176	182.5	195.00358	50.3124	1.0538	1.0249930	55.06505
## 10962	127.3980	176.2	188.96924	50.8110	1.0540	1.0260220	55.05883
## 11023	287.1950	NA	420.46214	27.4520	1.0500	1.0287940	56.11470
## 11024	282.6404	NA	414.20223	27.9548	1.0500	1.0278430	55.80453
## 11025	278.0858	NA	407.94233	28.4576	1.0500	1.0267930	55.69217
## 11026	273.5312	NA	401.68242	28.9604	1.0500	1.0260570	55.62984
## 11027	268.9766	NA	395.42251	29.4632	1.0500	1.0255620	55.58458
## 11028	264.4220	NA	389.16260	29.9660	1.0500	1.0248450	55.57813
## 11089	208.2450	324.4	353.38519	31.9410	1.0180	0.9857458	54.22636
## 11090	203.8364	319.1	346.85996	32.6130	1.0180	0.9845073	54.17544
## 11091	199.4278	314.0	340.33472	33.2850	1.0180	0.9855307	54.09154
## 11092	195.0192	309.0	333.80949	33.9570	1.0180	0.9871205	54.06336
## 11093	190.6106	304.1	327.28426	34.6290	1.0180	0.9887160	53.83037
## 11094	186.2020	299.2	320.75902	35.3010	1.0180	0.9900948	54.07056
## 11155	64.8900	NA	88.96310	56.8250	1.0500	1.0703180	48.93617
## 11156	63.6966	NA	87.11146	57.1898	1.0500	1.0715660	48.97959
## 11157	62.5032	NA	85.25982	57.5546	1.0500	1.0686560	52.94118
## 11158	61.3098	NA	83.40818	57.9194	1.0500	1.0657010	50.94340
## 11159	60.1164	NA	81.55654	58.2842	1.0500	1.0646910	51.85185
## 11160	58.9230	NA	79.70490	58.6490	1.0500	1.0648860	52.72727
## 11221	98.6150	NA	131.21605	54.9470	1.0380	1.0020580	55.88235
## 11222	95.4076	NA	126.83193	55.5344	1.0380	1.0063280	55.69044
## 11223	92.2002	NA	122.44780	56.1218	1.0380	1.0148180	55.32544
## 11224	88.9928	88.3	118.06368	56.7092	1.0380	1.0226780	54.96403
## 11225	85.7854	85.2	113.67956	57.2966	1.0380	1.0279370	54.53278
## 11226	82.5780	82.3	109.29544	57.8840	1.0380	1.0309300	54.18919
## 11287	246.6390	NA	318.46447	36.8950	1.0500	1.0212530	55.40765
## 11288	243.7728	NA	315.24261	37.2782	1.0500	1.0208840	55.20692
## 11289	240.9066	NA	312.02076	37.6614	1.0500	1.0209550	54.82247
## 11290	238.0404	NA	308.79890	38.0446	1.0500	1.0216640	54.55967
## 11291	235.1742	NA	305.57704	38.4278	1.0500	1.0227870	54.44273
## 11292	232.3080	NA	302.35518	38.8110	1.0500	1.0242210	54.40020
## 11353	232.7320	NA	309.33920	38.3460	1.0500	1.0502720	57.57133
## 11354	229.5646	NA	305.82726	38.8784	1.0500	1.0369490	57.23654
## 11355	226.3972	NA	302.31532	39.4108	1.0500	1.0124250	56.66250
## 11356	223.2298	286.5	298.80338	39.9432	1.0500	0.9920111	56.15217
## 11357	220.0624	281.5	295.29144	40.4756	1.0500	0.9786956	55.84487
## 11358	216.8950	276.5	291.77950	41.0080	1.0500	0.9717885	55.67971
## 11419	159.8480	NA	208.98518	49.1630	1.0460	1.0565260	61.35425
## 11420	157.8776	NA	205.79987	49.5876	1.0460	1.0427040	61.23779
## 11421	155.9072	NA	202.61455	50.0122	1.0460	1.0281310	61.53232
## 11422	153.9368	NA	199.42924	50.4368	1.0460	1.0175530	61.38846
## 11423	151.9664	NA	196.24392	50.8614	1.0460	1.0117260	61.12377
## 11424	149.9960	NA	193.05861	51.2860	1.0460	1.0096500	60.44280
## 11485	175.5620	NA	295.77943	37.3900	1.0300	1.0151450	53.97441

##	11486	172.5352	NA	290.74256	37.9112	1.0300	1.0112530	53.56941
##	11487	169.5084	NA	285.70570	38.4324	1.0300	1.0061230	53.07918
##	11488	166.4816	NA	280.66884	38.9536	1.0300	1.0019610	52.59775
##	11489	163.4548	256.6	275.63197	39.4748	1.0300	0.9994638	52.29645
##	11490	160.4280	250.8	270.59511	39.9960	1.0300	0.9985170	52.16138
##	11551	111.0340	NA	163.73173	56.5530	1.0590	0.9766759	65.14558
##	11552	104.5766	NA	153.52483	57.6072	1.0592	0.9911836	65.33386
##	11553	98.1192	NA	143.31794	58.6614	1.0594	1.0097790	65.83249
##	11554	91.6618	NA	133.11104	59.7156	1.0596	1.0263500	66.48679
##	11555	85.2044	NA	122.90414	60.7698	1.0598	1.0385510	67.09483
##	11556	78.7470	NA	112.69724	61.8240	1.0600	1.0458090	67.49375
##	11617	218.3010	NA	325.83203	38.1180	1.0450	1.0305490	55.07246
##	11618	210.7896	NA	314.44498	39.2602	1.0450	0.9721388	52.94118
##	11619	203.2782	NA	303.05794	40.4024	1.0450	0.9641256	55.07246
##	11620	195.7668	NA	291.67090	41.5446	1.0450	0.9741209	54.79452
##	11621	188.2554	NA	280.28386	42.6868	1.0450	0.9855030	51.94805
##	11622	180.7440	NA	268.89682	43.8290	1.0450	0.9898667	52.50000
##	11683	32.3900	36.6	38.35562	68.0200	1.0510	1.0501080	66.71211
##	11684	31.5518	35.1	37.28608	68.2722	1.0510	1.0514890	66.43422
##	11685	30.7136	33.6	36.21654	68.5244	1.0510	1.0513720	66.38584
##	11686	29.8754	32.1	35.14699	68.7766	1.0510	1.0505200	66.28603
##	11687	29.0372	30.8	34.07745	69.0288	1.0510	1.0501350	66.06266
##	11688	28.1990	29.6	33.00791	69.2810	1.0510	1.0510980	65.79344
##	11749	33.0810	37.7	38.93708	67.5210	1.0540	1.0460240	64.74435
##	11750	32.4914	36.6	38.18852	67.7328	1.0536	1.0449270	64.08954
##	11751	31.9018	35.6	37.43997	67.9446	1.0532	1.0442900	63.49150
##	11752	31.3122	34.7	36.69141	68.1564	1.0528	1.0438730	62.87907
##	11753	30.7226	33.8	35.94285	68.3682	1.0524	1.0435990	62.25447
##	11754	30.1330	33.0	35.19429	68.5800	1.0520	1.0434950	61.65250
##	11815	61.7790	NA	68.79744	65.1060	1.0500	1.0120040	63.94102
##	11816	60.9028	NA	67.82867	65.3060	1.0500	1.0163650	63.96994
##	11817	60.0266	NA	66.85990	65.5060	1.0500	1.0244640	64.14517
##	11818	59.1504	NA	65.89113	65.7060	1.0500	1.0318820	64.24557
##	11819	58.2742	58.8	64.92235	65.9060	1.0500	1.0366990	64.26132
##	11820	57.3980	60.6	63.95358	66.1060	1.0500	1.0391640	64.24958
##	11881	135.1750	NA	167.28848	53.6240	1.0500	1.0529120	62.73578
##	11882	133.1404	NA	165.14536	54.0518	1.0500	1.0223190	62.89414
##	11883	131.1058	NA	163.00224	54.4796	1.0500	1.0168220	63.32232
##	11884	129.0712	NA	160.85912	54.9074	1.0500	1.0176700	63.62902
##	11885	127.0366	NA	158.71600	55.3352	1.0500	1.0202810	63.63038
##	11886	125.0020	NA	156.57288	55.7630	1.0500	1.0219530	63.44446
##	11947	188.9770	NA	283.10236	38.9470	1.0700	1.1027380	54.62708
##	11948	185.1234	NA	277.28979	39.5460	1.0700	1.0985660	53.54898
##	11949	181.2698	182.6	271.47722	40.1450	1.0700	1.0786860	54.54000
##	11950	177.4162	179.4	265.66464	40.7440	1.0700	1.0578970	52.51538
##	11951	173.5626	175.9	259.85207	41.3430	1.0700	1.0416840	52.49815
##	11952	169.7090	172.4	254.03949	41.9420	1.0700	1.0320920	54.43148
##	12013	124.9690	NA	172.52999	51.9140	1.0500	1.0218280	52.17074
##	12014	121.5768	121.3	168.04679	52.4996	1.0500	1.0276540	52.23152
##	12015	118.1846	115.5	163.56360	53.0852	1.0500	1.0337040	52.32927
##	12016	114.7924	110.1	159.08041	53.6708	1.0500	1.0383300	52.38629
##	12017	111.4002	105.0	154.59722	54.2564	1.0500	1.0409230	52.46154
##	12018	108.0080	100.2	150.11402	54.8420	1.0500	1.0416880	52.53033
##	12079	125.7150	NA	188.33840	49.7450	1.0500	0.9889307	63.91374

##	12080	121.2888	NA	182.25454	50.4970	1.0500	0.9987628	63.40233
##	12081	116.8626	NA	176.17068	51.2490	1.0500	1.0131730	62.65928
##	12082	112.4364	NA	170.08682	52.0010	1.0500	1.0245830	61.85919
##	12083	108.0102	NA	164.00296	52.7530	1.0500	1.0317710	61.09244
##	12084	103.5840	NA	157.91910	53.5050	1.0500	1.0356360	60.28848
##	12145	159.6410	NA	269.66845	40.0160	1.0300	1.0381870	52.22270
##	12146	157.3702	NA	265.83513	40.4268	1.0300	1.0334860	52.14646
##	12147	155.0994	NA	262.00182	40.8376	1.0300	1.0227380	52.25595
##	12148	152.8286	238.0	258.16851	41.2484	1.0300	1.0128070	52.27636
##	12149	150.5578	233.3	254.33520	41.6592	1.0300	1.0060550	52.35134
##	12150	148.2870	229.3	250.50189	42.0700	1.0300	1.0025520	52.26929
##	12211	123.8970	NA	209.29237	46.4930	1.0300	1.0294100	54.67783
##	12212	122.0202	NA	205.71380	46.9022	1.0300	1.0254680	54.41696
##	12213	120.1434	NA	202.13522	47.3114	1.0300	1.0187640	53.76971
##	12214	118.2666	181.8	198.55664	47.7206	1.0300	1.0136160	53.25581
##	12215	116.3898	177.2	194.97807	48.1298	1.0300	1.0106230	53.01127
##	12216	114.5130	172.6	191.39949	48.5390	1.0300	1.0092960	52.98158
##	12277	100.5260	NA	143.93786	53.4680	1.0560	1.0276729	55.84912
##	12278	96.2050	NA	137.19838	54.4128	1.0560	1.0275045	55.50347
##	12279	91.8840	NA	130.45891	55.3576	1.0560	1.0329215	54.72943
##	12280	87.5630	NA	123.71944	56.3024	1.0560	1.0375380	54.09819
##	12281	83.2420	NA	116.97997	57.2472	1.0560	1.0396890	53.76244
##	12282	78.9210	NA	110.24050	58.1920	1.0560	1.0395531	53.58313
##		Pop1564Female		GDPpcc	GDPpccGrowth	Yschooling	YschoolF1549	GenrollPrim
##	1	54.25678	NA		NA	0.270	0.08679564	NA
##	2	54.06208	NA		NA	0.278	0.08758149	NA
##	3	54.08136	NA		NA	0.286	0.08836733	NA
##	4	54.13613	NA		NA	0.294	0.08915317	NA
##	5	54.22245	NA		NA	0.302	0.08993901	NA
##	6	54.21412	NA		NA	0.310	0.09072485	NA
##	67	55.12195	NA		NA	2.600	2.42003720	NA
##	68	54.95208	NA		NA	2.636	2.43540760	NA
##	69	55.00000	NA		NA	2.672	2.45077790	NA
##	70	55.11450	NA		NA	2.708	2.46614830	NA
##	71	54.76190	NA		NA	2.744	2.48151860	NA
##	72	54.92754	NA		NA	2.780	2.49688890	NA
##	133	55.74410	NA		NA	0.850	0.63690221	NA
##	134	55.48822	NA		NA	0.848	0.63831249	NA
##	135	55.00879	NA		NA	0.846	0.63972277	NA
##	136	54.68414	NA		NA	0.844	0.64113305	NA
##	137	54.52636	NA		NA	0.842	0.64254333	NA
##	138	54.44103	NA		NA	0.840	0.64395361	NA
##	199	55.92609	NA		NA	NA	NA	NA
##	200	55.61450	NA		NA	NA	NA	NA
##	201	55.13209	NA		NA	NA	NA	NA
##	202	54.83871	NA		NA	NA	NA	NA
##	203	54.78369	NA		NA	NA	NA	NA
##	204	54.71236	NA		NA	NA	NA	NA
##	265	58.07538	NA		NA	NA	NA	NA
##	266	57.79226	NA		NA	NA	NA	NA
##	267	57.37955	NA		NA	NA	NA	NA
##	268	57.14509	NA		NA	NA	NA	NA
##	269	57.11438	NA		NA	NA	NA	NA
##	270	57.21159	NA		NA	NA	NA	NA



## 331	64.64015	2890.1487	NA	4.850	5.01447110	NA
## 332	64.47786	2964.7908	0.02549840	4.920	5.05566790	NA
## 333	64.34563	2629.3743	-0.12006040	4.990	5.09686470	NA
## 334	64.19975	2679.5783	0.01891330	5.060	5.13806150	NA
## 335	64.07403	2749.8924	0.02590270	5.130	5.17925830	NA
## 336	63.97797	2949.6066	0.07010980	5.200	5.22045510	NA
## 397	58.36850	NA	NA	7.220	7.15312130	NA
## 398	58.67769	NA	NA	7.242	7.17187680	NA
## 399	59.59732	NA	NA	7.264	7.19063240	NA
## 400	60.31332	NA	NA	7.286	7.20938790	NA
## 401	60.63291	NA	NA	7.308	7.22814350	NA
## 402	60.53922	NA	NA	7.330	7.24689900	NA
## 463	50.00000	NA	NA	NA	NA	NA
## 464	50.00000	NA	NA	NA	NA	NA
## 465	50.00000	NA	NA	NA	NA	NA
## 466	47.61905	NA	NA	NA	NA	NA
## 467	47.61905	NA	NA	NA	NA	NA
## 468	50.00000	NA	NA	NA	NA	NA
## 529	64.77693	13309.9435	NA	8.040	8.22466810	NA
## 530	64.10749	12065.8193	-0.09813400	8.086	8.28234660	NA
## 531	63.57243	11544.6943	-0.04415130	8.132	8.34002510	NA
## 532	62.99610	12564.8430	0.08467670	8.178	8.39770360	NA
## 533	62.40737	13091.9882	0.04109760	8.224	8.45538210	NA
## 534	61.84615	13256.0305	0.01245210	8.270	8.51306060	NA
## 595	67.89559	5340.1369	NA	5.970	5.40525630	NA
## 596	67.64547	5538.2276	0.03642270	5.932	5.32079000	NA
## 597	67.44813	5805.9581	0.04721070	5.894	5.23632370	NA
## 598	67.26832	6077.2220	0.04566290	5.856	5.15185740	NA
## 599	67.02557	6481.2181	0.06436060	5.818	5.06739100	NA
## 600	66.84593	7126.0982	0.09485530	5.780	4.98292470	NA
## 661	61.31768	NA	NA	NA	NA	NA
## 662	61.63161	NA	NA	NA	NA	NA
## 663	62.42236	NA	NA	NA	NA	NA
## 664	62.77946	NA	NA	NA	NA	NA
## 665	62.98472	NA	NA	NA	NA	NA
## 666	62.61416	NA	NA	NA	NA	NA
## 727	59.52381	NA	NA	NA	NA	NA
## 728	58.13953	NA	NA	NA	NA	NA
## 729	56.81818	NA	NA	NA	NA	NA
## 730	60.00000	NA	NA	NA	NA	NA
## 731	58.69565	NA	NA	NA	NA	NA
## 732	57.44681	NA	NA	NA	NA	NA
## 793	52.83019	NA	NA	1.000	0.56000000	NA
## 794	50.90909	NA	NA	1.014	0.57871429	NA
## 795	51.78571	NA	NA	1.028	0.59742858	NA
## 796	51.72414	NA	NA	1.042	0.61614286	NA
## 797	53.33333	NA	NA	1.056	0.63485715	NA
## 798	51.61290	NA	NA	1.070	0.65357144	NA
## 859	54.13584	NA	NA	0.930	0.27190144	NA
## 860	54.19163	NA	NA	0.932	0.27468104	NA
## 861	54.41720	NA	NA	0.934	0.27746064	NA
## 862	54.67473	NA	NA	0.936	0.28024024	NA
## 863	54.89433	NA	NA	0.938	0.28301984	NA
## 864	55.10960	NA	NA	0.940	0.28579944	NA

## 925	61.40351	NA	NA	4.630	4.75964920	NA
## 926	60.34483	NA	NA	4.662	4.80324660	NA
## 927	60.16949	NA	NA	4.694	4.84684400	NA
## 928	60.83333	NA	NA	4.726	4.89044140	NA
## 929	57.37705	NA	NA	4.758	4.93403890	NA
## 930	56.91057	NA	NA	4.790	4.97763630	NA
## 991	66.23467	NA	NA	NA	NA	NA
## 992	66.37991	NA	NA	NA	NA	NA
## 993	66.87646	NA	NA	NA	NA	NA
## 994	67.27273	NA	NA	NA	NA	NA
## 995	67.41860	NA	NA	NA	NA	NA
## 996	67.27652	NA	NA	NA	NA	NA
## 1057	67.66453	8087.2222	NA	6.750	6.86337170	NA
## 1058	67.37846	8605.7394	0.06214430	6.808	6.93141590	NA
## 1059	67.20090	8733.1869	0.01470090	6.866	6.99946020	NA
## 1060	66.95828	8695.9341	-0.00427440	6.924	7.06750440	NA
## 1061	66.51806	9030.3484	0.03773500	6.982	7.13554870	NA
## 1062	65.95792	9530.8978	0.05394840	7.040	7.20359290	NA
## 1123	57.14286	NA	NA	7.230	7.44235310	NA
## 1124	55.55556	NA	NA	7.264	7.47332690	NA
## 1125	56.75676	NA	NA	7.298	7.50430080	NA
## 1126	55.26316	NA	NA	7.332	7.53527460	NA
## 1127	52.50000	NA	NA	7.366	7.56624840	NA
## 1128	51.21951	NA	NA	7.400	7.59722230	NA
## 1189	56.89369	NA	NA	0.440	0.36012019	NA
## 1190	56.60848	NA	NA	0.458	0.36341774	NA
## 1191	56.60848	NA	NA	0.476	0.36671528	NA
## 1192	56.84647	NA	NA	0.494	0.37001283	NA
## 1193	56.94215	NA	NA	0.512	0.37331037	NA
## 1194	57.40132	NA	NA	0.530	0.37660792	NA
## 1255	54.65116	NA	NA	NA	NA	NA
## 1256	55.05618	NA	NA	NA	NA	NA
## 1257	53.84615	NA	NA	NA	NA	NA
## 1258	54.83871	NA	NA	NA	NA	NA
## 1259	55.20833	NA	NA	NA	NA	NA
## 1260	57.14286	NA	NA	NA	NA	NA
## 1321	55.04470	1661.1033	NA	2.320	2.14759430	NA
## 1322	54.80830	1851.2322	0.10836940	2.390	2.20040880	NA
## 1323	54.23624	1795.1220	-0.03077840	2.460	2.25322330	NA
## 1324	53.83212	1513.9078	-0.17037870	2.530	2.30603770	NA
## 1325	53.79558	1527.8029	0.00913620	2.600	2.35885220	NA
## 1326	53.70153	1631.3818	0.06559660	2.670	2.41166670	NA
## 1387	59.11402	NA	NA	NA	NA	NA
## 1388	59.25661	NA	NA	NA	NA	NA
## 1389	59.90169	NA	NA	NA	NA	NA
## 1390	60.27586	NA	NA	NA	NA	NA
## 1391	60.50136	NA	NA	NA	NA	NA
## 1392	60.74518	NA	NA	NA	NA	NA
## 1453	55.39906	NA	NA	1.380	1.51519610	NA
## 1454	54.79452	NA	NA	1.388	1.52046720	NA
## 1455	54.22222	NA	NA	1.396	1.52573840	NA
## 1456	53.91304	NA	NA	1.404	1.53100950	NA
## 1457	53.81356	NA	NA	1.412	1.53628060	NA
## 1458	53.30579	NA	NA	1.420	1.54155170	NA

## 1519	55.74470	1672.5734	NA	2.080	2.00580030	NA
## 1520	55.52977	1696.2221	0.01404000	2.122	2.04553220	NA
## 1521	55.41964	1765.7718	0.04018450	2.164	2.08526400	NA
## 1522	55.29317	1773.6009	0.00442410	2.206	2.12499590	NA
## 1523	55.13671	1873.3891	0.05473710	2.248	2.16472770	NA
## 1524	54.97239	1994.3209	0.06255440	2.290	2.20445960	NA
## 1585	60.86957	NA	NA	2.020	1.03636370	NA
## 1586	56.00000	NA	NA	2.070	1.08082430	NA
## 1587	57.69231	NA	NA	2.120	1.12528490	NA
## 1588	53.57143	NA	NA	2.170	1.16974550	NA
## 1589	55.17241	NA	NA	2.220	1.21420610	NA
## 1590	58.06452	NA	NA	2.270	1.25866670	NA
## 1651	66.47367	NA	NA	3.820	3.86993850	NA
## 1652	66.44773	NA	NA	3.976	4.08456230	NA
## 1653	66.38610	NA	NA	4.132	4.29918600	NA
## 1654	66.28064	NA	NA	4.288	4.51380980	NA
## 1655	66.18590	NA	NA	4.444	4.72843350	NA
## 1656	66.06623	NA	NA	4.600	4.94305730	NA
## 1717	56.75012	NA	NA	NA	NA	NA
## 1718	56.58915	NA	NA	NA	NA	NA
## 1719	56.42618	NA	NA	NA	NA	NA
## 1720	56.42958	NA	NA	NA	NA	NA
## 1721	56.54596	NA	NA	NA	NA	NA
## 1722	56.74440	NA	NA	NA	NA	NA
## 1783	56.44223	NA	NA	0.420	0.23324194	NA
## 1784	56.18893	NA	NA	0.440	0.24194523	NA
## 1785	55.79536	NA	NA	0.460	0.25064852	NA
## 1786	55.46814	NA	NA	0.480	0.25935182	NA
## 1787	55.29776	NA	NA	0.500	0.26805511	NA
## 1788	55.25114	NA	NA	0.520	0.27675840	NA
## 1849	59.57447	NA	NA	NA	NA	NA
## 1850	61.22449	NA	NA	NA	NA	NA
## 1851	60.00000	NA	NA	NA	NA	NA
## 1852	57.84314	NA	NA	NA	NA	NA
## 1853	58.25243	NA	NA	NA	NA	NA
## 1854	58.25243	NA	NA	NA	NA	NA
## 1915	55.00903	NA	NA	0.420	0.13319108	NA
## 1916	54.71366	NA	NA	0.464	0.14872564	NA
## 1917	54.20601	NA	NA	0.508	0.16426019	NA
## 1918	53.78186	NA	NA	0.552	0.17979475	NA
## 1919	53.39569	NA	NA	0.596	0.19532931	NA
## 1920	53.14851	NA	NA	0.640	0.21086387	NA
## 1981	57.09267	NA	NA	0.700	0.33842779	NA
## 1982	56.99482	NA	NA	0.736	0.35961459	NA
## 1983	56.87606	NA	NA	0.772	0.38080139	NA
## 1984	56.77931	NA	NA	0.808	0.40198819	NA
## 1985	56.90857	NA	NA	0.844	0.42317499	NA
## 1986	56.92990	NA	NA	0.880	0.44436179	NA
## 2047	62.82506	11248.4627	NA	7.600	8.19957290	NA
## 2048	62.35785	11405.1699	0.01383500	7.666	8.25174060	NA
## 2049	61.92545	12083.8108	0.05780030	7.732	8.30390840	NA
## 2050	61.43149	12367.5342	0.02320860	7.798	8.35607610	NA
## 2051	60.79003	11916.4890	-0.03715230	7.864	8.40824380	NA
## 2052	60.22683	12731.2596	0.06613730	7.930	8.46041150	NA

## 2113	58.69242	NA	NA	0.390	0.26491071	NA
## 2114	58.52941	NA	NA	0.400	0.26751730	NA
## 2115	58.07860	NA	NA	0.410	0.27012389	NA
## 2116	58.21326	NA	NA	0.420	0.27273048	NA
## 2117	58.40456	NA	NA	0.430	0.27533707	NA
## 2118	58.08720	NA	NA	0.440	0.27794366	NA
## 2179	58.40568	NA	NA	NA	NA	NA
## 2180	58.09450	NA	NA	NA	NA	NA
## 2181	57.44681	NA	NA	NA	NA	NA
## 2182	57.00447	NA	NA	NA	NA	NA
## 2183	56.94444	NA	NA	NA	NA	NA
## 2184	56.63082	NA	NA	NA	NA	NA
## 2245	59.25806	NA	NA	4.810	4.94182000	NA
## 2246	58.86435	4474.0979	NA	4.844	4.95152920	NA
## 2247	58.46961	4789.3794	0.06809620	4.878	4.96123840	NA
## 2248	58.06938	4768.4262	-0.00438500	4.912	4.97094760	NA
## 2249	57.78761	4972.7915	0.04196550	4.946	4.98065690	NA
## 2250	57.59585	4855.4469	-0.02388000	4.980	4.99036610	NA
## 2311	61.03725	NA	NA	1.610	1.52663990	NA
## 2312	60.14517	NA	NA	1.680	1.59581770	NA
## 2313	59.15421	910.3775	NA	1.750	1.66499540	NA
## 2314	58.37037	983.4547	0.07721230	1.820	1.73417310	NA
## 2315	57.88694	986.3008	0.00288960	1.890	1.80335090	NA
## 2316	57.63192	1022.2935	0.03584240	1.960	1.87252860	NA
## 2377	54.14791	3178.8522	NA	2.330	2.34681830	NA
## 2378	53.70312	3090.4391	-0.02820680	2.400	2.42368010	NA
## 2379	53.32726	3191.1856	0.03207870	2.470	2.50054190	NA
## 2380	52.95421	3390.7811	0.06066800	2.540	2.57740380	NA
## 2381	52.62780	3642.5557	0.07162480	2.610	2.65426560	NA
## 2382	52.33775	3630.2913	-0.00337220	2.680	2.73112740	NA
## 2443	58.22785	NA	NA	NA	NA	NA
## 2444	57.50000	NA	NA	NA	NA	NA
## 2445	58.53659	NA	NA	NA	NA	NA
## 2446	58.33333	NA	NA	NA	NA	NA
## 2447	57.64706	NA	NA	NA	NA	NA
## 2448	57.47126	NA	NA	NA	NA	NA
## 2509	53.68226	1838.9525	NA	0.580	0.14762016	NA
## 2510	53.73066	2077.9337	0.12217760	0.594	0.15620200	NA
## 2511	53.86448	2158.9735	0.03825900	0.608	0.16478383	NA
## 2512	54.07776	2413.4137	0.11140920	0.622	0.17336566	NA
## 2513	54.31479	2440.2664	0.01106500	0.636	0.18194750	NA
## 2514	54.53013	2562.8890	0.04902790	0.650	0.19052933	NA
## 2575	56.44769	NA	NA	0.790	0.46902566	NA
## 2576	56.56325	NA	NA	0.826	0.47589342	NA
## 2577	56.20609	NA	NA	0.862	0.48276118	NA
## 2578	56.42202	NA	NA	0.898	0.48962895	NA
## 2579	55.82960	NA	NA	0.934	0.49649671	NA
## 2580	55.70175	NA	NA	0.970	0.50336447	NA
## 2641	53.82979	3222.6041	NA	3.550	3.63241870	NA
## 2642	53.20911	3294.3384	0.02201560	3.592	3.68095160	NA
## 2643	53.41365	3719.8016	0.12146570	3.634	3.72948450	NA
## 2644	53.30739	4366.3302	0.16025260	3.676	3.77801740	NA
## 2645	53.10734	4450.0271	0.01898670	3.718	3.82655040	NA
## 2646	53.00546	4586.5910	0.03022670	3.760	3.87508330	NA

## 2707	54.66461	NA	NA	0.840	0.56646155	NA
## 2708	54.63451	NA	NA	0.848	0.56391520	NA
## 2709	54.93373	NA	NA	0.856	0.56136885	NA
## 2710	55.28397	NA	NA	0.864	0.55882250	NA
## 2711	55.36090	NA	NA	0.872	0.55627615	NA
## 2712	55.66940	NA	NA	0.880	0.55372980	NA
## 2773	66.17063	NA	NA	5.660	5.30588460	NA
## 2774	66.14173	NA	NA	5.728	5.35975930	NA
## 2775	66.37384	NA	NA	5.796	5.41363410	NA
## 2776	66.50532	NA	NA	5.864	5.46750880	NA
## 2777	66.50672	NA	NA	5.932	5.52138360	NA
## 2778	66.49215	NA	NA	6.000	5.57525830	NA
## 2839	58.95913	NA	NA	3.490	3.70323050	NA
## 2840	59.06453	NA	NA	3.506	3.72570190	NA
## 2841	59.13189	NA	NA	3.522	3.74817320	NA
## 2842	59.03890	NA	NA	3.538	3.77064460	NA
## 2843	59.11567	NA	NA	3.554	3.79311600	NA
## 2844	59.44671	NA	NA	3.570	3.81558740	NA
## 2905	56.58023	NA	NA	NA	NA	NA
## 2906	56.06223	NA	NA	NA	NA	NA
## 2907	55.58047	NA	NA	NA	NA	NA
## 2908	55.21689	NA	NA	NA	NA	NA
## 2909	54.93480	NA	NA	NA	NA	NA
## 2910	54.70676	NA	NA	NA	NA	NA
## 2971	60.80000	2784.4617	NA	3.560	2.93612900	NA
## 2972	61.41732	2908.3308	0.04352470	3.698	3.11632750	NA
## 2973	60.85271	3253.0655	0.11201810	3.836	3.29652590	NA
## 2974	61.06870	3654.6880	0.11641310	3.974	3.47672440	NA
## 2975	60.90226	4093.1426	0.11330220	4.112	3.65692280	NA
## 2976	60.37037	4127.4213	0.00833990	4.250	3.83712130	NA
## 3037	67.52566	NA	NA	8.100	7.93507230	NA
## 3038	66.96178	NA	NA	8.128	7.97231740	NA
## 3039	66.37471	NA	NA	8.156	8.00956250	NA
## 3040	65.81341	NA	NA	8.184	8.04680770	NA
## 3041	65.37332	NA	NA	8.212	8.08405280	NA
## 3042	65.00104	NA	NA	8.240	8.12129790	NA
## 3103	65.03952	9473.2100	NA	5.510	5.52159440	NA
## 3104	64.70046	9029.0447	-0.04802130	5.328	5.34239290	NA
## 3105	64.48812	9305.8322	0.03019430	5.146	5.16319140	NA
## 3106	64.44444	9905.1980	0.06241890	4.964	4.98399000	NA
## 3107	64.20531	10192.0655	0.02854920	4.782	4.80478850	NA
## 3108	64.04293	10115.7882	-0.00751210	4.600	4.62558700	NA
## 3169	53.18387	NA	NA	NA	NA	NA
## 3170	51.56250	NA	NA	NA	NA	NA
## 3171	50.06061	NA	NA	NA	NA	NA
## 3172	56.18182	NA	NA	NA	NA	NA
## 3173	54.59118	NA	NA	NA	NA	NA
## 3174	55.94571	NA	NA	NA	NA	NA
## 3235	51.75664	NA	NA	2.520	2.73874520	NA
## 3236	51.45470	2351.3049	NA	2.530	2.73989700	NA
## 3237	51.44928	2161.9214	-0.08397340	2.540	2.74104880	NA
## 3238	51.36399	2038.5632	-0.05875210	2.550	2.74220050	NA
## 3239	51.28205	2174.2536	0.06444030	2.560	2.74335230	NA
## 3240	51.05762	2100.0879	-0.03470610	2.570	2.74450410	NA

## 3301	55.04009	2051.8635	NA	2.550	2.39629530	NA
## 3302	54.63687	2055.9534	0.00199130	2.614	2.46968650	NA
## 3303	53.97603	2214.1118	0.07411150	2.678	2.54307770	NA
## 3304	53.63781	2258.7314	0.01995180	2.742	2.61646900	NA
## 3305	53.33678	2427.3635	0.07200240	2.806	2.68986020	NA
## 3306	53.22581	2459.1946	0.01302810	2.870	2.76325150	NA
## 3367	58.86497	604.3303	NA	0.520	0.18173246	NA
## 3368	58.38603	613.1667	0.01451590	0.550	0.20405490	NA
## 3369	58.39019	554.4174	-0.10071900	0.580	0.22637735	NA
## 3370	58.31009	542.9873	-0.02083210	0.610	0.24869979	NA
## 3371	58.01158	562.8687	0.03596070	0.640	0.27102223	NA
## 3372	57.57291	575.4892	0.02217390	0.670	0.29334468	NA
## 3433	54.03950	672.8816	NA	1.530	1.43809110	NA
## 3434	53.79189	694.2644	0.03128340	1.560	1.46233200	NA
## 3435	53.84615	715.6104	0.03028300	1.590	1.48657290	NA
## 3436	53.68332	745.7768	0.04129080	1.620	1.51081370	NA
## 3437	53.60398	769.4068	0.03119330	1.650	1.53505460	NA
## 3438	53.60324	775.4945	0.00788120	1.680	1.55929550	NA
## 3499	60.86957	NA	NA	NA	NA	NA
## 3500	59.82906	NA	NA	NA	NA	NA
## 3501	59.32203	NA	NA	NA	NA	NA
## 3502	58.82353	NA	NA	NA	NA	NA
## 3503	58.33333	NA	NA	NA	NA	NA
## 3504	57.85124	NA	NA	NA	NA	NA
## 3565	52.43056	NA	NA	NA	NA	NA
## 3566	52.12947	NA	NA	NA	NA	NA
## 3567	52.08681	NA	NA	NA	NA	NA
## 3568	52.37316	NA	NA	NA	NA	NA
## 3569	52.16693	NA	NA	NA	NA	NA
## 3570	52.27630	NA	NA	NA	NA	NA
## 3631	65.29319	NA	NA	6.130	6.41534000	NA
## 3632	65.56604	NA	NA	6.170	6.46965470	NA
## 3633	65.83463	NA	NA	6.210	6.52396950	NA
## 3634	66.25387	NA	NA	6.250	6.57828420	NA
## 3635	66.51306	NA	NA	6.290	6.63259890	NA
## 3636	66.87023	NA	NA	6.330	6.68691370	NA
## 3697	53.13253	336.3328	NA	NA	NA	NA
## 3698	52.97344	377.8300	0.11634350	NA	NA	NA
## 3699	52.99208	386.0442	0.02150730	NA	NA	NA
## 3700	53.09588	402.0343	0.04058600	NA	NA	NA
## 3701	53.23514	399.2310	-0.00699760	NA	NA	NA
## 3702	53.45154	400.0118	0.00195410	NA	NA	NA
## 3763	50.00000	NA	NA	3.620	3.52548380	NA
## 3764	48.95105	NA	NA	3.700	3.59430590	NA
## 3765	49.66443	NA	NA	3.780	3.66312810	NA
## 3766	49.35065	NA	NA	3.860	3.73195020	NA
## 3767	49.05660	NA	NA	3.940	3.80077240	NA
## 3768	50.00000	NA	NA	4.020	3.86959450	NA
## 3829	64.13563	5960.8521	NA	3.860	4.01032360	NA
## 3830	63.67077	7028.6998	0.16478820	3.890	4.03598540	NA
## 3831	63.50023	7037.9605	0.00131700	3.920	4.06164730	NA
## 3832	63.33333	6686.9287	-0.05116370	3.950	4.08730920	NA
## 3833	63.10724	7414.1587	0.10323720	3.980	4.11297100	NA
## 3834	62.74955	8041.2019	0.08118630	4.010	4.13863290	NA

## 3895	65.26839	7057.1486	NA	4.330	4.21475020	NA
## 3896	64.77465	7322.3322	0.03688810	4.354	4.24418110	NA
## 3897	64.56510	7509.6292	0.02525710	4.378	4.27361200	NA
## 3898	64.24983	7809.8913	0.03920460	4.402	4.30304290	NA
## 3899	63.74697	8188.5689	0.04734800	4.426	4.33247370	NA
## 3900	63.12884	8567.3813	0.04522320	4.450	4.36190460	NA
## 3961	56.66552	NA	NA	NA	NA	NA
## 3962	54.82667	NA	NA	NA	NA	NA
## 3963	56.30968	NA	NA	NA	NA	NA
## 3964	54.55938	NA	NA	NA	NA	NA
## 3965	57.69375	NA	NA	NA	NA	NA
## 3966	55.94848	NA	NA	NA	NA	NA
## 4027	63.63636	NA	NA	0.470	0.80260508	NA
## 4028	63.11475	NA	NA	0.540	0.91144542	NA
## 4029	62.85714	NA	NA	0.610	1.02028580	NA
## 4030	62.60163	NA	NA	0.680	1.12912610	NA
## 4031	62.60163	NA	NA	0.750	1.23796640	NA
## 4032	63.15789	NA	NA	0.820	1.34680680	NA
## 4093	56.83453	NA	NA	0.400	0.32194445	NA
## 4094	56.83453	NA	NA	0.406	0.32113997	NA
## 4095	57.44681	NA	NA	0.412	0.32033550	NA
## 4096	57.24138	NA	NA	0.418	0.31953103	NA
## 4097	58.00000	NA	NA	0.424	0.31872656	NA
## 4098	58.06452	NA	NA	0.430	0.31792208	NA
## 4159	62.96101	NA	NA	NA	NA	NA
## 4160	63.12241	NA	NA	NA	NA	NA
## 4161	63.53901	NA	NA	NA	NA	NA
## 4162	64.04213	NA	NA	NA	NA	NA
## 4163	64.34911	NA	NA	NA	NA	NA
## 4164	64.67734	NA	NA	NA	NA	NA
## 4225	68.86040	4714.1022	NA	6.800	7.28699150	NA
## 4226	68.88765	5148.6266	0.08817100	6.926	7.28841560	NA
## 4227	69.00504	5660.2204	0.09473320	7.052	7.28983970	NA
## 4228	69.19189	6145.1622	0.08220200	7.178	7.29126380	NA
## 4229	69.36575	6625.5763	0.07527260	7.304	7.29268780	NA
## 4230	69.42978	7493.5904	0.12311080	7.430	7.29411190	NA
## 4291	52.69996	NA	NA	0.680	0.34413997	NA
## 4292	52.65469	NA	NA	0.704	0.35494230	NA
## 4293	52.96412	NA	NA	0.728	0.36574463	NA
## 4294	53.11077	NA	NA	0.752	0.37654696	NA
## 4295	53.27688	NA	NA	0.776	0.38734929	NA
## 4296	53.40950	2452.3026	NA	0.800	0.39815163	NA
## 4357	65.37767	NA	NA	4.140	3.90499510	NA
## 4358	65.66096	3356.7844	NA	4.410	4.22344980	NA
## 4359	66.13435	3246.5228	-0.03339960	4.680	4.54190440	NA
## 4360	66.59131	3606.8614	0.10525420	4.950	4.86035910	NA
## 4361	66.81592	3635.1103	0.00780110	5.220	5.17881380	NA
## 4362	66.91303	3877.0724	0.06444070	5.490	5.49726840	NA
## 4423	53.05074	2374.0768	NA	1.310	1.10193870	NA
## 4424	52.71705	2325.1954	-0.02080490	1.320	1.11608690	NA
## 4425	52.33758	2303.1416	-0.00953010	1.330	1.13023520	NA
## 4426	52.30496	2323.6845	0.00888010	1.340	1.14438340	NA
## 4427	52.09891	2322.2380	-0.00062270	1.350	1.15853170	NA
## 4428	51.98880	2274.1260	-0.02093550	1.360	1.17267990	NA

## 4489	57.72463	NA	NA	NA	NA	NA
## 4490	57.46980	NA	NA	NA	NA	NA
## 4491	57.23231	NA	NA	NA	NA	NA
## 4492	57.00185	NA	NA	NA	NA	NA
## 4493	57.05596	NA	NA	NA	NA	NA
## 4494	57.10006	NA	NA	NA	NA	NA
## 4555	59.40959	NA	NA	NA	NA	NA
## 4556	58.54545	NA	NA	NA	NA	NA
## 4557	58.42294	NA	NA	NA	NA	NA
## 4558	57.59717	NA	NA	NA	NA	NA
## 4559	57.14286	NA	NA	NA	NA	NA
## 4560	56.70103	NA	NA	NA	NA	NA
## 4621	56.09756	NA	NA	4.240	4.06806120	NA
## 4622	55.18868	NA	NA	4.304	4.11887890	NA
## 4623	55.00000	NA	NA	4.368	4.16969660	NA
## 4624	53.94737	NA	NA	4.432	4.22051420	NA
## 4625	53.38983	NA	NA	4.496	4.27133190	NA
## 4626	52.86885	NA	NA	4.560	4.32214950	NA
## 4687	57.48939	NA	NA	0.590	0.47994950	NA
## 4688	57.33890	NA	NA	0.606	0.49113903	NA
## 4689	57.33568	NA	NA	0.622	0.50232856	NA
## 4690	57.29948	NA	NA	0.638	0.51351808	NA
## 4691	57.45888	NA	NA	0.654	0.52470761	NA
## 4692	57.46934	NA	NA	0.670	0.53589714	NA
## 4753	54.39783	2206.7446	NA	1.640	1.50130580	NA
## 4754	53.82586	2210.6980	0.00179000	1.662	1.52609960	NA
## 4755	53.40180	2179.1200	-0.01438710	1.684	1.55089340	NA
## 4756	53.11721	2284.7982	0.04735660	1.706	1.57568720	NA
## 4757	52.84160	2063.0518	-0.10209130	1.728	1.60048100	NA
## 4758	52.58216	2023.6256	-0.01929570	1.750	1.62527480	NA
## 4819	66.87500	NA	NA	4.360	3.25720350	NA
## 4820	65.92742	NA	NA	4.416	3.33191980	NA
## 4821	65.48077	NA	NA	4.472	3.40663610	NA
## 4822	64.59854	NA	NA	4.528	3.48135240	NA
## 4823	63.43154	NA	NA	4.584	3.55606860	NA
## 4824	61.76713	NA	NA	4.640	3.63078490	NA
## 4885	67.89180	NA	NA	7.130	7.16848730	NA
## 4886	67.50917	NA	NA	7.158	7.20666470	NA
## 4887	67.04981	NA	NA	7.186	7.24484220	NA
## 4888	66.71329	NA	NA	7.214	7.28301960	NA
## 4889	66.50803	NA	NA	7.242	7.32119710	NA
## 4890	66.48276	NA	NA	7.270	7.35937450	NA
## 4951	63.38028	8354.2403	NA	5.700	5.85114300	NA
## 4952	63.88889	7848.0900	-0.06249900	5.736	5.90641440	NA
## 4953	62.16216	7715.6228	-0.01702310	5.772	5.96168590	NA
## 4954	61.33333	8820.7269	0.13385770	5.808	6.01695730	NA
## 4955	59.74026	9581.8719	0.08276840	5.844	6.07222870	NA
## 4956	58.97436	10878.1551	0.12688350	5.880	6.12750020	NA
## 5017	58.69270	842.3716	NA	0.990	0.45463915	NA
## 5018	58.42917	862.3827	0.02347800	1.004	0.46346064	NA
## 5019	58.13040	871.1435	0.01010750	1.018	0.47228213	NA
## 5020	57.89671	901.1841	0.03390260	1.032	0.48110362	NA
## 5021	57.75572	924.5490	0.02559660	1.046	0.48992511	NA
## 5022	57.67835	928.2261	0.00396920	1.060	0.49874660	NA



## 5083	56.03493	NA	NA	1.090	0.76671821	NA
## 5084	56.28640	NA	NA	1.122	0.79393340	NA
## 5085	56.55432	NA	NA	1.154	0.82114858	NA
## 5086	56.86722	NA	NA	1.186	0.84836377	NA
## 5087	57.16313	NA	NA	1.218	0.87557895	NA
## 5088	57.39048	NA	NA	1.250	0.90279414	NA
## 5149	58.28279	NA	NA	0.540	0.34587414	NA
## 5150	57.79123	NA	NA	0.564	0.36114012	NA
## 5151	57.31360	NA	NA	0.588	0.37640609	NA
## 5152	56.86471	NA	NA	0.612	0.39167206	NA
## 5153	56.47826	NA	NA	0.636	0.40693803	NA
## 5154	56.10274	1984.4822	NA	0.660	0.42220400	NA
## 5215	60.41158	NA	NA	0.240	0.10595294	NA
## 5216	59.80392	NA	NA	0.258	0.11746849	NA
## 5217	58.67062	NA	NA	0.276	0.12898403	NA
## 5218	57.88628	NA	NA	0.294	0.14049958	NA
## 5219	57.61860	NA	NA	0.312	0.15201512	NA
## 5220	57.62608	NA	NA	0.330	0.16353067	NA
## 5281	60.09783	5126.1344	NA	6.230	6.92442620	NA
## 5282	59.95822	4985.7687	-0.02776430	6.280	6.97645140	NA
## 5283	59.83322	5348.1340	0.07015990	6.330	7.02847670	NA
## 5284	59.62474	5634.1300	0.05209450	6.380	7.08050190	NA
## 5285	59.47075	5713.8292	0.01404670	6.430	7.13252710	NA
## 5286	59.32914	5850.9372	0.02371310	6.480	7.18455240	NA
## 5347	63.99345	6266.7991	NA	7.300	6.96089820	NA
## 5348	63.48485	6832.9312	0.08648780	7.318	6.98648240	NA
## 5349	62.67606	5713.7654	-0.17887500	7.336	7.01206670	NA
## 5350	62.13720	5522.4083	-0.03406430	7.354	7.03765090	NA
## 5351	61.44279	6297.4962	0.13133810	7.372	7.06323510	NA
## 5352	61.11111	6764.3825	0.07151890	7.390	7.08881930	NA
## 5413	65.91955	4335.1404	NA	4.210	4.26285070	NA
## 5414	65.97754	4642.0635	0.06840520	4.276	4.32790860	NA
## 5415	66.24764	4758.0860	0.02468680	4.342	4.39296650	NA
## 5416	66.43836	5108.6531	0.07109070	4.408	4.45802440	NA
## 5417	66.49929	5325.8395	0.04163460	4.474	4.52308230	NA
## 5418	66.44125	5658.4584	0.06058030	4.540	4.58814010	NA
## 5479	60.55556	NA	NA	3.590	3.79545460	NA
## 5480	60.27211	NA	NA	3.606	3.81745500	NA
## 5481	60.40000	NA	NA	3.622	3.83945550	NA
## 5482	60.13072	3121.3358	NA	3.638	3.86145590	NA
## 5483	59.69191	3477.8079	0.10814090	3.654	3.88345640	NA
## 5484	59.34343	3737.9922	0.07214640	3.670	3.90545680	NA
## 5545	60.23895	2616.0749	NA	6.730	6.61606650	NA
## 5546	60.41569	2877.5746	0.09527250	6.822	6.72397350	NA
## 5547	60.79294	3094.8707	0.07279830	6.914	6.83188050	NA
## 5548	61.12714	3199.8482	0.03335760	7.006	6.93978750	NA
## 5549	61.42947	3357.9240	0.04821970	7.098	7.04769450	NA
## 5550	61.77327	3602.4627	0.07029440	7.190	7.15560150	NA
## 5611	49.07407	NA	NA	1.330	0.77526316	NA
## 5612	50.00000	NA	NA	1.416	0.81816767	NA
## 5613	50.38462	NA	NA	1.502	0.86107218	NA
## 5614	50.72464	NA	NA	1.588	0.90397670	NA
## 5615	51.20275	2174.5655	NA	1.674	0.94688121	NA
## 5616	52.42718	1740.4069	-0.22271010	1.760	0.98978572	NA

## 5677	60.91356	NA	NA	2.590	2.44544310	NA
## 5678	61.06546	NA	NA	2.654	2.50682380	NA
## 5679	62.06044	NA	NA	2.718	2.56820460	NA
## 5680	62.95905	NA	NA	2.782	2.62958540	NA
## 5681	63.44548	NA	NA	2.846	2.69096620	NA
## 5682	63.32447	NA	NA	2.910	2.75234690	NA
## 5743	55.34529	1590.4663	NA	1.160	0.72329214	NA
## 5744	54.65116	1832.5107	0.14165970	1.190	0.74068137	NA
## 5745	54.13132	1632.1549	-0.11578560	1.220	0.75807059	NA
## 5746	53.61832	1531.3873	-0.06372690	1.250	0.77545982	NA
## 5747	53.09997	1693.2197	0.10045770	1.280	0.79284905	NA
## 5748	52.54970	1771.0861	0.04496100	1.310	0.81023827	NA
## 5809	55.87464	NA	NA	NA	NA	NA
## 5810	55.58875	NA	NA	NA	NA	NA
## 5811	55.44634	NA	NA	NA	NA	NA
## 5812	55.22018	NA	NA	NA	NA	NA
## 5813	54.85809	NA	NA	NA	NA	NA
## 5814	54.37594	NA	NA	NA	NA	NA
## 5875	55.17788	NA	NA	NA	NA	NA
## 5876	55.85212	NA	NA	NA	NA	NA
## 5877	57.25540	NA	NA	NA	NA	NA
## 5878	58.60542	NA	NA	NA	NA	NA
## 5879	59.51417	NA	NA	NA	NA	NA
## 5880	59.76698	NA	NA	NA	NA	NA
## 5941	56.33102	NA	NA	4.500	4.00922160	NA
## 5942	56.34602	NA	NA	4.604	4.09798960	NA
## 5943	56.55004	NA	NA	4.708	4.18675760	NA
## 5944	56.83245	1081.4253	NA	4.812	4.27552560	NA
## 5945	57.15812	1094.5408	0.01205490	4.916	4.36429360	NA
## 5946	57.30443	1160.1255	0.05819320	5.020	4.45306160	NA
## 6007	53.22581	NA	NA	1.480	0.77241379	NA
## 6008	51.47059	NA	NA	1.552	0.83776888	NA
## 6009	52.77778	NA	NA	1.624	0.90312396	NA
## 6010	52.00000	NA	NA	1.696	0.96847905	NA
## 6011	51.31579	NA	NA	1.768	1.03383410	NA
## 6012	51.31579	NA	NA	1.840	1.09918920	NA
## 6073	63.77607	NA	NA	4.040	3.92240420	NA
## 6074	63.60691	NA	NA	4.116	4.01254270	NA
## 6075	63.90658	NA	NA	4.192	4.10268110	NA
## 6076	63.99584	NA	NA	4.268	4.19281960	NA
## 6077	63.81244	NA	NA	4.344	4.28295810	NA
## 6078	63.27345	NA	NA	4.420	4.37309660	NA
## 6139	57.61124	NA	NA	1.250	NA	NA
## 6140	57.14286	NA	NA	1.278	NA	NA
## 6141	56.91964	NA	NA	1.306	NA	NA
## 6142	56.70665	NA	NA	1.334	NA	NA
## 6143	56.54952	NA	NA	1.362	NA	NA
## 6144	56.39958	NA	NA	1.390	NA	NA
## 6205	65.00904	NA	NA	3.840	3.96411760	NA
## 6206	65.18987	NA	NA	3.884	4.03710580	NA
## 6207	65.46438	NA	NA	3.928	4.11009400	NA
## 6208	65.79892	NA	NA	3.972	4.18308220	NA
## 6209	66.36931	NA	NA	4.016	4.25607040	NA
## 6210	66.48983	NA	NA	4.060	4.32905860	NA

## 6271	58.22021	NA	NA	NA	NA	NA
## 6272	57.62963	NA	NA	NA	NA	NA
## 6273	57.08092	NA	NA	NA	NA	NA
## 6274	56.52174	NA	NA	NA	NA	NA
## 6275	56.25000	NA	NA	NA	NA	NA
## 6276	55.38058	NA	NA	NA	NA	NA
## 6337	55.64103	NA	NA	2.470	3.19365170	NA
## 6338	55.07614	NA	NA	2.522	3.25440560	NA
## 6339	54.75000	NA	NA	2.574	3.31515940	NA
## 6340	54.67980	NA	NA	2.626	3.37591330	NA
## 6341	54.61165	NA	NA	2.678	3.43666710	NA
## 6342	55.02392	NA	NA	2.730	3.49742100	NA
## 6403	54.26009	NA	NA	0.570	0.28484850	NA
## 6404	54.18502	NA	NA	0.580	0.28905311	NA
## 6405	54.54545	NA	NA	0.590	0.29325772	NA
## 6406	54.23729	NA	NA	0.600	0.29746234	NA
## 6407	54.88565	NA	NA	0.610	0.30166695	NA
## 6408	54.87805	NA	NA	0.620	0.30587156	NA
## 6469	56.05214	NA	NA	0.440	0.03311688	NA
## 6470	55.83942	NA	NA	0.462	0.03728257	NA
## 6471	55.17857	NA	NA	0.484	0.04144825	NA
## 6472	55.14834	NA	NA	0.506	0.04561394	NA
## 6473	55.11945	NA	NA	0.528	0.04977963	NA
## 6474	54.98339	NA	NA	0.550	0.05394531	NA
## 6535	63.94606	NA	NA	3.710	3.80489390	NA
## 6536	64.13352	NA	NA	3.802	3.90840260	NA
## 6537	64.25532	NA	NA	3.894	4.01191120	NA
## 6538	64.49788	NA	NA	3.986	4.11541990	NA
## 6539	64.60239	NA	NA	4.078	4.21892860	NA
## 6540	64.80056	NA	NA	4.170	4.32243730	NA
## 6601	70.27027	12082.9495	NA	3.390	4.48164540	NA
## 6602	69.59459	14958.5189	0.21348570	3.522	4.69230340	NA
## 6603	69.79866	16861.4525	0.11974910	3.654	4.90296130	NA
## 6604	69.33333	14605.7123	-0.14361760	3.786	5.11361930	NA
## 6605	70.19868	14603.2514	-0.00016780	3.918	5.32427720	NA
## 6606	69.73684	15505.4683	0.05994800	4.050	5.53493520	NA
## 6667	70.83333	NA	NA	3.280	2.99529420	NA
## 6668	69.79167	NA	NA	3.294	3.01837170	NA
## 6669	68.75000	NA	NA	3.308	3.04144920	NA
## 6670	68.08511	NA	NA	3.322	3.06452670	NA
## 6671	66.66667	NA	NA	3.336	3.08760430	NA
## 6672	64.83516	NA	NA	3.350	3.11068180	NA
## 6733	56.96000	NA	NA	NA	NA	NA
## 6734	56.94228	NA	NA	NA	NA	NA
## 6735	56.85976	NA	NA	NA	NA	NA
## 6736	56.73653	NA	NA	NA	NA	NA
## 6737	57.14286	NA	NA	NA	NA	NA
## 6738	57.47460	NA	NA	NA	NA	NA
## 6799	56.50202	NA	NA	NA	NA	NA
## 6800	56.19142	NA	NA	NA	NA	NA
## 6801	55.76459	NA	NA	NA	NA	NA
## 6802	55.25695	NA	NA	NA	NA	NA
## 6803	55.11521	NA	NA	NA	NA	NA
## 6804	54.93021	NA	NA	NA	NA	NA

## 6865	51.43229	NA	NA	0.960	0.68158850	NA
## 6866	51.40845	NA	NA	0.974	0.69147134	NA
## 6867	51.60277	NA	NA	0.988	0.70135417	NA
## 6868	52.03704	NA	NA	1.002	0.71123701	NA
## 6869	52.27135	738.4938	NA	1.016	0.72111985	NA
## 6870	52.58467	772.3947	0.04488280	1.030	0.73100269	NA
## 6931	53.20297	NA	NA	2.080	0.98223692	NA
## 6932	52.86979	NA	NA	2.138	1.04065120	NA
## 6933	52.88308	NA	NA	2.196	1.09906560	NA
## 6934	52.76662	NA	NA	2.254	1.15747990	NA
## 6935	52.50375	NA	NA	2.312	1.21589420	NA
## 6936	52.23967	2364.5725	NA	2.370	1.27430850	NA
## 6997	51.81614	NA	NA	2.990	3.02333340	NA
## 6998	52.73945	NA	NA	3.030	3.05908780	NA
## 6999	53.62262	NA	NA	3.070	3.09484210	NA
## 7000	54.51831	NA	NA	3.110	3.13059650	NA
## 7001	55.36679	NA	NA	3.150	3.16635090	NA
## 7002	56.08670	NA	NA	3.190	3.20210520	NA
## 7063	57.72075	NA	NA	0.150	0.09522868	NA
## 7064	57.38832	NA	NA	0.154	0.09714478	NA
## 7065	56.93678	NA	NA	0.158	0.09906087	NA
## 7066	56.83152	NA	NA	0.162	0.10097697	NA
## 7067	56.74669	NA	NA	0.166	0.10289307	NA
## 7068	57.00858	NA	NA	0.170	0.10480916	NA
## 7129	59.49367	NA	NA	3.230	3.05613330	NA
## 7130	58.49057	NA	NA	3.328	3.18299000	NA
## 7131	58.38509	NA	NA	3.426	3.30984660	NA
## 7132	57.76398	NA	NA	3.524	3.43670330	NA
## 7133	56.79012	1650.1460	NA	3.622	3.56356000	NA
## 7134	56.17284	1661.5969	0.00691560	3.720	3.69041660	NA
## 7195	54.00593	NA	NA	1.270	1.23958120	NA
## 7196	54.78261	NA	NA	1.286	1.25645000	NA
## 7197	54.54545	NA	NA	1.302	1.27331880	NA
## 7198	54.84765	NA	NA	1.318	1.29018760	NA
## 7199	54.86486	NA	NA	1.334	1.30705640	NA
## 7200	55.40897	NA	NA	1.350	1.32392520	NA
## 7261	52.01613	4664.6042	NA	2.510	1.99116070	NA
## 7262	52.75591	4684.3950	0.00423340	2.590	2.07147120	NA
## 7263	51.90840	4712.1083	0.00589850	2.670	2.15178170	NA
## 7264	51.85185	4538.9836	-0.03743170	2.750	2.23209220	NA
## 7265	51.79856	4344.2634	-0.04384710	2.830	2.31240270	NA
## 7266	51.74825	4437.2689	0.02118300	2.910	2.39271320	NA
## 7327	55.07740	4422.1577	NA	2.190	1.97926690	NA
## 7328	54.68847	4649.0476	0.05003450	2.220	2.02188740	NA
## 7329	54.09243	4737.8533	0.01892190	2.250	2.06450800	NA
## 7330	53.57375	4482.1975	-0.05547140	2.280	2.10712850	NA
## 7331	53.20355	4837.0423	0.07619000	2.310	2.14974900	NA
## 7332	52.95267	5085.1046	0.05001260	2.340	2.19236950	NA
## 7393	56.25000	NA	NA	NA	NA	NA
## 7394	56.25000	NA	NA	NA	NA	NA
## 7395	52.94118	NA	NA	NA	NA	NA
## 7396	52.94118	NA	NA	NA	NA	NA
## 7397	50.00000	NA	NA	NA	NA	NA
## 7398	55.55556	NA	NA	NA	NA	NA

## 7459	64.82372	NA	NA	3.280	3.32456060	NA
## 7460	64.88189	NA	NA	3.360	3.42821110	NA
## 7461	64.84194	NA	NA	3.440	3.53186150	NA
## 7462	64.93604	NA	NA	3.520	3.63551200	NA
## 7463	65.15040	NA	NA	3.600	3.73916240	NA
## 7464	65.21429	NA	NA	3.680	3.84281290	NA
## 7525	63.22418	NA	NA	1.610	1.72094970	NA
## 7526	63.02730	NA	NA	1.678	1.78867930	NA
## 7527	62.68293	NA	NA	1.746	1.85640900	NA
## 7528	61.72249	NA	NA	1.814	1.92413860	NA
## 7529	61.73709	NA	NA	1.882	1.99186830	NA
## 7530	61.52074	NA	NA	1.950	2.05959800	NA
## 7591	57.48792	NA	NA	NA	NA	NA
## 7592	58.57143	NA	NA	NA	NA	NA
## 7593	59.34579	NA	NA	NA	NA	NA
## 7594	59.09091	NA	NA	NA	NA	NA
## 7595	59.55556	NA	NA	NA	NA	NA
## 7596	59.56522	NA	NA	NA	NA	NA
## 7657	57.64888	1311.5993	NA	0.280	NA	NA
## 7658	57.48116	1323.2841	0.00886920	0.300	NA	NA
## 7659	56.98476	1373.1969	0.03702500	0.320	NA	NA
## 7660	56.53317	1379.3205	0.00444940	0.340	NA	NA
## 7661	56.25612	1427.2559	0.03416250	0.360	NA	NA
## 7662	55.92417	1377.6797	-0.03535270	0.380	NA	NA
## 7723	55.82404	NA	NA	0.490	0.37628991	NA
## 7724	55.60305	NA	NA	0.522	0.38291372	NA
## 7725	55.57895	NA	NA	0.554	0.38953754	NA
## 7726	55.54898	NA	NA	0.586	0.39616135	NA
## 7727	55.57496	NA	NA	0.618	0.40278516	NA
## 7728	55.75272	NA	NA	0.650	0.40940898	NA
## 7789	61.53672	NA	NA	1.150	0.87618244	NA
## 7790	60.97480	NA	NA	1.162	0.88838979	NA
## 7791	60.20231	NA	NA	1.174	0.90059715	NA
## 7792	59.57605	NA	NA	1.186	0.91280451	NA
## 7793	59.09897	NA	NA	1.198	0.92501187	NA
## 7794	58.74490	NA	NA	1.210	0.93721922	NA
## 7855	58.19672	NA	NA	2.400	2.22630260	NA
## 7856	57.42972	NA	NA	2.470	2.28627650	NA
## 7857	56.47059	NA	NA	2.540	2.34625030	NA
## 7858	56.15385	NA	NA	2.610	2.40622420	NA
## 7859	56.01504	NA	NA	2.680	2.46619800	NA
## 7860	55.88235	NA	NA	2.750	2.52617190	NA
## 7921	60.44393	NA	NA	0.110	0.02798058	NA
## 7922	60.10066	NA	NA	0.110	0.02834810	NA
## 7923	59.64085	NA	NA	0.110	0.02871562	NA
## 7924	59.37362	NA	NA	0.110	0.02908314	NA
## 7925	59.17570	NA	NA	0.110	0.02945066	NA
## 7926	59.23553	NA	NA	0.110	0.02981818	NA
## 7987	63.61106	7633.7881	NA	6.080	6.09703200	NA
## 7988	63.28094	7751.6439	0.01532080	6.092	6.10672640	NA
## 7989	63.19364	8427.6011	0.08360770	6.104	6.11642080	NA
## 7990	63.01475	9018.9010	0.06781010	6.116	6.12611530	NA
## 7991	62.65835	9209.0954	0.02086930	6.128	6.13580970	NA
## 7992	62.25746	10059.7635	0.08835220	6.140	6.14550420	NA

## 8053	58.06452	NA	NA	NA	NA	NA
## 8054	60.00000	NA	NA	NA	NA	NA
## 8055	61.29032	NA	NA	NA	NA	NA
## 8056	61.29032	NA	NA	NA	NA	NA
## 8057	61.29032	NA	NA	NA	NA	NA
## 8058	59.37500	NA	NA	NA	NA	NA
## 8119	61.95996	12401.6113	NA	9.190	9.66873100	NA
## 8120	61.46694	11350.7797	-0.08854010	9.248	9.72313960	NA
## 8121	60.90909	10784.6253	-0.05116460	9.306	9.77754820	NA
## 8122	60.61204	11177.9399	0.03582000	9.364	9.83195680	NA
## 8123	59.98071	12052.4947	0.07532980	9.422	9.88636540	NA
## 8124	59.56645	12273.5682	0.01817610	9.480	9.94077400	NA
## 8185	55.60676	3403.7118	NA	1.550	1.51428570	NA
## 8186	55.07463	3745.0329	0.09556390	1.606	1.52963240	NA
## 8187	54.05797	4127.0091	0.09712220	1.662	1.54497910	NA
## 8188	53.58650	4258.0657	0.03126240	1.718	1.56032570	NA
## 8189	53.47885	4379.6390	0.02815150	1.774	1.57567240	NA
## 8190	53.10436	4649.5524	0.05980490	1.830	1.59101910	NA
## 8251	49.71510	NA	NA	0.320	0.07230159	NA
## 8252	49.86092	NA	NA	0.324	0.07291798	NA
## 8253	50.23761	NA	NA	0.328	0.07353436	NA
## 8254	50.66225	NA	NA	0.332	0.07415075	NA
## 8255	51.06658	NA	NA	0.336	0.07476714	NA
## 8256	51.57828	NA	NA	0.340	0.07538352	NA
## 8317	55.63696	2623.3854	NA	NA	NA	NA
## 8318	55.51228	2748.3757	0.04654460	NA	NA	NA
## 8319	55.50785	2987.2677	0.08334880	NA	NA	NA
## 8320	55.55835	2847.8450	-0.04779620	NA	NA	NA
## 8321	55.66705	3052.4254	0.06937410	NA	NA	NA
## 8322	55.80921	3172.7429	0.03866000	NA	NA	NA
## 8383	66.12022	8889.6961	NA	7.400	7.47298430	NA
## 8384	65.66446	9430.0215	0.05900480	7.402	7.46153630	NA
## 8385	65.21739	9675.4708	0.02569580	7.404	7.45008830	NA
## 8386	64.75797	9906.4181	0.02358910	7.406	7.43864020	NA
## 8387	64.28571	10122.7972	0.02160740	7.408	7.42719220	NA
## 8388	63.95821	10485.8260	0.03523450	7.410	7.41574420	NA
## 8449	54.66667	NA	NA	NA	NA	NA
## 8450	54.82456	NA	NA	NA	NA	NA
## 8451	54.93562	NA	NA	NA	NA	NA
## 8452	54.85232	NA	NA	NA	NA	NA
## 8453	54.54545	NA	NA	NA	NA	NA
## 8454	54.83871	NA	NA	NA	NA	NA
## 8515	52.00515	1332.5282	NA	0.990	0.37028005	NA
## 8516	52.27207	1297.6561	-0.02651830	0.994	0.37236142	NA
## 8517	52.61782	1231.8478	-0.05204440	0.998	0.37444278	NA
## 8518	52.96156	1237.7206	0.00475600	1.002	0.37652415	NA
## 8519	53.30737	1224.9701	-0.01035500	1.006	0.37860551	NA
## 8520	53.65382	1166.5840	-0.04883620	1.010	0.38068688	NA
## 8581	53.93795	2151.8664	NA	3.760	4.06963550	NA
## 8582	53.72093	2014.4696	-0.06597950	3.836	4.15881540	NA
## 8583	53.39367	2151.4397	0.06578110	3.912	4.24799530	NA
## 8584	53.08370	2229.1525	0.03548430	3.988	4.33717520	NA
## 8585	53.21888	2333.9735	0.04595040	4.064	4.42635510	NA
## 8586	52.91667	2458.6153	0.05202630	4.140	4.51553490	NA

## 8647	55.94059	NA	NA	0.510	0.35253623	NA
## 8648	55.60976	NA	NA	0.526	0.36345559	NA
## 8649	55.28846	NA	NA	0.542	0.37437495	NA
## 8650	55.09479	NA	NA	0.558	0.38529430	NA
## 8651	54.84247	NA	NA	0.574	0.39621366	NA
## 8652	54.94253	NA	NA	0.590	0.40713302	NA
## 8713	51.47059	NA	NA	2.690	2.60877200	NA
## 8714	51.43229	1616.9379	NA	2.752	2.64969350	NA
## 8715	50.88832	1548.1900	-0.04344750	2.814	2.69061510	NA
## 8716	50.92707	1457.5140	-0.06035420	2.876	2.73153670	NA
## 8717	50.60241	1530.4830	0.04885100	2.938	2.77245830	NA
## 8718	50.52879	1614.2969	0.05331610	3.000	2.81337990	NA
## 8779	54.95191	2056.5128	NA	2.830	2.46446420	NA
## 8780	54.69067	2187.4797	0.06173850	2.864	2.49778810	NA
## 8781	54.53646	2172.4570	-0.00689130	2.898	2.53111190	NA
## 8782	54.38554	2198.5903	0.01195760	2.932	2.56443570	NA
## 8783	54.26156	2326.5894	0.05658670	2.966	2.59775960	NA
## 8784	54.18573	2358.9862	0.01382880	3.000	2.63108340	NA
## 8845	53.32406	1423.8960	NA	2.210	2.30098390	NA
## 8846	52.87178	1418.4669	-0.00382040	2.408	2.49662990	NA
## 8847	52.27523	1447.8655	0.02051400	2.606	2.69227590	NA
## 8848	51.77812	1610.4453	0.10642000	2.804	2.88792190	NA
## 8849	51.48968	1673.8870	0.03863760	3.002	3.08356790	NA
## 8850	51.29571	1749.8745	0.04439590	3.200	3.27921390	NA
## 8911	66.23826	NA	NA	5.400	5.61629680	NA
## 8912	65.79146	NA	NA	5.454	5.67734690	NA
## 8913	65.53416	NA	NA	5.508	5.73839710	NA
## 8914	65.25486	NA	NA	5.562	5.79944720	NA
## 8915	64.85905	NA	NA	5.616	5.86049730	NA
## 8916	64.30787	NA	NA	5.670	5.92154740	NA
## 8977	63.80691	2726.5522	NA	1.900	1.95570400	NA
## 8978	63.82105	2984.2906	0.09032440	1.932	1.98943860	NA
## 8979	63.85925	3077.2080	0.03066060	1.964	2.02317320	NA
## 8980	63.84945	3260.8515	0.05796530	1.996	2.05690770	NA
## 8981	63.81932	3414.3030	0.04598520	2.028	2.09064230	NA
## 8982	63.69285	3501.1732	0.02512450	2.060	2.12437690	NA
## 9043	62.84167	NA	NA	1.630	1.77500010	NA
## 9044	58.54615	NA	NA	1.724	1.84200010	NA
## 9045	54.82143	NA	NA	1.818	1.90900010	NA
## 9046	51.58000	NA	NA	1.912	1.97600010	NA
## 9047	48.73750	NA	NA	2.006	2.04300000	NA
## 9048	55.38125	NA	NA	2.100	2.11000000	NA
## 9109	66.35269	NA	NA	4.380	4.32550010	NA
## 9110	66.09155	NA	NA	4.442	4.39186390	NA
## 9111	66.10346	NA	NA	4.504	4.45822780	NA
## 9112	66.28598	NA	NA	4.566	4.52459160	NA
## 9113	66.40361	NA	NA	4.628	4.59095540	NA
## 9114	66.32903	NA	NA	4.690	4.65731920	NA
## 9175	68.15348	NA	NA	3.830	4.15826970	NA
## 9176	68.00890	NA	NA	3.946	4.25976090	NA
## 9177	68.60054	NA	NA	4.062	4.36125220	NA
## 9178	69.18601	NA	NA	4.178	4.46274350	NA
## 9179	69.37348	NA	NA	4.294	4.56423470	NA
## 9180	69.09027	NA	NA	4.410	4.66572600	NA

## 9241	54.76619	NA	NA	0.320	0.20159919	NA
## 9242	54.23581	NA	NA	0.346	0.20677316	NA
## 9243	53.78080	NA	NA	0.372	0.21194713	NA
## 9244	53.14050	NA	NA	0.398	0.21712110	NA
## 9245	52.68645	NA	NA	0.424	0.22229507	NA
## 9246	52.09953	NA	NA	0.450	0.22746903	NA
## 9307	50.00000	NA	NA	NA	NA	NA
## 9308	53.65854	NA	NA	NA	NA	NA
## 9309	52.38095	NA	NA	NA	NA	NA
## 9310	51.16279	NA	NA	NA	NA	NA
## 9311	51.11111	NA	NA	NA	NA	NA
## 9312	52.17391	NA	NA	NA	NA	NA
## 9373	62.96296	NA	NA	NA	NA	NA
## 9374	65.38462	NA	NA	NA	NA	NA
## 9375	61.53846	NA	NA	NA	NA	NA
## 9376	61.53846	NA	NA	NA	NA	NA
## 9377	65.38462	NA	NA	NA	NA	NA
## 9378	61.53846	NA	NA	NA	NA	NA
## 9439	54.58686	NA	NA	2.310	1.20695830	NA
## 9440	54.24588	NA	NA	2.350	1.22940750	NA
## 9441	54.00740	NA	NA	2.390	1.25185660	NA
## 9442	53.83693	NA	NA	2.430	1.27430570	NA
## 9443	53.87755	NA	NA	2.470	1.29675480	NA
## 9444	53.68481	NA	NA	2.510	1.31920400	NA
## 9505	55.28391	NA	NA	1.760	1.17380220	NA
## 9506	54.95356	NA	NA	1.776	1.17507510	NA
## 9507	54.73844	NA	NA	1.792	1.17634800	NA
## 9508	54.74777	NA	NA	1.808	1.17762090	NA
## 9509	54.86212	NA	NA	1.824	1.17889380	NA
## 9510	54.99646	NA	NA	1.840	1.18016670	NA
## 9571	64.18255	NA	NA	4.320	3.61431960	NA
## 9572	64.07049	NA	NA	4.416	3.66295520	NA
## 9573	64.05156	NA	NA	4.512	3.71159080	NA
## 9574	64.03873	NA	NA	4.608	3.76022630	NA
## 9575	63.97702	NA	NA	4.704	3.80886190	NA
## 9576	63.98592	NA	NA	4.800	3.85749750	NA
## 9637	61.40737	NA	NA	NA	NA	NA
## 9638	60.73686	NA	NA	NA	NA	NA
## 9639	60.00922	NA	NA	NA	NA	NA
## 9640	59.51380	NA	NA	NA	NA	NA
## 9641	59.26687	NA	NA	NA	NA	NA
## 9642	59.16004	NA	NA	NA	NA	NA
## 9703	57.86290	NA	NA	0.410	0.28192547	NA
## 9704	57.58483	NA	NA	0.420	0.28344753	NA
## 9705	57.55183	NA	NA	0.430	0.28496959	NA
## 9706	57.46341	NA	NA	0.440	0.28649166	NA
## 9707	57.76278	NA	NA	0.450	0.28801372	NA
## 9708	57.90476	NA	NA	0.460	0.28953578	NA
## 9769	55.57809	NA	NA	2.710	1.73895840	NA
## 9770	55.07812	NA	NA	2.788	1.81974690	NA
## 9771	55.32710	NA	NA	2.866	1.90053540	NA
## 9772	55.25847	NA	NA	2.944	1.98132390	NA
## 9773	55.00849	NA	NA	3.022	2.06211250	NA
## 9774	54.60420	NA	NA	3.100	2.14290100	NA



## 9835	64.99153	NA	NA	8.130	7.88977220	NA
## 9836	64.72546	NA	NA	8.160	7.93348410	NA
## 9837	64.14581	NA	NA	8.190	7.97719600	NA
## 9838	63.78205	NA	NA	8.220	8.02090780	NA
## 9839	63.39801	NA	NA	8.250	8.06461970	NA
## 9840	63.06028	NA	NA	8.280	8.10833160	NA
## 9901	66.84005	NA	NA	5.860	5.57392050	NA
## 9902	66.49418	NA	NA	5.942	5.64707150	NA
## 9903	66.45244	NA	NA	6.024	5.72022260	NA
## 9904	66.07143	NA	NA	6.106	5.79337360	NA
## 9905	66.20253	NA	NA	6.188	5.86652460	NA
## 9906	65.87202	NA	NA	6.270	5.93967570	NA
## 9967	53.25000	NA	NA	NA	NA	NA
## 9968	52.05610	NA	NA	NA	NA	NA
## 9969	52.07674	NA	NA	NA	NA	NA
## 9970	51.03182	NA	NA	NA	NA	NA
## 9971	52.28444	NA	NA	NA	NA	NA
## 9972	52.36596	NA	NA	NA	NA	NA
## 10033	55.87719	NA	NA	NA	NA	NA
## 10034	55.63199	NA	NA	NA	NA	NA
## 10035	55.44304	NA	NA	NA	NA	NA
## 10036	55.41770	NA	NA	NA	NA	NA
## 10037	55.47445	NA	NA	NA	NA	NA
## 10038	55.44948	NA	NA	NA	NA	NA
## 10099	57.54222	5336.5707	NA	4.030	4.44402550	NA
## 10100	57.17543	5289.8736	-0.00878910	4.088	4.47323580	NA
## 10101	56.91601	4803.7579	-0.09639550	4.146	4.50244610	NA
## 10102	56.67438	5242.7929	0.08745570	4.204	4.53165640	NA
## 10103	56.53330	5537.6440	0.05471520	4.262	4.56086670	NA
## 10104	56.43256	5614.5680	0.01379490	4.320	4.59007700	NA
## 10165	66.71702	3521.2937	NA	3.830	3.67799990	NA
## 10166	66.70538	4076.6028	0.14643480	3.830	3.74243440	NA
## 10167	66.59424	4216.2907	0.03369240	3.830	3.80686900	NA
## 10168	66.39234	4028.1230	-0.04565530	3.830	3.87130350	NA
## 10169	66.11952	4520.3748	0.11529450	3.830	3.93573810	NA
## 10170	65.83516	4716.9695	0.04257110	3.830	4.00017260	NA
## 10231	50.53177	2764.7606	NA	3.400	2.99520280	NA
## 10232	50.66738	2883.8826	0.04218340	3.460	3.05818190	NA
## 10233	50.99217	2489.4071	-0.14709280	3.520	3.12116100	NA
## 10234	51.25000	2527.0290	0.01499990	3.580	3.18414020	NA
## 10235	51.46912	2793.6640	0.10030940	3.640	3.24711930	NA
## 10236	51.72414	2949.4553	0.05426650	3.700	3.31009840	NA
## 10297	59.52381	NA	NA	NA	NA	NA
## 10298	59.52381	NA	NA	NA	NA	NA
## 10299	59.52381	NA	NA	NA	NA	NA
## 10300	59.52381	NA	NA	NA	NA	NA
## 10301	58.13953	NA	NA	NA	NA	NA
## 10302	58.13953	NA	NA	NA	NA	NA
## 10363	51.42857	NA	NA	NA	NA	NA
## 10364	50.00000	NA	NA	NA	NA	NA
## 10365	45.94595	NA	NA	NA	NA	NA
## 10366	45.94595	NA	NA	NA	NA	NA
## 10367	47.36842	NA	NA	NA	NA	NA
## 10368	46.15385	NA	NA	NA	NA	NA

## 10429	53.20940	NA	NA	0.320	0.09966126	NA
## 10430	52.97334	NA	NA	0.336	0.10622413	NA
## 10431	52.74542	NA	NA	0.352	0.11278701	NA
## 10432	52.68957	NA	NA	0.368	0.11934988	NA
## 10433	52.58675	NA	NA	0.384	0.12591275	NA
## 10434	52.57827	NA	NA	0.400	0.13247562	NA
## 10495	53.70370	NA	NA	NA	NA	NA
## 10496	52.25225	NA	NA	NA	NA	NA
## 10497	52.63158	NA	NA	NA	NA	NA
## 10498	53.84615	NA	NA	NA	NA	NA
## 10499	52.89256	NA	NA	NA	NA	NA
## 10500	51.61290	NA	NA	NA	NA	NA
## 10561	54.28571	NA	NA	1.230	1.31292310	NA
## 10562	54.16667	NA	NA	1.280	1.35866280	NA
## 10563	54.42177	NA	NA	1.330	1.40440250	NA
## 10564	54.30464	NA	NA	1.380	1.45014220	NA
## 10565	53.24675	NA	NA	1.430	1.49588190	NA
## 10566	54.43038	NA	NA	1.480	1.54162160	NA
## 10627	66.44886	10002.1079	NA	6.750	7.06134250	NA
## 10628	66.13130	10551.3791	0.05346010	6.804	7.11817580	NA
## 10629	65.83660	10420.3949	-0.01249120	6.858	7.17500910	NA
## 10630	65.55463	10681.9693	0.02479270	6.912	7.23184240	NA
## 10631	65.36761	11251.9613	0.05198480	6.966	7.28867570	NA
## 10632	65.15526	11581.7399	0.02888770	7.020	7.34550890	NA
## 10693	67.36973	13959.8211	NA	8.840	8.65728160	NA
## 10694	67.10257	14633.3887	0.04712200	8.864	8.68639910	NA
## 10695	66.82809	14686.5193	0.00362490	8.888	8.71551650	NA
## 10696	66.57371	15253.2034	0.03785900	8.912	8.74463390	NA
## 10697	66.19441	16042.4538	0.05044940	8.936	8.77375130	NA
## 10698	66.03113	16943.7172	0.05465890	8.960	8.80286870	NA
## 10759	56.72372	NA	NA	0.850	0.39952443	NA
## 10760	56.06421	NA	NA	0.876	0.41812639	NA
## 10761	54.85549	NA	NA	0.902	0.43672836	NA
## 10762	53.92817	NA	NA	0.928	0.45533032	NA
## 10763	53.21001	NA	NA	0.954	0.47393228	NA
## 10764	52.58439	NA	NA	0.980	0.49253424	NA
## 10825	62.91139	NA	NA	4.130	4.05122310	NA
## 10826	62.94479	NA	NA	4.220	4.14813340	NA
## 10827	63.21429	NA	NA	4.310	4.24504380	NA
## 10828	63.04850	NA	NA	4.400	4.34195420	NA
## 10829	63.07520	NA	NA	4.490	4.43886460	NA
## 10830	62.22707	NA	NA	4.580	4.53577490	NA
## 10891	52.06738	NA	NA	1.210	0.51683145	NA
## 10892	51.99104	NA	NA	1.222	0.52351533	NA
## 10893	52.07373	NA	NA	1.234	0.53019922	NA
## 10894	52.18521	NA	NA	1.246	0.53688310	NA
## 10895	52.21890	NA	NA	1.258	0.54356698	NA
## 10896	52.28290	NA	NA	1.270	0.55025086	NA
## 10957	54.67933	1071.5257	NA	2.040	1.87511690	NA
## 10958	54.69207	1036.8036	-0.03294090	2.094	1.94640060	NA
## 10959	54.85085	985.3764	-0.05087420	2.148	2.01768430	NA
## 10960	54.98303	894.4680	-0.09679460	2.202	2.08896790	NA
## 10961	55.07297	934.9575	0.04427240	2.256	2.16025160	NA
## 10962	55.03843	868.8177	-0.07336810	2.310	2.23153530	NA

## 11023	55.65447	NA	NA	NA	NA	NA
## 11024	55.35240	NA	NA	NA	NA	NA
## 11025	55.24754	NA	NA	NA	NA	NA
## 11026	55.19618	NA	NA	NA	NA	NA
## 11027	55.16443	NA	NA	NA	NA	NA
## 11028	55.17158	NA	NA	NA	NA	NA
## 11089	54.51977	NA	NA	0.340	0.13016077	NA
## 11090	54.63347	NA	NA	0.352	0.13528338	NA
## 11091	54.64481	NA	NA	0.364	0.14040599	NA
## 11092	54.40977	NA	NA	0.376	0.14552859	NA
## 11093	54.31267	NA	NA	0.388	0.15065120	NA
## 11094	54.54545	NA	NA	0.400	0.15577381	NA
## 11155	47.82609	NA	NA	5.940	5.96222230	NA
## 11156	50.00000	NA	NA	5.974	5.96844450	NA
## 11157	56.00000	NA	NA	6.008	5.97466680	NA
## 11158	53.84615	NA	NA	6.042	5.98088900	NA
## 11159	51.85185	NA	NA	6.076	5.98711120	NA
## 11160	51.85185	NA	NA	6.110	5.99333350	NA
## 11221	55.59006	4110.9683	NA	5.000	5.10642370	NA
## 11222	55.18293	4437.4682	0.07642560	5.064	5.14221870	NA
## 11223	54.89614	4460.8537	0.00525570	5.128	5.17801380	NA
## 11224	54.33526	4911.7117	0.09628300	5.192	5.21380880	NA
## 11225	54.34174	5085.3759	0.03474620	5.256	5.24960380	NA
## 11226	54.34783	5440.5011	0.06750200	5.320	5.28539890	NA
## 11287	55.37190	NA	NA	0.650	0.34317014	NA
## 11288	55.23912	NA	NA	0.676	0.35594218	NA
## 11289	54.87098	NA	NA	0.702	0.36871423	NA
## 11290	54.55959	NA	NA	0.728	0.38148628	NA
## 11291	54.52223	NA	NA	0.754	0.39425832	NA
## 11292	54.51792	NA	NA	0.780	0.40703037	NA
## 11353	58.46198	3053.9055	NA	1.110	0.73694062	NA
## 11354	57.85352	3639.2770	0.17536350	1.164	0.77804244	NA
## 11355	56.98029	3892.1271	0.06717110	1.218	0.81914426	NA
## 11356	56.17047	4279.3221	0.09483910	1.272	0.86024608	NA
## 11357	55.62998	3823.4926	-0.11263080	1.326	0.90134791	NA
## 11358	55.27597	4079.1673	0.06472870	1.380	0.94244973	NA
## 11419	63.04700	NA	NA	NA	NA	NA
## 11420	62.77955	NA	NA	NA	NA	NA
## 11421	63.22379	NA	NA	NA	NA	NA
## 11422	62.99694	NA	NA	NA	NA	NA
## 11423	62.50000	NA	NA	NA	NA	NA
## 11424	62.08394	NA	NA	NA	NA	NA
## 11485	54.13766	854.4543	NA	0.890	0.47215957	NA
## 11486	53.73639	1050.3504	0.20641610	0.916	0.48967163	NA
## 11487	53.21402	952.9133	-0.09735540	0.942	0.50718368	NA
## 11488	52.77383	746.1396	-0.24461130	0.968	0.52469573	NA
## 11489	52.47662	803.0739	0.07353450	0.994	0.54220779	NA
## 11490	52.32794	780.3216	-0.02874090	1.020	0.55971984	NA
## 11551	66.57429	NA	NA	4.370	4.45643350	NA
## 11552	66.72862	NA	NA	4.484	4.58820320	NA
## 11553	67.20717	NA	NA	4.598	4.71997300	NA
## 11554	67.83233	NA	NA	4.712	4.85174280	NA
## 11555	68.40498	NA	NA	4.826	4.98351250	NA
## 11556	68.78667	NA	NA	4.940	5.11528230	NA

## 11617	52.94118	NA	NA	0.790	0.40800001	NA
## 11618	52.94118	NA	NA	0.860	0.46351112	NA
## 11619	54.28571	NA	NA	0.930	0.51902223	NA
## 11620	54.05405	NA	NA	1.000	0.57453334	NA
## 11621	52.63158	NA	NA	1.070	0.63004446	NA
## 11622	52.50000	NA	NA	1.140	0.68555557	NA
## 11683	66.63115	9263.1111	NA	6.390	6.83376710	NA
## 11684	66.29773	9367.3267	0.01118850	6.434	6.88890400	NA
## 11685	66.15513	9452.6312	0.00906470	6.478	6.94404090	NA
## 11686	65.96148	9990.2631	0.05531790	6.522	6.99917790	NA
## 11687	65.64048	10330.1954	0.03346060	6.566	7.05431480	NA
## 11688	65.28396	10697.6921	0.03495690	6.610	7.10945180	NA
## 11749	64.78989	14655.0194	NA	8.400	9.36072230	NA
## 11750	64.15681	15421.3689	0.05097200	8.470	9.45480850	NA
## 11751	63.58310	15721.4706	0.01927280	8.540	9.54889470	NA
## 11752	62.98452	16225.5749	0.03156090	8.610	9.64298100	NA
## 11753	62.36967	15856.2041	-0.02302740	8.680	9.73706720	NA
## 11754	61.77067	16777.4657	0.05647560	8.750	9.83115340	NA
## 11815	63.29114	6259.1469	NA	4.340	4.71553390	NA
## 11816	63.36014	7517.0955	0.18313600	4.392	4.78256040	NA
## 11817	63.37158	6752.6875	-0.10723970	4.444	4.84958700	NA
## 11818	63.55711	6916.7572	0.02400680	4.496	4.91661350	NA
## 11819	63.62855	7791.2804	0.11905770	4.548	4.98364010	NA
## 11820	63.69805	7848.0472	0.00726030	4.600	5.05066660	NA
## 11881	63.85710	NA	NA	NA	NA	NA
## 11882	63.93576	NA	NA	NA	NA	NA
## 11883	64.34644	NA	NA	NA	NA	NA
## 11884	64.61578	NA	NA	NA	NA	NA
## 11885	64.55214	NA	NA	NA	NA	NA
## 11886	64.30166	NA	NA	NA	NA	NA
## 11947	51.53043	NA	NA	NA	NA	NA
## 11948	51.57391	NA	NA	NA	NA	NA
## 11949	53.67917	NA	NA	NA	NA	NA
## 11950	51.63600	NA	NA	NA	NA	NA
## 11951	53.60385	NA	NA	NA	NA	NA
## 11952	53.72692	NA	NA	NA	NA	NA
## 12013	51.63569	5861.6473	NA	1.630	1.44355410	NA
## 12014	51.77809	6200.9754	0.05627630	1.700	1.50958450	NA
## 12015	51.94274	6725.1766	0.08115200	1.770	1.57561490	NA
## 12016	52.06017	6791.6909	0.00984100	1.840	1.64164530	NA
## 12017	52.21489	7260.3656	0.06673050	1.910	1.70767570	NA
## 12018	52.31188	7448.6226	0.02559950	1.980	1.77370610	NA
## 12079	63.68124	NA	NA	2.470	2.13179230	NA
## 12080	63.21812	NA	NA	2.472	2.12118360	NA
## 12081	62.55035	NA	NA	2.474	2.11057490	NA
## 12082	61.81481	NA	NA	2.476	2.09996620	NA
## 12083	61.08587	NA	NA	2.478	2.08935740	NA
## 12084	60.30566	NA	NA	2.480	2.07874870	NA
## 12145	52.88048	NA	NA	1.770	1.47452800	NA
## 12146	52.84757	NA	NA	1.808	1.51385460	NA
## 12147	52.89796	NA	NA	1.846	1.55318120	NA
## 12148	52.89913	NA	NA	1.884	1.59250780	NA
## 12149	52.85935	NA	NA	1.922	1.63183440	NA
## 12150	52.78195	2712.3880	NA	1.960	1.67116100	NA

## 12211	55.04720	NA	NA	1.580	1.57933020	NA
## 12212	54.75687	NA	NA	1.640	1.63529290	NA
## 12213	54.06699	NA	NA	1.700	1.69125560	NA
## 12214	53.47913	NA	NA	1.760	1.74721830	NA
## 12215	53.24342	1665.4632	NA	1.820	1.80318100	NA
## 12216	53.11333	1668.4131	0.00176950	1.880	1.85914370	NA
## 12277	54.24828	NA	NA	3.030	2.10198670	NA
## 12278	54.11145	1645.8893	NA	3.090	2.14921720	NA
## 12279	53.56151	1801.8751	0.09054703	3.150	2.19644770	NA
## 12280	53.10879	1920.1835	0.06359288	3.210	2.24367830	NA
## 12281	52.89994	1992.1558	0.03679663	3.270	2.29090880	NA
## 12282	52.81878	2074.6374	0.04056900	3.330	2.33813940	NA
##	ChildBearing	CountryCode				
## 1	29.8350	AFG				
## 2	29.8350	AFG				
## 3	29.8350	AFG				
## 4	29.8350	AFG				
## 5	29.8350	AFG				
## 6	29.8350	AFG				
## 67	31.2480	ALB				
## 68	31.2162	ALB				
## 69	31.1844	ALB				
## 70	31.1526	ALB				
## 71	31.1208	ALB				
## 72	31.0890	ALB				
## 133	29.8920	DZA				
## 134	29.8920	DZA				
## 135	29.8920	DZA				
## 136	29.8920	DZA				
## 137	29.8920	DZA				
## 138	29.8920	DZA				
## 199	28.2100	AGO				
## 200	28.2100	AGO				
## 201	28.2100	AGO				
## 202	28.2100	AGO				
## 203	28.2100	AGO				
## 204	28.2100	AGO				
## 265	26.8430	ATG				
## 266	26.8430	ATG				
## 267	26.8430	ATG				
## 268	26.8430	ATG				
## 269	26.8430	ATG				
## 270	26.8430	ATG				
## 331	28.2670	ARG				
## 332	28.2672	ARG				
## 333	28.2674	ARG				
## 334	28.2676	ARG				
## 335	28.2678	ARG				
## 336	28.2680	ARG				
## 397	30.4220	ARM				
## 398	30.3294	ARM				
## 399	30.2368	ARM				
## 400	30.1442	ARM				
## 401	30.0516	ARM				

## 402	29.9590	ARM
## 463	27.5300	ABW
## 464	27.5300	ABW
## 465	27.5300	ABW
## 466	27.5300	ABW
## 467	27.5300	ABW
## 468	27.5300	ABW
## 529	28.2680	AUS
## 530	28.2016	AUS
## 531	28.1352	AUS
## 532	28.0688	AUS
## 533	28.0024	AUS
## 534	27.9360	AUS
## 595	28.1420	AUT
## 596	28.1008	AUT
## 597	28.0596	AUT
## 598	28.0184	AUT
## 599	27.9772	AUT
## 600	27.9360	AUT
## 661	30.4610	AZE
## 662	30.4608	AZE
## 663	30.4606	AZE
## 664	30.4604	AZE
## 665	30.4602	AZE
## 666	30.4600	AZE
## 727	28.1020	BHS
## 728	28.1020	BHS
## 729	28.1020	BHS
## 730	28.1020	BHS
## 731	28.1020	BHS
## 732	28.1020	BHS
## 793	29.9320	BHR
## 794	29.9320	BHR
## 795	29.9320	BHR
## 796	29.9320	BHR
## 797	29.9320	BHR
## 798	29.9320	BHR
## 859	28.2700	BGD
## 860	28.2700	BGD
## 861	28.2700	BGD
## 862	28.2700	BGD
## 863	28.2700	BGD
## 864	28.2700	BGD
## 925	27.1290	BRB
## 926	27.1696	BRB
## 927	27.2102	BRB
## 928	27.2508	BRB
## 929	27.2914	BRB
## 930	27.3320	BRB
## 991	29.5960	BLR
## 992	29.5368	BLR
## 993	29.4776	BLR
## 994	29.4184	BLR
## 995	29.3592	BLR

## 996	29.3000	BLR
## 1057	29.1240	BEL
## 1058	29.0360	BEL
## 1059	28.9480	BEL
## 1060	28.8600	BEL
## 1061	28.7720	BEL
## 1062	28.6840	BEL
## 1123	27.3100	BLZ
## 1124	27.3100	BLZ
## 1125	27.3100	BLZ
## 1126	27.3100	BLZ
## 1127	27.3100	BLZ
## 1128	27.3100	BLZ
## 1189	30.6320	BEN
## 1190	30.6322	BEN
## 1191	30.6324	BEN
## 1192	30.6326	BEN
## 1193	30.6328	BEN
## 1194	30.6330	BEN
## 1255	29.2000	BTN
## 1256	29.2000	BTN
## 1257	29.2000	BTN
## 1258	29.2000	BTN
## 1259	29.2000	BTN
## 1260	29.2000	BTN
## 1321	30.4270	BOL
## 1322	30.4214	BOL
## 1323	30.4158	BOL
## 1324	30.4102	BOL
## 1325	30.4046	BOL
## 1326	30.3990	BOL
## 1387	30.6140	BIH
## 1388	30.5000	BIH
## 1389	30.3860	BIH
## 1390	30.2720	BIH
## 1391	30.1580	BIH
## 1392	30.0440	BIH
## 1453	29.8470	BWA
## 1454	29.8470	BWA
## 1455	29.8470	BWA
## 1456	29.8470	BWA
## 1457	29.8470	BWA
## 1458	29.8470	BWA
## 1519	30.1280	BRA
## 1520	30.1282	BRA
## 1521	30.1284	BRA
## 1522	30.1286	BRA
## 1523	30.1288	BRA
## 1524	30.1290	BRA
## 1585	28.8770	BRN
## 1586	28.8770	BRN
## 1587	28.8770	BRN
## 1588	28.8770	BRN
## 1589	28.8770	BRN

## 1590	28.8770	BRN
## 1651	27.5630	BGR
## 1652	27.3748	BGR
## 1653	27.1866	BGR
## 1654	26.9984	BGR
## 1655	26.8102	BGR
## 1656	26.6220	BGR
## 1717	27.1330	BFA
## 1718	27.2266	BFA
## 1719	27.3202	BFA
## 1720	27.4138	BFA
## 1721	27.5074	BFA
## 1722	27.6010	BFA
## 1783	31.3350	BDI
## 1784	31.3350	BDI
## 1785	31.3350	BDI
## 1786	31.3350	BDI
## 1787	31.3350	BDI
## 1788	31.3350	BDI
## 1849	30.4640	CPV
## 1850	30.4640	CPV
## 1851	30.4640	CPV
## 1852	30.4640	CPV
## 1853	30.4640	CPV
## 1854	30.4640	CPV
## 1915	30.0180	KHM
## 1916	30.0180	KHM
## 1917	30.0180	KHM
## 1918	30.0180	KHM
## 1919	30.0180	KHM
## 1920	30.0180	KHM
## 1981	28.6050	CMR
## 1982	28.6050	CMR
## 1983	28.6050	CMR
## 1984	28.6050	CMR
## 1985	28.6050	CMR
## 1986	28.6050	CMR
## 2047	28.6940	CAN
## 2048	28.6274	CAN
## 2049	28.5608	CAN
## 2050	28.4942	CAN
## 2051	28.4276	CAN
## 2052	28.3610	CAN
## 2113	28.6660	CAF
## 2114	28.6662	CAF
## 2115	28.6664	CAF
## 2116	28.6666	CAF
## 2117	28.6668	CAF
## 2118	28.6670	CAF
## 2179	28.2140	TCD
## 2180	28.2140	TCD
## 2181	28.2140	TCD
## 2182	28.2140	TCD
## 2183	28.2140	TCD



## 2184	28.2140	TCD
## 2245	29.7700	CHL
## 2246	29.7426	CHL
## 2247	29.7152	CHL
## 2248	29.6878	CHL
## 2249	29.6604	CHL
## 2250	29.6330	CHL
## 2311	29.5710	CHN
## 2312	29.5928	CHN
## 2313	29.6146	CHN
## 2314	29.6364	CHN
## 2315	29.6582	CHN
## 2316	29.6800	CHN
## 2377	29.5450	COL
## 2378	29.5450	COL
## 2379	29.5450	COL
## 2380	29.5450	COL
## 2381	29.5450	COL
## 2382	29.5450	COL
## 2443	30.6150	COM
## 2444	30.6150	COM
## 2445	30.6150	COM
## 2446	30.6150	COM
## 2447	30.6150	COM
## 2448	30.6150	COM
## 2509	29.3650	COD
## 2510	29.3352	COD
## 2511	29.3054	COD
## 2512	29.2756	COD
## 2513	29.2458	COD
## 2514	29.2160	COD
## 2575	29.3850	COG
## 2576	29.3850	COG
## 2577	29.3850	COG
## 2578	29.3850	COG
## 2579	29.3850	COG
## 2580	29.3850	COG
## 2641	28.9670	CRI
## 2642	28.9716	CRI
## 2643	28.9762	CRI
## 2644	28.9808	CRI
## 2645	28.9854	CRI
## 2646	28.9900	CRI
## 2707	27.4350	CIV
## 2708	27.5524	CIV
## 2709	27.6698	CIV
## 2710	27.7872	CIV
## 2711	27.9046	CIV
## 2712	28.0220	CIV
## 2773	28.9120	HRV
## 2774	28.7428	HRV
## 2775	28.5736	HRV
## 2776	28.4044	HRV
## 2777	28.2352	HRV

## 2778	28.0660	HRV
## 2839	28.4000	CUB
## 2840	28.3386	CUB
## 2841	28.2772	CUB
## 2842	28.2158	CUB
## 2843	28.1544	CUB
## 2844	28.0930	CUB
## 2905	27.5300	CUW
## 2906	27.5300	CUW
## 2907	27.5300	CUW
## 2908	27.5300	CUW
## 2909	27.5300	CUW
## 2910	27.5300	CUW
## 2971	30.7080	CYP
## 2972	30.5098	CYP
## 2973	30.3116	CYP
## 2974	30.1134	CYP
## 2975	29.9152	CYP
## 2976	29.7170	CYP
## 3037	27.8430	CZE
## 3038	27.6718	CZE
## 3039	27.5006	CZE
## 3040	27.3294	CZE
## 3041	27.1582	CZE
## 3042	26.9870	CZE
## 3103	27.9770	DNK
## 3104	27.8906	DNK
## 3105	27.8042	DNK
## 3106	27.7178	DNK
## 3107	27.6314	DNK
## 3108	27.5450	DNK
## 3169	32.4000	DJI
## 3170	32.3760	DJI
## 3171	32.3520	DJI
## 3172	32.3280	DJI
## 3173	32.3040	DJI
## 3174	32.2800	DJI
## 3235	29.0630	DOM
## 3236	29.0630	DOM
## 3237	29.0630	DOM
## 3238	29.0630	DOM
## 3239	29.0630	DOM
## 3240	29.0630	DOM
## 3301	29.6550	ECU
## 3302	29.6558	ECU
## 3303	29.6566	ECU
## 3304	29.6574	ECU
## 3305	29.6582	ECU
## 3306	29.6590	ECU
## 3367	28.4150	EGY
## 3368	28.4150	EGY
## 3369	28.4150	EGY
## 3370	28.4150	EGY
## 3371	28.4150	EGY

## 3372	28.4150	EGY
## 3433	29.3150	SLV
## 3434	29.3152	SLV
## 3435	29.3154	SLV
## 3436	29.3156	SLV
## 3437	29.3158	SLV
## 3438	29.3160	SLV
## 3499	28.8420	GNQ
## 3500	28.8398	GNQ
## 3501	28.8376	GNQ
## 3502	28.8354	GNQ
## 3503	28.8332	GNQ
## 3504	28.8310	GNQ
## 3565	30.8900	ERI
## 3566	30.8900	ERI
## 3567	30.8900	ERI
## 3568	30.8900	ERI
## 3569	30.8900	ERI
## 3570	30.8900	ERI
## 3631	28.4750	EST
## 3632	28.4166	EST
## 3633	28.3582	EST
## 3634	28.2998	EST
## 3635	28.2414	EST
## 3636	28.1830	EST
## 3697	30.7450	ETH
## 3698	30.7450	ETH
## 3699	30.7450	ETH
## 3700	30.7450	ETH
## 3701	30.7450	ETH
## 3702	30.7450	ETH
## 3763	28.7730	FJI
## 3764	28.7546	FJI
## 3765	28.7362	FJI
## 3766	28.7178	FJI
## 3767	28.6994	FJI
## 3768	28.6810	FJI
## 3829	29.8730	FIN
## 3830	29.7522	FIN
## 3831	29.6314	FIN
## 3832	29.5106	FIN
## 3833	29.3898	FIN
## 3834	29.2690	FIN
## 3895	28.2780	FRA
## 3896	28.2306	FRA
## 3897	28.1832	FRA
## 3898	28.1358	FRA
## 3899	28.0884	FRA
## 3900	28.0410	FRA
## 3961	27.4810	PYF
## 3962	27.4810	PYF
## 3963	27.4810	PYF
## 3964	27.4810	PYF
## 3965	27.4810	PYF

## 3966	27.4810	PYF
## 4027	27.6690	GAB
## 4028	27.6690	GAB
## 4029	27.6690	GAB
## 4030	27.6690	GAB
## 4031	27.6690	GAB
## 4032	27.6690	GAB
## 4093	27.8300	GMB
## 4094	27.8300	GMB
## 4095	27.8300	GMB
## 4096	27.8300	GMB
## 4097	27.8300	GMB
## 4098	27.8300	GMB
## 4159	28.9240	GEO
## 4160	28.9240	GEO
## 4161	28.9240	GEO
## 4162	28.9240	GEO
## 4163	28.9240	GEO
## 4164	28.9240	GEO
## 4225	27.6770	DEU
## 4226	27.6770	DEU
## 4227	27.6770	DEU
## 4228	27.6770	DEU
## 4229	27.6770	DEU
## 4230	27.6770	DEU
## 4291	30.0940	GHA
## 4292	30.0936	GHA
## 4293	30.0932	GHA
## 4294	30.0928	GHA
## 4295	30.0924	GHA
## 4296	30.0920	GHA
## 4357	30.5340	GRC
## 4358	30.4064	GRC
## 4359	30.2788	GRC
## 4360	30.1512	GRC
## 4361	30.0236	GRC
## 4362	29.8960	GRC
## 4423	29.1300	GTM
## 4424	29.1218	GTM
## 4425	29.1136	GTM
## 4426	29.1054	GTM
## 4427	29.0972	GTM
## 4428	29.0890	GTM
## 4489	27.0920	GIN
## 4490	27.1846	GIN
## 4491	27.2772	GIN
## 4492	27.3698	GIN
## 4493	27.4624	GIN
## 4494	27.5550	GIN
## 4555	28.9570	GNB
## 4556	28.9570	GNB
## 4557	28.9570	GNB
## 4558	28.9570	GNB
## 4559	28.9570	GNB

## 4560	28.9570	GNB
## 4621	27.0980	GUY
## 4622	27.1526	GUY
## 4623	27.2072	GUY
## 4624	27.2618	GUY
## 4625	27.3164	GUY
## 4626	27.3710	GUY
## 4687	31.5710	HTI
## 4688	31.5710	HTI
## 4689	31.5710	HTI
## 4690	31.5710	HTI
## 4691	31.5710	HTI
## 4692	31.5710	HTI
## 4753	29.3970	HND
## 4754	29.3970	HND
## 4755	29.3970	HND
## 4756	29.3970	HND
## 4757	29.3970	HND
## 4758	29.3970	HND
## 4819	29.0620	HKG
## 4820	29.0620	HKG
## 4821	29.0620	HKG
## 4822	29.0620	HKG
## 4823	29.0620	HKG
## 4824	29.0620	HKG
## 4885	28.1850	HUN
## 4886	27.9946	HUN
## 4887	27.8042	HUN
## 4888	27.6138	HUN
## 4889	27.4234	HUN
## 4890	27.2330	HUN
## 4951	28.7340	ISL
## 4952	28.6630	ISL
## 4953	28.5920	ISL
## 4954	28.5210	ISL
## 4955	28.4500	ISL
## 4956	28.3790	ISL
## 5017	29.5540	IND
## 5018	29.5540	IND
## 5019	29.5540	IND
## 5020	29.5540	IND
## 5021	29.5540	IND
## 5022	29.5540	IND
## 5083	28.2650	IDN
## 5084	28.2650	IDN
## 5085	28.2650	IDN
## 5086	28.2650	IDN
## 5087	28.2650	IDN
## 5088	28.2650	IDN
## 5149	29.2950	IRN
## 5150	29.2950	IRN
## 5151	29.2950	IRN
## 5152	29.2950	IRN
## 5153	29.2950	IRN

## 5154	29.2950	IRN
## 5215	28.6970	IRQ
## 5216	28.6970	IRQ
## 5217	28.6970	IRQ
## 5218	28.6970	IRQ
## 5219	28.6970	IRQ
## 5220	28.6970	IRQ
## 5281	31.4110	IRL
## 5282	31.4138	IRL
## 5283	31.4166	IRL
## 5284	31.4194	IRL
## 5285	31.4222	IRL
## 5286	31.4250	IRL
## 5347	27.5140	ISR
## 5348	27.5482	ISR
## 5349	27.5824	ISR
## 5350	27.6166	ISR
## 5351	27.6508	ISR
## 5352	27.6850	ISR
## 5413	30.2100	ITA
## 5414	30.1296	ITA
## 5415	30.0492	ITA
## 5416	29.9688	ITA
## 5417	29.8884	ITA
## 5418	29.8080	ITA
## 5479	27.2360	JAM
## 5480	27.2638	JAM
## 5481	27.2916	JAM
## 5482	27.3194	JAM
## 5483	27.3472	JAM
## 5484	27.3750	JAM
## 5545	30.3170	JPN
## 5546	30.1146	JPN
## 5547	29.9122	JPN
## 5548	29.7098	JPN
## 5549	29.5074	JPN
## 5550	29.3050	JPN
## 5611	29.1850	JOR
## 5612	29.2432	JOR
## 5613	29.3014	JOR
## 5614	29.3596	JOR
## 5615	29.4178	JOR
## 5616	29.4760	JOR
## 5677	29.7560	KAZ
## 5678	29.7286	KAZ
## 5679	29.7012	KAZ
## 5680	29.6738	KAZ
## 5681	29.6464	KAZ
## 5682	29.6190	KAZ
## 5743	29.1350	KEN
## 5744	29.1350	KEN
## 5745	29.1350	KEN
## 5746	29.1350	KEN
## 5747	29.1350	KEN

## 5748	29.1350	KEN
## 5809	30.2200	KIR
## 5810	30.2200	KIR
## 5811	30.2200	KIR
## 5812	30.2200	KIR
## 5813	30.2200	KIR
## 5814	30.2200	KIR
## 5875	31.6080	PRK
## 5876	31.6032	PRK
## 5877	31.5984	PRK
## 5878	31.5936	PRK
## 5879	31.5888	PRK
## 5880	31.5840	PRK
## 5941	30.4850	KOR
## 5942	30.4850	KOR
## 5943	30.4850	KOR
## 5944	30.4850	KOR
## 5945	30.4850	KOR
## 5946	30.4850	KOR
## 6007	28.0910	KWT
## 6008	28.0910	KWT
## 6009	28.0910	KWT
## 6010	28.0910	KWT
## 6011	28.0910	KWT
## 6012	28.0910	KWT
## 6073	30.7240	KGZ
## 6074	30.6822	KGZ
## 6075	30.6404	KGZ
## 6076	30.5986	KGZ
## 6077	30.5568	KGZ
## 6078	30.5150	KGZ
## 6139	29.5520	LAO
## 6140	29.5520	LAO
## 6141	29.5520	LAO
## 6142	29.5520	LAO
## 6143	29.5520	LAO
## 6144	29.5520	LAO
## 6205	28.1910	LVA
## 6206	28.1910	LVA
## 6207	28.1910	LVA
## 6208	28.1910	LVA
## 6209	28.1910	LVA
## 6210	28.1910	LVA
## 6271	29.3360	LBN
## 6272	29.3360	LBN
## 6273	29.3360	LBN
## 6274	29.3360	LBN
## 6275	29.3360	LBN
## 6276	29.3360	LBN
## 6337	30.0700	LSO
## 6338	30.0700	LSO
## 6339	30.0700	LSO
## 6340	30.0700	LSO
## 6341	30.0700	LSO

## 6342	30.0700	LSO
## 6403	28.2500	LBR
## 6404	28.2500	LBR
## 6405	28.2500	LBR
## 6406	28.2500	LBR
## 6407	28.2500	LBR
## 6408	28.2500	LBR
## 6469	29.3460	LBY
## 6470	29.3460	LBY
## 6471	29.3460	LBY
## 6472	29.3460	LBY
## 6473	29.3460	LBY
## 6474	29.3460	LBY
## 6535	29.2510	LTU
## 6536	29.2654	LTU
## 6537	29.2798	LTU
## 6538	29.2942	LTU
## 6539	29.3086	LTU
## 6540	29.3230	LTU
## 6601	27.4590	LUX
## 6602	27.4590	LUX
## 6603	27.4590	LUX
## 6604	27.4590	LUX
## 6605	27.4590	LUX
## 6606	27.4590	LUX
## 6667	30.3220	MAC
## 6668	30.3220	MAC
## 6669	30.3220	MAC
## 6670	30.3220	MAC
## 6671	30.3220	MAC
## 6672	30.3220	MAC
## 6733	31.4080	MKD
## 6734	31.2108	MKD
## 6735	31.0136	MKD
## 6736	30.8164	MKD
## 6737	30.6192	MKD
## 6738	30.4220	MKD
## 6799	29.3400	MDG
## 6800	29.3400	MDG
## 6801	29.3400	MDG
## 6802	29.3400	MDG
## 6803	29.3400	MDG
## 6804	29.3400	MDG
## 6865	29.7130	MWI
## 6866	29.7130	MWI
## 6867	29.7130	MWI
## 6868	29.7130	MWI
## 6869	29.7130	MWI
## 6870	29.7130	MWI
## 6931	29.4140	MYS
## 6932	29.4140	MYS
## 6933	29.4140	MYS
## 6934	29.4140	MYS
## 6935	29.4140	MYS



## 6936	29.4140	MYS
## 6997	28.1840	MDV
## 6998	28.1840	MDV
## 6999	28.1840	MDV
## 7000	28.1840	MDV
## 7001	28.1840	MDV
## 7002	28.1840	MDV
## 7063	29.0460	MLI
## 7064	29.0460	MLI
## 7065	29.0460	MLI
## 7066	29.0460	MLI
## 7067	29.0460	MLI
## 7068	29.0460	MLI
## 7129	29.0040	MLT
## 7130	29.0040	MLT
## 7131	29.0040	MLT
## 7132	29.0040	MLT
## 7133	29.0040	MLT
## 7134	29.0040	MLT
## 7195	29.0820	MRT
## 7196	29.1428	MRT
## 7197	29.2036	MRT
## 7198	29.2644	MRT
## 7199	29.3252	MRT
## 7200	29.3860	MRT
## 7261	28.0550	MUS
## 7262	28.0550	MUS
## 7263	28.0550	MUS
## 7264	28.0550	MUS
## 7265	28.0550	MUS
## 7266	28.0550	MUS
## 7327	29.5710	MEX
## 7328	29.5710	MEX
## 7329	29.5710	MEX
## 7330	29.5710	MEX
## 7331	29.5710	MEX
## 7332	29.5710	MEX
## 7393	30.2200	FSM
## 7394	30.2200	FSM
## 7395	30.2200	FSM
## 7396	30.2200	FSM
## 7397	30.2200	FSM
## 7398	30.2200	FSM
## 7459	29.1200	MDA
## 7460	29.1200	MDA
## 7461	29.1200	MDA
## 7462	29.1200	MDA
## 7463	29.1200	MDA
## 7464	29.1200	MDA
## 7525	31.4670	MNG
## 7526	31.4672	MNG
## 7527	31.4674	MNG
## 7528	31.4676	MNG
## 7529	31.4678	MNG

## 7530	31.4680	MNG
## 7591	31.4930	MNE
## 7592	31.2778	MNE
## 7593	31.0626	MNE
## 7594	30.8474	MNE
## 7595	30.6322	MNE
## 7596	30.4170	MNE
## 7657	29.2330	MAR
## 7658	29.2330	MAR
## 7659	29.2330	MAR
## 7660	29.2330	MAR
## 7661	29.2330	MAR
## 7662	29.2330	MAR
## 7723	30.3770	MOZ
## 7724	30.3770	MOZ
## 7725	30.3770	MOZ
## 7726	30.3770	MOZ
## 7727	30.3770	MOZ
## 7728	30.3770	MOZ
## 7789	29.6150	MMR
## 7790	29.6150	MMR
## 7791	29.6150	MMR
## 7792	29.6150	MMR
## 7793	29.6150	MMR
## 7794	29.6150	MMR
## 7855	30.2320	NAM
## 7856	30.2322	NAM
## 7857	30.2324	NAM
## 7858	30.2326	NAM
## 7859	30.2328	NAM
## 7860	30.2330	NAM
## 7921	29.4850	NPL
## 7922	29.4850	NPL
## 7923	29.4850	NPL
## 7924	29.4850	NPL
## 7925	29.4850	NPL
## 7926	29.4850	NPL
## 7987	31.3140	NLD
## 7988	31.1914	NLD
## 7989	31.0688	NLD
## 7990	30.9462	NLD
## 7991	30.8236	NLD
## 7992	30.7010	NLD
## 8053	30.4500	NCL
## 8054	30.4500	NCL
## 8055	30.4500	NCL
## 8056	30.4500	NCL
## 8057	30.4500	NCL
## 8058	30.4500	NCL
## 8119	27.3740	NZL
## 8120	27.3740	NZL
## 8121	27.3740	NZL
## 8122	27.3740	NZL
## 8123	27.3740	NZL

## 8124	27.3740	NZL
## 8185	28.8510	NIC
## 8186	28.8510	NIC
## 8187	28.8510	NIC
## 8188	28.8510	NIC
## 8189	28.8510	NIC
## 8190	28.8510	NIC
## 8251	28.8420	NER
## 8252	28.8534	NER
## 8253	28.8648	NER
## 8254	28.8762	NER
## 8255	28.8876	NER
## 8256	28.8990	NER
## 8317	29.5000	NGA
## 8318	29.5000	NGA
## 8319	29.5000	NGA
## 8320	29.5000	NGA
## 8321	29.5000	NGA
## 8322	29.5000	NGA
## 8383	30.3080	NOR
## 8384	30.1434	NOR
## 8385	29.9788	NOR
## 8386	29.8142	NOR
## 8387	29.6496	NOR
## 8388	29.4850	NOR
## 8449	31.5970	OMN
## 8450	31.5970	OMN
## 8451	31.5970	OMN
## 8452	31.5970	OMN
## 8453	31.5970	OMN
## 8454	31.5970	OMN
## 8515	29.9460	PAK
## 8516	29.9460	PAK
## 8517	29.9460	PAK
## 8518	29.9460	PAK
## 8519	29.9460	PAK
## 8520	29.9460	PAK
## 8581	28.3020	PAN
## 8582	28.3046	PAN
## 8583	28.3072	PAN
## 8584	28.3098	PAN
## 8585	28.3124	PAN
## 8586	28.3150	PAN
## 8647	30.3510	PNG
## 8648	30.3516	PNG
## 8649	30.3522	PNG
## 8650	30.3528	PNG
## 8651	30.3534	PNG
## 8652	30.3540	PNG
## 8713	30.0590	PRY
## 8714	30.0590	PRY
## 8715	30.0590	PRY
## 8716	30.0590	PRY
## 8717	30.0590	PRY

## 8718	30.0590	PRY
## 8779	29.9240	PER
## 8780	29.9240	PER
## 8781	29.9240	PER
## 8782	29.9240	PER
## 8783	29.9240	PER
## 8784	29.9240	PER
## 8845	30.7030	PHL
## 8846	30.7030	PHL
## 8847	30.7030	PHL
## 8848	30.7030	PHL
## 8849	30.7030	PHL
## 8850	30.7030	PHL
## 8911	29.6610	POL
## 8912	29.5024	POL
## 8913	29.3438	POL
## 8914	29.1852	POL
## 8915	29.0266	POL
## 8916	28.8680	POL
## 8977	30.5720	PRT
## 8978	30.4934	PRT
## 8979	30.4148	PRT
## 8980	30.3362	PRT
## 8981	30.2576	PRT
## 8982	30.1790	PRT
## 9043	28.0590	QAT
## 9044	28.0590	QAT
## 9045	28.0590	QAT
## 9046	28.0590	QAT
## 9047	28.0590	QAT
## 9048	28.0590	QAT
## 9109	28.2330	ROU
## 9110	28.1474	ROU
## 9111	28.0618	ROU
## 9112	27.9762	ROU
## 9113	27.8906	ROU
## 9114	27.8050	ROU
## 9175	30.0560	RUS
## 9176	29.9092	RUS
## 9177	29.7624	RUS
## 9178	29.6156	RUS
## 9179	29.4688	RUS
## 9180	29.3220	RUS
## 9241	31.5670	RWA
## 9242	31.5670	RWA
## 9243	31.5670	RWA
## 9244	31.5670	RWA
## 9245	31.5670	RWA
## 9246	31.5670	RWA
## 9307	30.2700	WSM
## 9308	30.2700	WSM
## 9309	30.2700	WSM
## 9310	30.2700	WSM
## 9311	30.2700	WSM

## 9312	30.2700	WSM
## 9373	28.2300	STP
## 9374	28.2300	STP
## 9375	28.2300	STP
## 9376	28.2300	STP
## 9377	28.2300	STP
## 9378	28.2300	STP
## 9439	30.6020	SAU
## 9440	30.6020	SAU
## 9441	30.6020	SAU
## 9442	30.6020	SAU
## 9443	30.6020	SAU
## 9444	30.6020	SAU
## 9505	28.3930	SEN
## 9506	28.4428	SEN
## 9507	28.4926	SEN
## 9508	28.5424	SEN
## 9509	28.5922	SEN
## 9510	28.6420	SEN
## 9571	29.3420	SRB
## 9572	29.0750	SRB
## 9573	28.8080	SRB
## 9574	28.5410	SRB
## 9575	28.2740	SRB
## 9576	28.0070	SRB
## 9637	27.8320	SYC
## 9638	27.8320	SYC
## 9639	27.8320	SYC
## 9640	27.8320	SYC
## 9641	27.8320	SYC
## 9642	27.8320	SYC
## 9703	28.7240	SLE
## 9704	28.7240	SLE
## 9705	28.7240	SLE
## 9706	28.7240	SLE
## 9707	28.7240	SLE
## 9708	28.7240	SLE
## 9769	28.5770	SGP
## 9770	28.6516	SGP
## 9771	28.7262	SGP
## 9772	28.8008	SGP
## 9773	28.8754	SGP
## 9774	28.9500	SGP
## 9835	28.7250	SVK
## 9836	28.5920	SVK
## 9837	28.4590	SVK
## 9838	28.3260	SVK
## 9839	28.1930	SVK
## 9840	28.0600	SVK
## 9901	30.8670	SVN
## 9902	30.6354	SVN
## 9903	30.4038	SVN
## 9904	30.1722	SVN
## 9905	29.9406	SVN

## 9906	29.7090	SVN
## 9967	31.4560	SLB
## 9968	31.4560	SLB
## 9969	31.4560	SLB
## 9970	31.4560	SLB
## 9971	31.4560	SLB
## 9972	31.4560	SLB
## 10033	32.1580	SOM
## 10034	32.1580	SOM
## 10035	32.1580	SOM
## 10036	32.1580	SOM
## 10037	32.1580	SOM
## 10038	32.1580	SOM
## 10099	31.1050	ZAF
## 10100	31.1050	ZAF
## 10101	31.1050	ZAF
## 10102	31.1050	ZAF
## 10103	31.1050	ZAF
## 10104	31.1050	ZAF
## 10165	31.0260	ESP
## 10166	30.9284	ESP
## 10167	30.8308	ESP
## 10168	30.7332	ESP
## 10169	30.6356	ESP
## 10170	30.5380	ESP
## 10231	29.1890	LKA
## 10232	29.1890	LKA
## 10233	29.1890	LKA
## 10234	29.1890	LKA
## 10235	29.1890	LKA
## 10236	29.1890	LKA
## 10297	27.1290	LCA
## 10298	27.2540	LCA
## 10299	27.3790	LCA
## 10300	27.5040	LCA
## 10301	27.6290	LCA
## 10302	27.7540	LCA
## 10363	27.9650	VCT
## 10364	27.9650	VCT
## 10365	27.9650	VCT
## 10366	27.9650	VCT
## 10367	27.9650	VCT
## 10368	27.9650	VCT
## 10429	29.2790	SDN
## 10430	29.2790	SDN
## 10431	29.2790	SDN
## 10432	29.2790	SDN
## 10433	29.2790	SDN
## 10434	29.2790	SDN
## 10495	26.9370	SUR
## 10496	26.9596	SUR
## 10497	26.9822	SUR
## 10498	27.0048	SUR
## 10499	27.0274	SUR

## 10500	27.0500	SUR
## 10561	30.8060	SWZ
## 10562	30.7526	SWZ
## 10563	30.6992	SWZ
## 10564	30.6458	SWZ
## 10565	30.5924	SWZ
## 10566	30.5390	SWZ
## 10627	28.2150	SWE
## 10628	28.1522	SWE
## 10629	28.0894	SWE
## 10630	28.0266	SWE
## 10631	27.9638	SWE
## 10632	27.9010	SWE
## 10693	29.8370	CHE
## 10694	29.7488	CHE
## 10695	29.6606	CHE
## 10696	29.5724	CHE
## 10697	29.4842	CHE
## 10698	29.3960	CHE
## 10759	29.0790	SYR
## 10760	29.0790	SYR
## 10761	29.0790	SYR
## 10762	29.0790	SYR
## 10763	29.0790	SYR
## 10764	29.0790	SYR
## 10825	29.9140	TJK
## 10826	29.8742	TJK
## 10827	29.8344	TJK
## 10828	29.7946	TJK
## 10829	29.7548	TJK
## 10830	29.7150	TJK
## 10891	29.4530	TZA
## 10892	29.4530	TZA
## 10893	29.4530	TZA
## 10894	29.4530	TZA
## 10895	29.4530	TZA
## 10896	29.4530	TZA
## 10957	30.8030	THA
## 10958	30.8030	THA
## 10959	30.8030	THA
## 10960	30.8030	THA
## 10961	30.8030	THA
## 10962	30.8030	THA
## 11023	29.7630	TMP
## 11024	29.7630	TMP
## 11025	29.7630	TMP
## 11026	29.7630	TMP
## 11027	29.7630	TMP
## 11028	29.7630	TMP
## 11089	27.6570	TGO
## 11090	27.7606	TGO
## 11091	27.8642	TGO
## 11092	27.9678	TGO
## 11093	28.0714	TGO

## 11094	28.1750	TGO
## 11155	31.5560	TON
## 11156	31.5560	TON
## 11157	31.5560	TON
## 11158	31.5560	TON
## 11159	31.5560	TON
## 11160	31.5560	TON
## 11221	26.7840	TTO
## 11222	26.8310	TTO
## 11223	26.8780	TTO
## 11224	26.9250	TTO
## 11225	26.9720	TTO
## 11226	27.0190	TTO
## 11287	30.7480	TUN
## 11288	30.7480	TUN
## 11289	30.7480	TUN
## 11290	30.7480	TUN
## 11291	30.7480	TUN
## 11292	30.7480	TUN
## 11353	28.7370	TUR
## 11354	28.7028	TUR
## 11355	28.6686	TUR
## 11356	28.6344	TUR
## 11357	28.6002	TUR
## 11358	28.5660	TUR
## 11419	30.5690	TKM
## 11420	30.5998	TKM
## 11421	30.6306	TKM
## 11422	30.6614	TKM
## 11423	30.6922	TKM
## 11424	30.7230	TKM
## 11485	29.0590	UGA
## 11486	29.0590	UGA
## 11487	29.0590	UGA
## 11488	29.0590	UGA
## 11489	29.0590	UGA
## 11490	29.0590	UGA
## 11551	28.6410	UKR
## 11552	28.5462	UKR
## 11553	28.4514	UKR
## 11554	28.3566	UKR
## 11555	28.2618	UKR
## 11556	28.1670	UKR
## 11617	28.7770	ARE
## 11618	28.7770	ARE
## 11619	28.7770	ARE
## 11620	28.7770	ARE
## 11621	28.7770	ARE
## 11622	28.7770	ARE
## 11683	25.8700	GBR
## 11684	25.8700	GBR
## 11685	25.8700	GBR
## 11686	25.8700	GBR
## 11687	25.8700	GBR



## 11688	25.8700	GBR
## 11749	26.7500	USA
## 11750	26.7194	USA
## 11751	26.6888	USA
## 11752	26.6582	USA
## 11753	26.6276	USA
## 11754	26.5970	USA
## 11815	27.7840	URY
## 11816	27.7842	URY
## 11817	27.7844	URY
## 11818	27.7846	URY
## 11819	27.7848	URY
## 11820	27.7850	URY
## 11881	31.0280	UZB
## 11882	31.0280	UZB
## 11883	31.0280	UZB
## 11884	31.0280	UZB
## 11885	31.0280	UZB
## 11886	31.0280	UZB
## 11947	29.0560	VUT
## 11948	29.0560	VUT
## 11949	29.0560	VUT
## 11950	29.0560	VUT
## 11951	29.0560	VUT
## 11952	29.0560	VUT
## 12013	28.7360	VEN
## 12014	28.7354	VEN
## 12015	28.7348	VEN
## 12016	28.7342	VEN
## 12017	28.7336	VEN
## 12018	28.7330	VEN
## 12079	31.8100	VNM
## 12080	31.8100	VNM
## 12081	31.8100	VNM
## 12082	31.8100	VNM
## 12083	31.8100	VNM
## 12084	31.8100	VNM
## 12145	29.8240	ZMB
## 12146	29.8240	ZMB
## 12147	29.8240	ZMB
## 12148	29.8240	ZMB
## 12149	29.8240	ZMB
## 12150	29.8240	ZMB
## 12211	29.5490	ZWE
## 12212	29.5488	ZWE
## 12213	29.5486	ZWE
## 12214	29.5484	ZWE
## 12215	29.5482	ZWE
## 12216	29.5480	ZWE
## 12277	30.8700	TWN
## 12278	30.8064	TWN
## 12279	30.7428	TWN
## 12280	30.6792	TWN
## 12281	30.6156	TWN

```
## 12282      30.5520      TWN
```

```
# 7
```

```
data[data$TFR == 7.45 & data$Year > 1960,]
```

##	Country	Uncode	Year	TFR	InfMRateCME	InfMRateUN	U5MRateCME	U5MRateUN
## 12	Afghanistan	4	1961	7.45	240.5	251.1132	356.5	368.4389
## 13	Afghanistan	4	1962	7.45	236.3	246.7364	350.6	362.9053
## 14	Afghanistan	4	1963	7.45	232.3	242.3596	345.0	357.3718
## 15	Afghanistan	4	1964	7.45	228.5	237.9828	339.7	351.8383
## 16	Afghanistan	4	1965	7.45	224.6	233.6060	334.1	346.3048
## 17	Afghanistan	4	1966	7.45	220.7	229.9888	328.7	341.2930
## 18	Afghanistan	4	1967	7.45	217.0	226.3716	323.3	336.2813
## 19	Afghanistan	4	1968	7.45	213.3	222.7544	318.1	331.2695
## 20	Afghanistan	4	1969	7.45	209.8	219.1372	313.0	326.2578
## 21	Afghanistan	4	1970	7.45	206.1	215.5200	307.8	321.2461
## 22	Afghanistan	4	1971	7.45	202.2	212.0776	302.1	316.2930
## 23	Afghanistan	4	1972	7.45	198.2	208.6352	296.4	311.3399
## 24	Afghanistan	4	1973	7.45	194.3	205.1928	290.8	306.3868
## 25	Afghanistan	4	1974	7.45	190.3	201.7504	284.9	301.4337
## 26	Afghanistan	4	1975	7.45	186.6	198.3080	279.4	296.4807
## 27	Afghanistan	4	1976	7.45	182.6	194.6348	273.6	291.1081
## 33	Afghanistan	4	1982	7.45	157.5	171.5124	236.2	257.0394
## 1813	Burundi	108	1980	7.45	131.1	125.0440	221.8	210.9502
##	LifeExpB	MtoFbirth	MtoF04	Pop1564	Pop1564Female	GDPpc	GDPpcGrowth	
## 12	32.7774	1.06	1.0171610	54.74086	53.69702	NA	NA	
## 13	33.2199	1.06	1.0162340	54.53767	53.62031	NA	NA	
## 14	33.6579	1.06	1.0213650	54.46916	53.74811	NA	NA	
## 15	34.0929	1.06	1.0272910	54.43051	53.94208	NA	NA	
## 16	34.5254	1.06	1.0303760	54.34323	53.93676	NA	NA	
## 17	34.9574	1.06	1.0333430	54.02503	53.72803	NA	NA	
## 18	35.3894	1.06	1.0345310	53.75193	53.51640	NA	NA	
## 19	35.8224	1.06	1.0341780	53.49057	53.29087	NA	NA	
## 20	36.2604	1.06	1.0336680	53.28111	53.09851	NA	NA	
## 21	36.7028	1.06	1.0338220	53.15169	53.00165	NA	NA	
## 22	37.1528	1.06	1.0341630	52.80820	52.68990	NA	NA	
## 23	37.6101	1.06	1.0345120	52.55612	52.47869	NA	NA	
## 24	38.0785	1.06	1.0350590	52.41620	52.37127	NA	NA	
## 25	38.5609	1.06	1.0358250	52.31019	52.28888	NA	NA	
## 26	39.0593	1.06	1.0369270	52.26893	52.27162	NA	NA	
## 27	39.5757	1.06	1.0376880	52.00281	52.03677	NA	NA	
## 33	43.2307	1.06	1.0460300	51.10918	51.25563	NA	NA	
## 1813	47.2628	1.03	0.9952219	52.38672	53.19849	813.2963	-0.0340395	
##	Yschooling	YschoolF1549	GenrollPrim	ChildBearing	CountryCode			
## 12	0.380	0.1088078	NA	29.8350	AFG			
## 13	0.390	0.1101457	NA	29.8350	AFG			
## 14	0.400	0.1114836	NA	29.8350	AFG			
## 15	0.410	0.1128215	NA	29.8350	AFG			
## 16	0.420	0.1141593	NA	29.8350	AFG			
## 17	0.474	0.1291685	NA	29.8350	AFG			
## 18	0.528	0.1441776	NA	29.8350	AFG			
## 19	0.582	0.1591867	NA	29.8350	AFG			
## 20	0.636	0.1741959	NA	29.8350	AFG			
## 21	0.690	0.1892050	31.3417	29.8350	AFG			
## 22	0.736	0.2042774	32.2103	29.8350	AFG			

```
## 23      0.782    0.2193497    32.5075    29.8350    AFG
## 24      0.828    0.2344220    32.8738    29.8350    AFG
## 25      0.874    0.2494944    33.4376    29.8350    AFG
## 26      0.920    0.2645667    33.3162    29.8350    AFG
## 27      0.980    0.2942870    34.2923    29.8422    AFG
## 33      1.360    0.4975002    17.6811    29.8842    AFG
## 1813    1.450    1.1398347    25.9890    31.3350    BDI
```

```
# 8
```

```
data[c(F,T),]
```

```
##          Country Uncode Year      TFR InfMRateCME
## 2      Afghanistan      4 1951  7.45000          NA
## 4      Afghanistan      4 1953  7.45000          NA
## 6      Afghanistan      4 1955  7.45000          NA
## 8      Afghanistan      4 1957  7.45000          NA
## 10     Afghanistan      4 1959  7.45000          NA
## 12     Afghanistan      4 1961  7.45000        240.5
## 14     Afghanistan      4 1963  7.45000        232.3
## 16     Afghanistan      4 1965  7.45000        224.6
## 18     Afghanistan      4 1967  7.45000        217.0
## 20     Afghanistan      4 1969  7.45000        209.8
## 22     Afghanistan      4 1971  7.45000        202.2
## 24     Afghanistan      4 1973  7.45000        194.3
## 26     Afghanistan      4 1975  7.45000        186.6
## 28     Afghanistan      4 1977  7.44900        178.7
## 30     Afghanistan      4 1979  7.44900        170.4
## 32     Afghanistan      4 1981  7.44900        161.8
## 34     Afghanistan      4 1983  7.45200        153.2
## 36     Afghanistan      4 1985  7.45800        144.5
## 38     Afghanistan      4 1987  7.46100        135.7
## 40     Afghanistan      4 1989  7.46100        126.8
## 42     Afghanistan      4 1991  7.47900        118.3
## 44     Afghanistan      4 1993  7.53500        110.9
## 46     Afghanistan      4 1995  7.60600        105.0
## 48     Afghanistan      4 1997  7.63600        100.7
## 50     Afghanistan      4 1999  7.57100         97.2
## 52     Afghanistan      4 2001  7.39500         93.4
## 54     Afghanistan      4 2003  7.13700         89.0
## 56     Afghanistan      4 2005  6.82200         84.4
## 58     Afghanistan      4 2007  6.43700         80.4
## 60     Afghanistan      4 2009  5.98500         76.8
## 62     Afghanistan      4 2011  5.50600         73.4
## 64     Afghanistan      4 2013  5.05000         69.9
## 66     Afghanistan      4 2015  4.65300         66.3
## 68      Albania      8 1951  5.97704          NA
## 70      Albania      8 1953  6.10352          NA
## 72      Albania      8 1955  6.23000          NA
## 74      Albania      8 1957  6.35648          NA
## 76      Albania      8 1959  6.48296          NA
## 78      Albania      8 1961  6.40100          NA
## 80      Albania      8 1963  6.13300          NA
## 82      Albania      8 1965  5.77300          NA
## 84      Albania      8 1967  5.39400          NA
## 86      Albania      8 1969  5.05700          NA
```

## 88	Albania	8	1971	4.77500	NA
## 90	Albania	8	1973	4.50900	NA
## 92	Albania	8	1975	4.23500	NA
## 94	Albania	8	1977	3.96600	NA
## 96	Albania	8	1979	3.72500	68.4
## 98	Albania	8	1981	3.53000	59.9
## 100	Albania	8	1983	3.38300	52.4
## 102	Albania	8	1985	3.26900	45.9
## 104	Albania	8	1987	3.16400	40.8
## 106	Albania	8	1989	3.04600	36.7
## 108	Albania	8	1991	2.90500	33.7
## 110	Albania	8	1993	2.75100	31.4
## 112	Albania	8	1995	2.59100	29.1
## 114	Albania	8	1997	2.42300	26.8
## 116	Albania	8	1999	2.24900	24.4
## 118	Albania	8	2001	2.06800	22.1
## 120	Albania	8	2003	1.88400	20.0
## 122	Albania	8	2005	1.72400	18.3
## 124	Albania	8	2007	1.63500	16.7
## 126	Albania	8	2009	1.63600	15.4
## 128	Albania	8	2011	1.69900	14.3
## 130	Albania	8	2013	1.76500	13.3
## 132	Albania	8	2015	1.79300	12.5
## 134	Algeria	12	1951	7.19320	NA
## 136	Algeria	12	1953	7.23560	NA
## 138	Algeria	12	1955	7.27800	149.9
## 140	Algeria	12	1957	7.32040	149.0
## 142	Algeria	12	1959	7.36280	148.4
## 144	Algeria	12	1961	7.57300	148.1
## 146	Algeria	12	1963	7.64600	148.4
## 148	Algeria	12	1965	7.67500	149.1
## 150	Algeria	12	1967	7.67200	149.2
## 152	Algeria	12	1969	7.65600	147.7
## 154	Algeria	12	1971	7.62400	143.6
## 156	Algeria	12	1973	7.55800	137.0
## 158	Algeria	12	1975	7.43400	128.7
## 160	Algeria	12	1977	7.23400	119.0
## 162	Algeria	12	1979	6.95700	107.8
## 164	Algeria	12	1981	6.61700	93.4
## 166	Algeria	12	1983	6.23700	75.0
## 168	Algeria	12	1985	5.83500	57.2
## 170	Algeria	12	1987	5.41200	46.3
## 172	Algeria	12	1989	4.96200	41.0
## 174	Algeria	12	1991	4.47900	38.8
## 176	Algeria	12	1993	3.96200	37.5
## 178	Algeria	12	1995	3.44800	36.3
## 180	Algeria	12	1997	2.98800	35.1
## 182	Algeria	12	1999	2.63500	34.4
## 184	Algeria	12	2001	2.43800	33.3
## 186	Algeria	12	2003	2.40700	31.3
## 188	Algeria	12	2005	2.49900	28.8
## 190	Algeria	12	2007	2.66100	26.4
## 192	Algeria	12	2009	2.81800	24.3
## 194	Algeria	12	2011	2.90300	22.8

## 196	Algeria	12	2013	2.89300	22.1
## 198	Algeria	12	2015	2.80500	21.9
## 200	Angola	24	1951	7.26000	NA
## 202	Angola	24	1953	7.28000	NA
## 204	Angola	24	1955	7.30000	NA
## 206	Angola	24	1957	7.32000	NA
## 208	Angola	24	1959	7.34000	NA
## 210	Angola	24	1961	7.38800	NA
## 212	Angola	24	1963	7.40200	NA
## 214	Angola	24	1965	7.40800	NA
## 216	Angola	24	1967	7.40100	NA
## 218	Angola	24	1969	7.38500	NA
## 220	Angola	24	1971	7.36700	NA
## 222	Angola	24	1973	7.35500	NA
## 224	Angola	24	1975	7.35000	NA
## 226	Angola	24	1977	7.34700	NA
## 228	Angola	24	1979	7.33700	NA
## 230	Angola	24	1981	7.31900	137.5
## 232	Angola	24	1983	7.29900	136.0
## 234	Angola	24	1985	7.27900	134.9
## 236	Angola	24	1987	7.25600	134.1
## 238	Angola	24	1989	7.22600	133.6
## 240	Angola	24	1991	7.18700	133.5
## 242	Angola	24	1993	7.13900	133.4
## 244	Angola	24	1995	7.08300	132.8
## 246	Angola	24	1997	7.01700	131.5
## 248	Angola	24	1999	6.94300	129.5
## 250	Angola	24	2001	6.86600	126.9
## 252	Angola	24	2003	6.79200	124.1
## 254	Angola	24	2005	6.71600	121.2
## 256	Angola	24	2007	6.61900	117.1
## 258	Angola	24	2009	6.49200	112.2
## 260	Angola	24	2011	6.33500	106.8
## 262	Angola	24	2013	6.16500	101.4
## 264	Angola	24	2015	5.99600	96.0
## 266	Antigua and Barbuda	28	1951	4.50000	NA
## 268	Antigua and Barbuda	28	1953	4.50000	NA
## 270	Antigua and Barbuda	28	1955	4.50000	NA
## 272	Antigua and Barbuda	28	1957	4.50000	NA
## 274	Antigua and Barbuda	28	1959	4.50000	NA
## 276	Antigua and Barbuda	28	1961	4.38600	NA
## 278	Antigua and Barbuda	28	1963	4.29900	NA
## 280	Antigua and Barbuda	28	1965	4.19300	NA
## 282	Antigua and Barbuda	28	1967	4.04200	NA
## 284	Antigua and Barbuda	28	1969	3.82400	NA
## 286	Antigua and Barbuda	28	1971	3.51700	NA
## 288	Antigua and Barbuda	28	1973	3.12200	NA
## 290	Antigua and Barbuda	28	1975	2.70100	NA
## 292	Antigua and Barbuda	28	1977	2.35800	NA
## 294	Antigua and Barbuda	28	1979	2.15900	NA
## 296	Antigua and Barbuda	28	1981	2.09800	NA
## 298	Antigua and Barbuda	28	1983	2.09800	NA
## 300	Antigua and Barbuda	28	1985	2.09200	NA
## 302	Antigua and Barbuda	28	1987	2.07000	NA

## 304	Antigua and Barbuda	28	1989	2.05800	NA
## 306	Antigua and Barbuda	28	1991	2.07300	22.6
## 308	Antigua and Barbuda	28	1993	2.12800	20.3
## 310	Antigua and Barbuda	28	1995	2.20800	18.0
## 312	Antigua and Barbuda	28	1997	2.28100	16.2
## 314	Antigua and Barbuda	28	1999	2.31600	14.5
## 316	Antigua and Barbuda	28	2001	2.30500	13.0
## 318	Antigua and Barbuda	28	2003	2.26800	11.7
## 320	Antigua and Barbuda	28	2005	2.22400	10.4
## 322	Antigua and Barbuda	28	2007	2.18300	9.2
## 324	Antigua and Barbuda	28	2009	2.14600	8.2
## 326	Antigua and Barbuda	28	2011	2.11500	7.2
## 328	Antigua and Barbuda	28	2013	2.08800	6.4
## 330	Antigua and Barbuda	28	2015	2.06300	5.8
## 332	Argentina	32	1951	3.17600	NA
## 334	Argentina	32	1953	3.16500	NA
## 336	Argentina	32	1955	3.15400	NA
## 338	Argentina	32	1957	3.14300	NA
## 340	Argentina	32	1959	3.13200	NA
## 342	Argentina	32	1961	3.10000	NA
## 344	Argentina	32	1963	3.07800	NA
## 346	Argentina	32	1965	3.05800	NA
## 348	Argentina	32	1967	3.04800	NA
## 350	Argentina	32	1969	3.05600	60.0
## 352	Argentina	32	1971	3.10400	58.8
## 354	Argentina	32	1973	3.20300	56.8
## 356	Argentina	32	1975	3.32100	53.2
## 358	Argentina	32	1977	3.39100	47.2
## 360	Argentina	32	1979	3.36800	40.3
## 362	Argentina	32	1981	3.27000	34.7
## 364	Argentina	32	1983	3.16300	31.3
## 366	Argentina	32	1985	3.09300	29.0
## 368	Argentina	32	1987	3.05600	27.1
## 370	Argentina	32	1989	3.01600	25.3
## 372	Argentina	32	1991	2.95400	23.6
## 374	Argentina	32	1993	2.86600	22.1
## 376	Argentina	32	1995	2.76200	20.8
## 378	Argentina	32	1997	2.66400	19.6
## 380	Argentina	32	1999	2.58900	18.5
## 382	Argentina	32	2001	2.53700	17.6
## 384	Argentina	32	2003	2.49500	16.6
## 386	Argentina	32	2005	2.45200	15.3
## 388	Argentina	32	2007	2.41300	14.1
## 390	Argentina	32	2009	2.38200	13.4
## 392	Argentina	32	2011	2.35800	12.7
## 394	Argentina	32	2013	2.33500	11.9
## 396	Argentina	32	2015	2.30800	11.1
## 398	Armenia	51	1951	4.16920	NA
## 400	Armenia	51	1953	4.33160	NA
## 402	Armenia	51	1955	4.49400	NA
## 404	Armenia	51	1957	4.65640	NA
## 406	Armenia	51	1959	4.81880	NA
## 408	Armenia	51	1961	4.51200	NA
## 410	Armenia	51	1963	4.31700	NA

## 412	Armenia	51	1965	3.97900	NA
## 414	Armenia	51	1967	3.60600	NA
## 416	Armenia	51	1969	3.31400	NA
## 418	Armenia	51	1971	3.11800	NA
## 420	Armenia	51	1973	2.94200	NA
## 422	Armenia	51	1975	2.74500	NA
## 424	Armenia	51	1977	2.55500	68.3
## 426	Armenia	51	1979	2.42100	63.5
## 428	Armenia	51	1981	2.37300	59.2
## 430	Armenia	51	1983	2.40600	55.2
## 432	Armenia	51	1985	2.48100	51.4
## 434	Armenia	51	1987	2.54900	47.8
## 436	Armenia	51	1989	2.56500	44.3
## 438	Armenia	51	1991	2.48200	40.6
## 440	Armenia	51	1993	2.29500	37.0
## 442	Armenia	51	1995	2.05300	33.7
## 444	Armenia	51	1997	1.83800	30.6
## 446	Armenia	51	1999	1.71200	27.9
## 448	Armenia	51	2001	1.68700	25.3
## 450	Armenia	51	2003	1.71400	23.0
## 452	Armenia	51	2005	1.73700	20.8
## 454	Armenia	51	2007	1.72600	18.8
## 456	Armenia	51	2009	1.68000	17.0
## 458	Armenia	51	2011	1.61300	15.3
## 460	Armenia	51	2013	1.55300	13.8
## 462	Armenia	51	2015	1.51700	12.6
## 464	Aruba	533	1951	6.05000	NA
## 466	Aruba	533	1953	5.85000	NA
## 468	Aruba	533	1955	5.65000	NA
## 470	Aruba	533	1957	5.45000	NA
## 472	Aruba	533	1959	5.25000	NA
## 474	Aruba	533	1961	4.65500	NA
## 476	Aruba	533	1963	4.27100	NA
## 478	Aruba	533	1965	3.84200	NA
## 480	Aruba	533	1967	3.41700	NA
## 482	Aruba	533	1969	3.05400	NA
## 484	Aruba	533	1971	2.78800	NA
## 486	Aruba	533	1973	2.61300	NA
## 488	Aruba	533	1975	2.50600	NA
## 490	Aruba	533	1977	2.44600	NA
## 492	Aruba	533	1979	2.40800	NA
## 494	Aruba	533	1981	2.37700	NA
## 496	Aruba	533	1983	2.35300	NA
## 498	Aruba	533	1985	2.33200	NA
## 500	Aruba	533	1987	2.30700	NA
## 502	Aruba	533	1989	2.27200	NA
## 504	Aruba	533	1991	2.22100	NA
## 506	Aruba	533	1993	2.14900	NA
## 508	Aruba	533	1995	2.06400	NA
## 510	Aruba	533	1997	1.97900	NA
## 512	Aruba	533	1999	1.90500	NA
## 514	Aruba	533	2001	1.84800	NA
## 516	Aruba	533	2003	1.80500	NA
## 518	Aruba	533	2005	1.77000	NA

## 520	Aruba	533	2007	1.74100	NA
## 522	Aruba	533	2009	1.71600	NA
## 524	Aruba	533	2011	1.69200	NA
## 526	Aruba	533	2013	1.66900	NA
## 528	Aruba	533	2015	1.64700	NA
## 530	Australia	36	1951	2.99920	24.6
## 532	Australia	36	1953	3.08960	23.6
## 534	Australia	36	1955	3.18000	22.6
## 536	Australia	36	1957	3.27040	21.6
## 538	Australia	36	1959	3.36080	20.8
## 540	Australia	36	1961	3.54000	20.0
## 542	Australia	36	1963	3.33200	19.2
## 544	Australia	36	1965	2.97700	18.6
## 546	Australia	36	1967	2.84800	18.3
## 548	Australia	36	1969	2.88600	18.1
## 550	Australia	36	1971	2.96100	17.4
## 552	Australia	36	1973	2.49100	16.2
## 554	Australia	36	1975	2.14800	14.4
## 556	Australia	36	1977	2.00700	12.7
## 558	Australia	36	1979	1.90700	11.3
## 560	Australia	36	1981	1.93500	10.4
## 562	Australia	36	1983	1.92400	9.8
## 564	Australia	36	1985	1.92300	9.3
## 566	Australia	36	1987	1.84500	8.7
## 568	Australia	36	1989	1.83800	8.0
## 570	Australia	36	1991	1.84900	7.1
## 572	Australia	36	1993	1.85900	6.3
## 574	Australia	36	1995	1.82200	5.7
## 576	Australia	36	1997	1.77800	5.4
## 578	Australia	36	1999	1.75500	5.3
## 580	Australia	36	2001	1.73900	5.0
## 582	Australia	36	2003	1.74800	4.9
## 584	Australia	36	2005	1.80700	4.8
## 586	Australia	36	2007	1.95900	4.5
## 588	Australia	36	2009	1.97100	4.2
## 590	Australia	36	2011	1.92700	3.8
## 592	Australia	36	2013	1.85900	3.4
## 594	Australia	36	2015	1.83300	3.0
## 596	Austria	40	1951	1.73612	NA
## 598	Austria	40	1953	1.92036	NA
## 600	Austria	40	1955	2.10460	46.6
## 602	Austria	40	1957	2.28884	43.6
## 604	Austria	40	1959	2.47308	39.6
## 606	Austria	40	1961	2.78000	35.0
## 608	Austria	40	1963	2.82000	31.2
## 610	Austria	40	1965	2.70000	28.3
## 612	Austria	40	1967	2.62000	26.4
## 614	Austria	40	1969	2.49000	25.3
## 616	Austria	40	1971	2.20000	24.7
## 618	Austria	40	1973	1.94000	23.0
## 620	Austria	40	1975	1.83000	19.8
## 622	Austria	40	1977	1.63000	16.6
## 624	Austria	40	1979	1.60000	14.6
## 626	Austria	40	1981	1.67000	13.2



## 628	Austria	40	1983	1.56000	12.0
## 630	Austria	40	1985	1.47000	10.7
## 632	Austria	40	1987	1.43000	9.4
## 634	Austria	40	1989	1.45000	8.4
## 636	Austria	40	1991	1.51000	7.6
## 638	Austria	40	1993	1.50000	6.7
## 640	Austria	40	1995	1.42000	5.7
## 642	Austria	40	1997	1.39000	5.0
## 644	Austria	40	1999	1.34000	4.7
## 646	Austria	40	2001	1.33000	4.5
## 648	Austria	40	2003	1.38000	4.3
## 650	Austria	40	2005	1.41000	4.0
## 652	Austria	40	2007	1.38000	3.8
## 654	Austria	40	2009	1.39000	3.7
## 656	Austria	40	2011	1.43000	3.4
## 658	Austria	40	2013	1.44000	3.2
## 660	Austria	40	2015	1.47000	2.9
## 662	Azerbaijan	31	1951	4.88000	NA
## 664	Azerbaijan	31	1953	5.04000	NA
## 666	Azerbaijan	31	1955	5.20000	NA
## 668	Azerbaijan	31	1957	5.36000	NA
## 670	Azerbaijan	31	1959	5.52000	NA
## 672	Azerbaijan	31	1961	5.59600	NA
## 674	Azerbaijan	31	1963	5.54900	NA
## 676	Azerbaijan	31	1965	5.35200	NA
## 678	Azerbaijan	31	1967	5.05600	NA
## 680	Azerbaijan	31	1969	4.75300	NA
## 682	Azerbaijan	31	1971	4.47900	NA
## 684	Azerbaijan	31	1973	4.21600	NA
## 686	Azerbaijan	31	1975	3.95000	NA
## 688	Azerbaijan	31	1977	3.67600	NA
## 690	Azerbaijan	31	1979	3.40700	NA
## 692	Azerbaijan	31	1981	3.17900	NA
## 694	Azerbaijan	31	1983	3.02600	83.1
## 696	Azerbaijan	31	1985	2.91000	79.9
## 698	Azerbaijan	31	1987	2.90260	77.3
## 700	Azerbaijan	31	1989	2.80000	75.7
## 702	Azerbaijan	31	1991	2.87000	75.7
## 704	Azerbaijan	31	1993	2.70000	76.2
## 706	Azerbaijan	31	1995	2.29000	75.2
## 708	Azerbaijan	31	1997	2.07000	71.2
## 710	Azerbaijan	31	1999	2.07000	64.5
## 712	Azerbaijan	31	2001	1.80000	56.8
## 714	Azerbaijan	31	2003	1.90000	49.7
## 716	Azerbaijan	31	2005	2.00000	44.0
## 718	Azerbaijan	31	2007	1.97000	39.3
## 720	Azerbaijan	31	2009	1.82000	35.5
## 722	Azerbaijan	31	2011	1.96000	32.5
## 724	Azerbaijan	31	2013	1.98000	30.0
## 726	Azerbaijan	31	2015	1.97000	27.9
## 728	Bahamas, The	44	1951	3.84200	NA
## 730	Bahamas, The	44	1953	3.94600	NA
## 732	Bahamas, The	44	1955	4.05000	NA
## 734	Bahamas, The	44	1957	4.15400	NA

## 736	Bahamas, The	44	1959	4.25800	NA
## 738	Bahamas, The	44	1961	4.49600	NA
## 740	Bahamas, The	44	1963	4.35600	NA
## 742	Bahamas, The	44	1965	4.05700	NA
## 744	Bahamas, The	44	1967	3.75000	NA
## 746	Bahamas, The	44	1969	3.57100	25.5
## 748	Bahamas, The	44	1971	3.50400	26.4
## 750	Bahamas, The	44	1973	3.41100	27.2
## 752	Bahamas, The	44	1975	3.23400	27.2
## 754	Bahamas, The	44	1977	3.06200	26.6
## 756	Bahamas, The	44	1979	2.99000	25.7
## 758	Bahamas, The	44	1981	2.99400	24.8
## 760	Bahamas, The	44	1983	2.96500	24.0
## 762	Bahamas, The	44	1985	2.85700	23.4
## 764	Bahamas, The	44	1987	2.72800	22.2
## 766	Bahamas, The	44	1989	2.65400	20.6
## 768	Bahamas, The	44	1991	2.63100	18.8
## 770	Bahamas, The	44	1993	2.60100	17.2
## 772	Bahamas, The	44	1995	2.51400	15.6
## 774	Bahamas, The	44	1997	2.35700	14.1
## 776	Bahamas, The	44	1999	2.16500	13.2
## 778	Bahamas, The	44	2001	1.98900	12.9
## 780	Bahamas, The	44	2003	1.88000	12.7
## 782	Bahamas, The	44	2005	1.85300	12.6
## 784	Bahamas, The	44	2007	1.87700	12.2
## 786	Bahamas, The	44	2009	1.90100	11.7
## 788	Bahamas, The	44	2011	1.90000	11.1
## 790	Bahamas, The	44	2013	1.88300	10.5
## 792	Bahamas, The	44	2015	1.86100	9.9
## 794	Bahrain	48	1951	6.97000	NA
## 796	Bahrain	48	1953	6.97000	NA
## 798	Bahrain	48	1955	6.97000	NA
## 800	Bahrain	48	1957	6.97000	172.5
## 802	Bahrain	48	1959	6.97000	145.9
## 804	Bahrain	48	1961	7.13200	123.8
## 806	Bahrain	48	1963	7.19000	105.1
## 808	Bahrain	48	1965	7.16500	88.6
## 810	Bahrain	48	1967	6.99800	74.5
## 812	Bahrain	48	1969	6.69000	62.4
## 814	Bahrain	48	1971	6.29300	52.5
## 816	Bahrain	48	1973	5.89500	44.2
## 818	Bahrain	48	1975	5.55600	37.7
## 820	Bahrain	48	1977	5.28300	32.6
## 822	Bahrain	48	1979	5.03600	28.5
## 824	Bahrain	48	1981	4.80200	25.3
## 826	Bahrain	48	1983	4.58100	22.8
## 828	Bahrain	48	1985	4.36200	21.1
## 830	Bahrain	48	1987	4.12800	20.1
## 832	Bahrain	48	1989	3.87200	19.7
## 834	Bahrain	48	1991	3.60100	19.3
## 836	Bahrain	48	1993	3.33500	17.9
## 838	Bahrain	48	1995	3.10000	15.5
## 840	Bahrain	48	1997	2.92600	13.1
## 842	Bahrain	48	1999	2.81000	11.4

## 844	Bahrain	48	2001	2.71800	10.5
## 846	Bahrain	48	2003	2.60200	9.9
## 848	Bahrain	48	2005	2.44900	9.3
## 850	Bahrain	48	2007	2.29200	8.5
## 852	Bahrain	48	2009	2.17900	7.6
## 854	Bahrain	48	2011	2.11500	6.7
## 856	Bahrain	48	2013	2.07500	5.9
## 858	Bahrain	48	2015	2.03500	5.3
## 860	Bangladesh	50	1951	6.14820	NA
## 862	Bangladesh	50	1953	6.25360	216.6
## 864	Bangladesh	50	1955	6.35900	203.6
## 866	Bangladesh	50	1957	6.46440	191.8
## 868	Bangladesh	50	1959	6.56980	181.2
## 870	Bangladesh	50	1961	6.76100	171.7
## 872	Bangladesh	50	1963	6.82500	163.7
## 874	Bangladesh	50	1965	6.87800	157.4
## 876	Bangladesh	50	1967	6.92000	153.0
## 878	Bangladesh	50	1969	6.94500	150.4
## 880	Bangladesh	50	1971	6.94200	148.9
## 882	Bangladesh	50	1973	6.90400	147.4
## 884	Bangladesh	50	1975	6.82100	145.2
## 886	Bangladesh	50	1977	6.68100	141.4
## 888	Bangladesh	50	1979	6.48300	136.5
## 890	Bangladesh	50	1981	6.21700	130.8
## 892	Bangladesh	50	1983	5.88400	124.6
## 894	Bangladesh	50	1985	5.50100	117.9
## 896	Bangladesh	50	1987	5.09200	110.8
## 898	Bangladesh	50	1989	4.68600	103.4
## 900	Bangladesh	50	1991	4.31400	95.8
## 902	Bangladesh	50	1993	3.99000	88.3
## 904	Bangladesh	50	1995	3.71300	81.0
## 906	Bangladesh	50	1997	3.47900	74.0
## 908	Bangladesh	50	1999	3.26900	67.4
## 910	Bangladesh	50	2001	3.06900	61.4
## 912	Bangladesh	50	2003	2.87400	55.9
## 914	Bangladesh	50	2005	2.68700	50.8
## 916	Bangladesh	50	2007	2.52100	45.9
## 918	Bangladesh	50	2009	2.38700	41.3
## 920	Bangladesh	50	2011	2.28600	37.2
## 922	Bangladesh	50	2013	2.20900	33.5
## 924	Bangladesh	50	2015	2.14400	30.7
## 926	Barbados	52	1951	4.51308	NA
## 928	Barbados	52	1953	4.46504	NA
## 930	Barbados	52	1955	4.41700	119.1
## 932	Barbados	52	1957	4.36896	91.6
## 934	Barbados	52	1959	4.32092	75.1
## 936	Barbados	52	1961	4.31300	65.0
## 938	Barbados	52	1963	4.19600	57.6
## 940	Barbados	52	1965	3.96300	51.7
## 942	Barbados	52	1967	3.63700	47.1
## 944	Barbados	52	1969	3.28400	43.1
## 946	Barbados	52	1971	2.94900	39.2
## 948	Barbados	52	1973	2.64800	35.4
## 950	Barbados	52	1975	2.39300	31.8

## 952	Barbados	52	1977	2.19800	28.3
## 954	Barbados	52	1979	2.05700	25.2
## 956	Barbados	52	1981	1.96000	22.6
## 958	Barbados	52	1983	1.88900	20.8
## 960	Barbados	52	1985	1.83000	19.5
## 962	Barbados	52	1987	1.78200	18.1
## 964	Barbados	52	1989	1.75000	16.7
## 966	Barbados	52	1991	1.73300	15.4
## 968	Barbados	52	1993	1.72800	14.5
## 970	Barbados	52	1995	1.73000	14.0
## 972	Barbados	52	1997	1.73600	14.0
## 974	Barbados	52	1999	1.74200	14.5
## 976	Barbados	52	2001	1.74600	15.1
## 978	Barbados	52	2003	1.75200	15.3
## 980	Barbados	52	2005	1.75900	15.1
## 982	Barbados	52	2007	1.76800	14.5
## 984	Barbados	52	2009	1.77700	13.9
## 986	Barbados	52	2011	1.78500	13.3
## 988	Barbados	52	2013	1.79100	12.7
## 990	Barbados	52	2015	1.79600	12.0
## 992	Belarus	112	1951	2.51400	NA
## 994	Belarus	112	1953	2.56200	NA
## 996	Belarus	112	1955	2.61000	NA
## 998	Belarus	112	1957	2.65800	NA
## 1000	Belarus	112	1959	2.70600	NA
## 1002	Belarus	112	1961	2.59000	NA
## 1004	Belarus	112	1963	2.40000	NA
## 1006	Belarus	112	1965	2.27000	NA
## 1008	Belarus	112	1967	2.26000	NA
## 1010	Belarus	112	1969	2.26000	NA
## 1012	Belarus	112	1971	2.31000	NA
## 1014	Belarus	112	1973	2.25000	NA
## 1016	Belarus	112	1975	2.17000	NA
## 1018	Belarus	112	1977	2.08000	NA
## 1020	Belarus	112	1979	2.05000	NA
## 1022	Belarus	112	1981	2.02000	18.5
## 1024	Belarus	112	1983	2.11000	17.0
## 1026	Belarus	112	1985	2.09000	16.0
## 1028	Belarus	112	1987	2.03000	14.8
## 1030	Belarus	112	1989	2.02600	13.8
## 1032	Belarus	112	1991	1.80500	13.5
## 1034	Belarus	112	1993	1.62300	13.8
## 1036	Belarus	112	1995	1.40600	14.4
## 1038	Belarus	112	1997	1.25000	14.2
## 1040	Belarus	112	1999	1.31000	12.6
## 1042	Belarus	112	2001	1.28600	10.3
## 1044	Belarus	112	2003	1.23200	8.6
## 1046	Belarus	112	2005	1.25200	7.4
## 1048	Belarus	112	2007	1.42900	6.2
## 1050	Belarus	112	2009	1.50900	5.1
## 1052	Belarus	112	2011	1.51500	4.3
## 1054	Belarus	112	2013	1.66800	3.8
## 1056	Belarus	112	2015	1.72400	3.4
## 1058	Belgium	56	1951	2.26020	NA

## 1060	Belgium	56	1953	2.31260	44.9
## 1062	Belgium	56	1955	2.36500	39.8
## 1064	Belgium	56	1957	2.41740	35.0
## 1066	Belgium	56	1959	2.46980	31.0
## 1068	Belgium	56	1961	2.63000	28.1
## 1070	Belgium	56	1963	2.68000	26.0
## 1072	Belgium	56	1965	2.61000	24.1
## 1074	Belgium	56	1967	2.41000	22.5
## 1076	Belgium	56	1969	2.27000	21.3
## 1078	Belgium	56	1971	2.21000	19.7
## 1080	Belgium	56	1973	1.95000	17.7
## 1082	Belgium	56	1975	1.74000	15.8
## 1084	Belgium	56	1977	1.71000	14.1
## 1086	Belgium	56	1979	1.69000	12.8
## 1088	Belgium	56	1981	1.66000	11.7
## 1090	Belgium	56	1983	1.57000	10.7
## 1092	Belgium	56	1985	1.51000	9.9
## 1094	Belgium	56	1987	1.54000	9.2
## 1096	Belgium	56	1989	1.58000	8.6
## 1098	Belgium	56	1991	1.66000	8.0
## 1100	Belgium	56	1993	1.61000	7.2
## 1102	Belgium	56	1995	1.56000	6.3
## 1104	Belgium	56	1997	1.60000	5.5
## 1106	Belgium	56	1999	1.62000	4.9
## 1108	Belgium	56	2001	1.67000	4.6
## 1110	Belgium	56	2003	1.67000	4.2
## 1112	Belgium	56	2005	1.76000	4.1
## 1114	Belgium	56	2007	1.82000	3.9
## 1116	Belgium	56	2009	1.84000	3.7
## 1118	Belgium	56	2011	1.81000	3.5
## 1120	Belgium	56	2013	1.75000	3.4
## 1122	Belgium	56	2015	1.74000	3.3
## 1124	Belize	84	1951	6.73000	NA
## 1126	Belize	84	1953	6.69000	NA
## 1128	Belize	84	1955	6.65000	NA
## 1130	Belize	84	1957	6.61000	NA
## 1132	Belize	84	1959	6.57000	NA
## 1134	Belize	84	1961	6.48000	NA
## 1136	Belize	84	1963	6.44000	NA
## 1138	Belize	84	1965	6.40000	NA
## 1140	Belize	84	1967	6.35800	78.2
## 1142	Belize	84	1969	6.31600	72.8
## 1144	Belize	84	1971	6.28800	67.9
## 1146	Belize	84	1973	6.28500	63.2
## 1148	Belize	84	1975	6.27800	59.2
## 1150	Belize	84	1977	6.19500	55.6
## 1152	Belize	84	1979	5.99200	52.2
## 1154	Belize	84	1981	5.68400	49.0
## 1156	Belize	84	1983	5.33600	45.6
## 1158	Belize	84	1985	5.01900	41.9
## 1160	Belize	84	1987	4.77100	37.9
## 1162	Belize	84	1989	4.58400	34.0
## 1164	Belize	84	1991	4.43600	30.4
## 1166	Belize	84	1993	4.28600	27.4

## 1168	Belize	84	1995	4.10900	25.1
## 1170	Belize	84	1997	3.90800	23.3
## 1172	Belize	84	1999	3.70300	21.8
## 1174	Belize	84	2001	3.49600	20.5
## 1176	Belize	84	2003	3.28200	19.4
## 1178	Belize	84	2005	3.07200	18.5
## 1180	Belize	84	2007	2.89300	17.6
## 1182	Belize	84	2009	2.76200	16.7
## 1184	Belize	84	2011	2.67600	15.9
## 1186	Belize	84	2013	2.61100	15.1
## 1188	Belize	84	2015	2.54600	14.2
## 1190	Benin	204	1951	5.63532	206.5
## 1192	Benin	204	1953	5.74616	202.7
## 1194	Benin	204	1955	5.85700	198.7
## 1196	Benin	204	1957	5.96784	194.6
## 1198	Benin	204	1959	6.07868	189.7
## 1200	Benin	204	1961	6.33900	183.9
## 1202	Benin	204	1963	6.44700	177.1
## 1204	Benin	204	1965	6.54400	170.2
## 1206	Benin	204	1967	6.63000	164.0
## 1208	Benin	204	1969	6.71000	159.2
## 1210	Benin	204	1971	6.78600	154.9
## 1212	Benin	204	1973	6.86000	149.8
## 1214	Benin	204	1975	6.92900	143.5
## 1216	Benin	204	1977	6.98400	136.7
## 1218	Benin	204	1979	7.01800	130.9
## 1220	Benin	204	1981	7.02500	126.6
## 1222	Benin	204	1983	7.01000	122.8
## 1224	Benin	204	1985	6.97200	118.9
## 1226	Benin	204	1987	6.90400	114.8
## 1228	Benin	204	1989	6.80500	110.4
## 1230	Benin	204	1991	6.67700	105.6
## 1232	Benin	204	1993	6.52600	100.9
## 1234	Benin	204	1995	6.36500	97.2
## 1236	Benin	204	1997	6.20500	94.2
## 1238	Benin	204	1999	6.05100	91.1
## 1240	Benin	204	2001	5.89800	87.4
## 1242	Benin	204	2003	5.73300	83.0
## 1244	Benin	204	2005	5.55300	78.8
## 1246	Benin	204	2007	5.36500	75.2
## 1248	Benin	204	2009	5.18200	72.3
## 1250	Benin	204	2011	5.00900	69.8
## 1252	Benin	204	2013	4.84600	67.2
## 1254	Benin	204	2015	4.68800	64.2
## 1256	Bhutan	64	1951	6.67000	NA
## 1258	Bhutan	64	1953	6.67000	NA
## 1260	Bhutan	64	1955	6.67000	NA
## 1262	Bhutan	64	1957	6.67000	NA
## 1264	Bhutan	64	1959	6.67000	NA
## 1266	Bhutan	64	1961	6.67000	NA
## 1268	Bhutan	64	1963	6.67000	NA
## 1270	Bhutan	64	1965	6.67000	NA
## 1272	Bhutan	64	1967	6.67000	NA
## 1274	Bhutan	64	1969	6.67000	186.0

## 1276	Bhutan	64	1971	6.67400	176.2
## 1278	Bhutan	64	1973	6.68500	166.4
## 1280	Bhutan	64	1975	6.69200	157.1
## 1282	Bhutan	64	1977	6.66800	147.8
## 1284	Bhutan	64	1979	6.60100	138.8
## 1286	Bhutan	64	1981	6.50400	130.0
## 1288	Bhutan	64	1983	6.41000	121.1
## 1290	Bhutan	64	1985	6.30600	112.9
## 1292	Bhutan	64	1987	6.12700	104.9
## 1294	Bhutan	64	1989	5.82900	97.1
## 1296	Bhutan	64	1991	5.43100	89.6
## 1298	Bhutan	64	1993	5.00300	82.4
## 1300	Bhutan	64	1995	4.59700	75.3
## 1302	Bhutan	64	1997	4.20300	68.4
## 1304	Bhutan	64	1999	3.80100	62.0
## 1306	Bhutan	64	2001	3.41700	56.1
## 1308	Bhutan	64	2003	3.09500	50.6
## 1310	Bhutan	64	2005	2.84400	45.3
## 1312	Bhutan	64	2007	2.63600	40.4
## 1314	Bhutan	64	2009	2.43100	36.1
## 1316	Bhutan	64	2011	2.23600	32.3
## 1318	Bhutan	64	2013	2.08200	29.5
## 1320	Bhutan	64	2015	1.98400	27.2
## 1322	Bolivia	68	1951	6.98440	NA
## 1324	Bolivia	68	1953	6.93720	NA
## 1326	Bolivia	68	1955	6.89000	NA
## 1328	Bolivia	68	1957	6.84280	NA
## 1330	Bolivia	68	1959	6.79560	NA
## 1332	Bolivia	68	1961	6.66800	170.5
## 1334	Bolivia	68	1963	6.59700	165.0
## 1336	Bolivia	68	1965	6.51900	159.4
## 1338	Bolivia	68	1967	6.43200	153.6
## 1340	Bolivia	68	1969	6.33500	147.5
## 1342	Bolivia	68	1971	6.23300	141.3
## 1344	Bolivia	68	1973	6.13200	134.7
## 1346	Bolivia	68	1975	6.02900	127.9
## 1348	Bolivia	68	1977	5.91700	121.3
## 1350	Bolivia	68	1979	5.78700	115.1
## 1352	Bolivia	68	1981	5.63700	109.7
## 1354	Bolivia	68	1983	5.47200	104.7
## 1356	Bolivia	68	1985	5.30000	99.5
## 1358	Bolivia	68	1987	5.13200	94.0
## 1360	Bolivia	68	1989	4.97100	88.4
## 1362	Bolivia	68	1991	4.81700	82.9
## 1364	Bolivia	68	1993	4.66400	77.5
## 1366	Bolivia	68	1995	4.50300	72.2
## 1368	Bolivia	68	1997	4.33100	66.8
## 1370	Bolivia	68	1999	4.14800	61.4
## 1372	Bolivia	68	2001	3.96000	56.2
## 1374	Bolivia	68	2003	3.77300	51.2
## 1376	Bolivia	68	2005	3.59500	46.6
## 1378	Bolivia	68	2007	3.42700	42.2
## 1380	Bolivia	68	2009	3.27100	38.4
## 1382	Bolivia	68	2011	3.13300	35.3

## 1384	Bolivia	68	2013	3.01700	32.8
## 1386	Bolivia	68	2015	2.92300	30.6
## 1388	Bosnia and Herzegovina	70	1951	5.50000	NA
## 1390	Bosnia and Herzegovina	70	1953	5.16000	NA
## 1392	Bosnia and Herzegovina	70	1955	4.82000	NA
## 1394	Bosnia and Herzegovina	70	1957	4.48000	NA
## 1396	Bosnia and Herzegovina	70	1959	4.14000	NA
## 1398	Bosnia and Herzegovina	70	1961	3.72000	NA
## 1400	Bosnia and Herzegovina	70	1963	3.59900	NA
## 1402	Bosnia and Herzegovina	70	1965	3.42200	NA
## 1404	Bosnia and Herzegovina	70	1967	3.21400	NA
## 1406	Bosnia and Herzegovina	70	1969	3.02300	NA
## 1408	Bosnia and Herzegovina	70	1971	2.84500	NA
## 1410	Bosnia and Herzegovina	70	1973	2.64800	NA
## 1412	Bosnia and Herzegovina	70	1975	2.43600	NA
## 1414	Bosnia and Herzegovina	70	1977	2.25900	NA
## 1416	Bosnia and Herzegovina	70	1979	2.15600	NA
## 1418	Bosnia and Herzegovina	70	1981	2.11500	NA
## 1420	Bosnia and Herzegovina	70	1983	2.08600	NA
## 1422	Bosnia and Herzegovina	70	1985	2.02700	24.1
## 1424	Bosnia and Herzegovina	70	1987	1.93100	20.4
## 1426	Bosnia and Herzegovina	70	1989	1.82000	17.4
## 1428	Bosnia and Herzegovina	70	1991	1.72400	15.1
## 1430	Bosnia and Herzegovina	70	1993	1.67100	14.2
## 1432	Bosnia and Herzegovina	70	1995	1.64800	12.3
## 1434	Bosnia and Herzegovina	70	1997	1.59800	10.1
## 1436	Bosnia and Herzegovina	70	1999	1.48600	8.6
## 1438	Bosnia and Herzegovina	70	2001	1.34200	7.5
## 1440	Bosnia and Herzegovina	70	2003	1.24200	7.0
## 1442	Bosnia and Herzegovina	70	2005	1.22000	7.1
## 1444	Bosnia and Herzegovina	70	2007	1.25300	7.1
## 1446	Bosnia and Herzegovina	70	2009	1.28300	6.7
## 1448	Bosnia and Herzegovina	70	2011	1.28600	6.2
## 1450	Bosnia and Herzegovina	70	2013	1.27200	5.6
## 1452	Bosnia and Herzegovina	70	2015	1.25300	5.1
## 1454	Botswana	72	1951	6.44000	NA
## 1456	Botswana	72	1953	6.47000	NA
## 1458	Botswana	72	1955	6.50000	134.5
## 1460	Botswana	72	1957	6.53000	126.4
## 1462	Botswana	72	1959	6.56000	119.0
## 1464	Botswana	72	1961	6.63200	112.2
## 1466	Botswana	72	1963	6.66600	105.8
## 1468	Botswana	72	1965	6.69300	99.8
## 1470	Botswana	72	1967	6.69600	94.1
## 1472	Botswana	72	1969	6.66700	88.3
## 1474	Botswana	72	1971	6.61100	82.2
## 1476	Botswana	72	1973	6.54600	75.9
## 1478	Botswana	72	1975	6.47700	69.5
## 1480	Botswana	72	1977	6.39900	63.2
## 1482	Botswana	72	1979	6.29100	57.4
## 1484	Botswana	72	1981	6.12500	52.3
## 1486	Botswana	72	1983	5.88000	47.9
## 1488	Botswana	72	1985	5.56700	44.4
## 1490	Botswana	72	1987	5.21400	42.0



## 1492	Botswana	72	1989	4.86300	41.3
## 1494	Botswana	72	1991	4.54200	42.9
## 1496	Botswana	72	1993	4.25200	45.7
## 1498	Botswana	72	1995	3.98900	48.9
## 1500	Botswana	72	1997	3.74600	51.3
## 1502	Botswana	72	1999	3.51900	53.1
## 1504	Botswana	72	2001	3.31200	51.4
## 1506	Botswana	72	2003	3.13400	49.8
## 1508	Botswana	72	2005	2.99800	44.8
## 1510	Botswana	72	2007	2.92100	45.5
## 1512	Botswana	72	2009	2.89500	42.3
## 1514	Botswana	72	2011	2.89000	39.9
## 1516	Botswana	72	2013	2.86400	36.4
## 1518	Botswana	72	2015	2.79900	34.8
## 1520	Brazil	76	1951	6.14000	NA
## 1522	Brazil	76	1953	6.12000	NA
## 1524	Brazil	76	1955	6.10000	147.4
## 1526	Brazil	76	1957	6.08000	140.1
## 1528	Brazil	76	1959	6.06000	132.8
## 1530	Brazil	76	1961	6.19000	126.1
## 1532	Brazil	76	1963	6.06300	119.9
## 1534	Brazil	76	1965	5.81500	114.5
## 1536	Brazil	76	1967	5.49100	109.8
## 1538	Brazil	76	1969	5.16800	105.0
## 1540	Brazil	76	1971	4.89600	100.0
## 1542	Brazil	76	1973	4.67900	94.9
## 1544	Brazil	76	1975	4.49900	89.8
## 1546	Brazil	76	1977	4.33900	84.7
## 1548	Brazil	76	1979	4.16900	79.0
## 1550	Brazil	76	1981	3.96600	72.7
## 1552	Brazil	76	1983	3.72100	66.7
## 1554	Brazil	76	1985	3.44900	61.4
## 1556	Brazil	76	1987	3.17000	56.8
## 1558	Brazil	76	1989	2.91700	52.8
## 1560	Brazil	76	1991	2.71700	48.9
## 1562	Brazil	76	1993	2.58300	44.6
## 1564	Brazil	76	1995	2.50200	39.7
## 1566	Brazil	76	1997	2.45100	34.8
## 1568	Brazil	76	1999	2.39900	30.2
## 1570	Brazil	76	2001	2.31800	26.1
## 1572	Brazil	76	2003	2.20200	22.5
## 1574	Brazil	76	2005	2.06600	19.5
## 1576	Brazil	76	2007	1.94400	17.1
## 1578	Brazil	76	2009	1.86300	15.4
## 1580	Brazil	76	2011	1.82300	14.4
## 1582	Brazil	76	2013	1.80100	14.3
## 1584	Brazil	76	2015	1.77800	14.6
## 1586	Brunei Darussalam	96	1951	6.89948	NA
## 1588	Brunei Darussalam	96	1953	6.89764	NA
## 1590	Brunei Darussalam	96	1955	6.89580	NA
## 1592	Brunei Darussalam	96	1957	6.89396	NA
## 1594	Brunei Darussalam	96	1959	6.89212	NA
## 1596	Brunei Darussalam	96	1961	6.48700	NA
## 1598	Brunei Darussalam	96	1963	6.36000	NA

## 1600	Brunei Darussalam	96	1965	6.06800	NA
## 1602	Brunei Darussalam	96	1967	5.80400	NA
## 1604	Brunei Darussalam	96	1969	5.73100	NA
## 1606	Brunei Darussalam	96	1971	5.77100	NA
## 1608	Brunei Darussalam	96	1973	5.68700	NA
## 1610	Brunei Darussalam	96	1975	5.36500	NA
## 1612	Brunei Darussalam	96	1977	4.88400	NA
## 1614	Brunei Darussalam	96	1979	4.42900	NA
## 1616	Brunei Darussalam	96	1981	4.10300	NA
## 1618	Brunei Darussalam	96	1983	3.90600	12.1
## 1620	Brunei Darussalam	96	1985	3.79400	11.2
## 1622	Brunei Darussalam	96	1987	3.71500	10.3
## 1624	Brunei Darussalam	96	1989	3.60800	9.7
## 1626	Brunei Darussalam	96	1991	3.43800	9.2
## 1628	Brunei Darussalam	96	1993	3.20900	8.8
## 1630	Brunei Darussalam	96	1995	2.94600	8.3
## 1632	Brunei Darussalam	96	1997	2.66400	7.9
## 1634	Brunei Darussalam	96	1999	2.39500	7.6
## 1636	Brunei Darussalam	96	2001	2.18100	7.5
## 1638	Brunei Darussalam	96	2003	2.04900	7.4
## 1640	Brunei Darussalam	96	2005	1.99400	7.3
## 1642	Brunei Darussalam	96	2007	1.98200	7.3
## 1644	Brunei Darussalam	96	2009	1.96800	7.5
## 1646	Brunei Darussalam	96	2011	1.93400	7.8
## 1648	Brunei Darussalam	96	2013	1.89300	8.3
## 1650	Brunei Darussalam	96	2015	1.85600	8.6
## 1652	Bulgaria	100	1951	2.71000	NA
## 1654	Bulgaria	100	1953	2.61820	NA
## 1656	Bulgaria	100	1955	2.52640	NA
## 1658	Bulgaria	100	1957	2.43460	NA
## 1660	Bulgaria	100	1959	2.34280	NA
## 1662	Bulgaria	100	1961	2.29000	NA
## 1664	Bulgaria	100	1963	2.21000	40.6
## 1666	Bulgaria	100	1965	2.09000	39.4
## 1668	Bulgaria	100	1967	2.02000	38.4
## 1670	Bulgaria	100	1969	2.27000	35.8
## 1672	Bulgaria	100	1971	2.10000	32.6
## 1674	Bulgaria	100	1973	2.15000	31.1
## 1676	Bulgaria	100	1975	2.23000	29.8
## 1678	Bulgaria	100	1977	2.21000	28.1
## 1680	Bulgaria	100	1979	2.16000	25.7
## 1682	Bulgaria	100	1981	2.00000	23.4
## 1684	Bulgaria	100	1983	2.01000	21.7
## 1686	Bulgaria	100	1985	1.97000	19.7
## 1688	Bulgaria	100	1987	1.96000	18.2
## 1690	Bulgaria	100	1989	1.90000	17.9
## 1692	Bulgaria	100	1991	1.66000	18.8
## 1694	Bulgaria	100	1993	1.46000	19.2
## 1696	Bulgaria	100	1995	1.23000	19.4
## 1698	Bulgaria	100	1997	1.09000	19.4
## 1700	Bulgaria	100	1999	1.23000	18.6
## 1702	Bulgaria	100	2001	1.21000	17.1
## 1704	Bulgaria	100	2003	1.26000	15.5
## 1706	Bulgaria	100	2005	1.37000	13.6

## 1708	Bulgaria	100	2007	1.49000	12.3
## 1710	Bulgaria	100	2009	1.66000	11.5
## 1712	Bulgaria	100	2011	1.51000	10.9
## 1714	Bulgaria	100	2013	1.48000	10.1
## 1716	Bulgaria	100	2015	1.53000	9.3
## 1718	Burkina Faso	854	1951	5.99190	178.4
## 1720	Burkina Faso	854	1953	6.04770	175.5
## 1722	Burkina Faso	854	1955	6.10350	171.9
## 1724	Burkina Faso	854	1957	6.15930	168.0
## 1726	Burkina Faso	854	1959	6.21510	163.3
## 1728	Burkina Faso	854	1961	6.31600	159.4
## 1730	Burkina Faso	854	1963	6.37700	155.8
## 1732	Burkina Faso	854	1965	6.45400	153.0
## 1734	Burkina Faso	854	1967	6.53000	150.9
## 1736	Burkina Faso	854	1969	6.59300	149.7
## 1738	Burkina Faso	854	1971	6.65700	148.5
## 1740	Burkina Faso	854	1973	6.74400	144.6
## 1742	Burkina Faso	854	1975	6.85900	136.6
## 1744	Burkina Faso	854	1977	6.98400	127.4
## 1746	Burkina Faso	854	1979	7.09000	120.2
## 1748	Burkina Faso	854	1981	7.15200	115.6
## 1750	Burkina Faso	854	1983	7.16700	112.4
## 1752	Burkina Faso	854	1985	7.14200	109.0
## 1754	Burkina Faso	854	1987	7.09200	105.3
## 1756	Burkina Faso	854	1989	7.03600	102.9
## 1758	Burkina Faso	854	1991	6.97900	102.3
## 1760	Burkina Faso	854	1993	6.91700	102.4
## 1762	Burkina Faso	854	1995	6.84400	101.4
## 1764	Burkina Faso	854	1997	6.75400	99.4
## 1766	Burkina Faso	854	1999	6.65000	97.3
## 1768	Burkina Faso	854	2001	6.53100	95.0
## 1770	Burkina Faso	854	2003	6.40300	91.4
## 1772	Burkina Faso	854	2005	6.26500	86.0
## 1774	Burkina Faso	854	2007	6.11600	79.2
## 1776	Burkina Faso	854	2009	5.95300	72.5
## 1778	Burkina Faso	854	2011	5.78000	67.3
## 1780	Burkina Faso	854	2013	5.60700	63.7
## 1782	Burkina Faso	854	2015	5.43700	60.9
## 1784	Burundi	108	1951	6.75620	NA
## 1786	Burundi	108	1953	6.77860	NA
## 1788	Burundi	108	1955	6.80100	NA
## 1790	Burundi	108	1957	6.82340	NA
## 1792	Burundi	108	1959	6.84580	NA
## 1794	Burundi	108	1961	6.99800	NA
## 1796	Burundi	108	1963	7.09200	NA
## 1798	Burundi	108	1965	7.17900	143.6
## 1800	Burundi	108	1967	7.24700	145.3
## 1802	Burundi	108	1969	7.29300	146.2
## 1804	Burundi	108	1971	7.32900	146.3
## 1806	Burundi	108	1973	7.37000	146.1
## 1808	Burundi	108	1975	7.41900	145.7
## 1810	Burundi	108	1977	7.45200	143.0
## 1812	Burundi	108	1979	7.45500	136.0
## 1814	Burundi	108	1981	7.44900	125.8

## 1816	Burundi	108	1983	7.46900	115.0
## 1818	Burundi	108	1985	7.52000	106.9
## 1820	Burundi	108	1987	7.56500	103.3
## 1822	Burundi	108	1989	7.56400	103.3
## 1824	Burundi	108	1991	7.50800	104.5
## 1826	Burundi	108	1993	7.41800	104.8
## 1828	Burundi	108	1995	7.31800	103.2
## 1830	Burundi	108	1997	7.21700	100.0
## 1832	Burundi	108	1999	7.11200	95.7
## 1834	Burundi	108	2001	7.00000	91.0
## 1836	Burundi	108	2003	6.87300	85.8
## 1838	Burundi	108	2005	6.72900	79.7
## 1840	Burundi	108	2007	6.56600	72.7
## 1842	Burundi	108	2009	6.39100	66.4
## 1844	Burundi	108	2011	6.21200	61.6
## 1846	Burundi	108	2013	6.03500	57.6
## 1848	Burundi	108	2015	5.86300	54.1
## 1850	Cabo Verde	132	1951	6.40814	NA
## 1852	Cabo Verde	132	1953	6.48722	NA
## 1854	Cabo Verde	132	1955	6.56630	NA
## 1856	Cabo Verde	132	1957	6.64538	NA
## 1858	Cabo Verde	132	1959	6.72446	NA
## 1860	Cabo Verde	132	1961	6.92200	NA
## 1862	Cabo Verde	132	1963	6.97600	NA
## 1864	Cabo Verde	132	1965	6.99300	NA
## 1866	Cabo Verde	132	1967	6.98200	NA
## 1868	Cabo Verde	132	1969	6.95400	121.4
## 1870	Cabo Verde	132	1971	6.91300	104.2
## 1872	Cabo Verde	132	1973	6.85500	89.6
## 1874	Cabo Verde	132	1975	6.77100	78.0
## 1876	Cabo Verde	132	1977	6.64500	69.5
## 1878	Cabo Verde	132	1979	6.47300	64.1
## 1880	Cabo Verde	132	1981	6.27400	61.6
## 1882	Cabo Verde	132	1983	6.07500	60.3
## 1884	Cabo Verde	132	1985	5.88300	58.0
## 1886	Cabo Verde	132	1987	5.68000	54.0
## 1888	Cabo Verde	132	1989	5.44100	49.7
## 1890	Cabo Verde	132	1991	5.16500	47.0
## 1892	Cabo Verde	132	1993	4.86600	45.8
## 1894	Cabo Verde	132	1995	4.55400	43.7
## 1896	Cabo Verde	132	1997	4.21600	38.8
## 1898	Cabo Verde	132	1999	3.85200	32.1
## 1900	Cabo Verde	132	2001	3.48400	26.7
## 1902	Cabo Verde	132	2003	3.14700	23.8
## 1904	Cabo Verde	132	2005	2.87000	23.2
## 1906	Cabo Verde	132	2007	2.66500	23.6
## 1908	Cabo Verde	132	2009	2.52000	23.6
## 1910	Cabo Verde	132	2011	2.41700	22.9
## 1912	Cabo Verde	132	2013	2.33900	21.9
## 1914	Cabo Verde	132	2015	2.26800	20.7
## 1916	Cambodia	116	1951	6.94700	NA
## 1918	Cambodia	116	1953	6.94700	NA
## 1920	Cambodia	116	1955	6.94700	NA
## 1922	Cambodia	116	1957	6.94700	NA

## 1924	Cambodia	116	1959	6.94700	NA
## 1926	Cambodia	116	1961	6.96400	NA
## 1928	Cambodia	116	1963	6.93700	NA
## 1930	Cambodia	116	1965	6.86800	NA
## 1932	Cambodia	116	1967	6.74500	NA
## 1934	Cambodia	116	1969	6.57400	NA
## 1936	Cambodia	116	1971	6.33200	NA
## 1938	Cambodia	116	1973	6.00400	NA
## 1940	Cambodia	116	1975	5.68100	178.2
## 1942	Cambodia	116	1977	5.55700	155.4
## 1944	Cambodia	116	1979	5.71400	130.0
## 1946	Cambodia	116	1981	6.04200	106.5
## 1948	Cambodia	116	1983	6.29600	92.3
## 1950	Cambodia	116	1985	6.31300	87.5
## 1952	Cambodia	116	1987	6.09700	86.0
## 1954	Cambodia	116	1989	5.77700	85.5
## 1956	Cambodia	116	1991	5.42100	85.5
## 1958	Cambodia	116	1993	5.05200	86.2
## 1960	Cambodia	116	1995	4.68500	87.6
## 1962	Cambodia	116	1997	4.32500	88.2
## 1964	Cambodia	116	1999	3.97100	84.5
## 1966	Cambodia	116	2001	3.65400	74.7
## 1968	Cambodia	116	2003	3.40600	62.3
## 1970	Cambodia	116	2005	3.22700	53.3
## 1972	Cambodia	116	2007	3.08600	46.5
## 1974	Cambodia	116	2009	2.94700	40.0
## 1976	Cambodia	116	2011	2.80400	33.6
## 1978	Cambodia	116	2013	2.68300	28.3
## 1980	Cambodia	116	2015	2.59500	24.6
## 1982	Cameroon	120	1951	5.45860	NA
## 1984	Cameroon	120	1953	5.47380	NA
## 1986	Cameroon	120	1955	5.48900	200.1
## 1988	Cameroon	120	1957	5.50420	184.6
## 1990	Cameroon	120	1959	5.51940	171.6
## 1992	Cameroon	120	1961	5.70500	163.3
## 1994	Cameroon	120	1963	5.82800	158.1
## 1996	Cameroon	120	1965	5.94900	152.2
## 1998	Cameroon	120	1967	6.05800	143.1
## 2000	Cameroon	120	1969	6.15900	131.5
## 2002	Cameroon	120	1971	6.24700	121.6
## 2004	Cameroon	120	1973	6.32200	116.0
## 2006	Cameroon	120	1975	6.39100	114.3
## 2008	Cameroon	120	1977	6.47000	113.9
## 2010	Cameroon	120	1979	6.56300	111.4
## 2012	Cameroon	120	1981	6.65100	106.3
## 2014	Cameroon	120	1983	6.70300	99.5
## 2016	Cameroon	120	1985	6.69700	92.4
## 2018	Cameroon	120	1987	6.62700	87.2
## 2020	Cameroon	120	1989	6.50800	85.2
## 2022	Cameroon	120	1991	6.35200	86.7
## 2024	Cameroon	120	1993	6.17300	89.9
## 2026	Cameroon	120	1995	5.98900	93.0
## 2028	Cameroon	120	1997	5.82300	94.7
## 2030	Cameroon	120	1999	5.68200	93.8

## 2032	Cameroon	120	2001	5.56700	89.3
## 2034	Cameroon	120	2003	5.46400	83.1
## 2036	Cameroon	120	2005	5.35800	77.8
## 2038	Cameroon	120	2007	5.23500	73.1
## 2040	Cameroon	120	2009	5.09300	68.8
## 2042	Cameroon	120	2011	4.93800	64.4
## 2044	Cameroon	120	2013	4.78100	60.4
## 2046	Cameroon	120	2015	4.63000	57.1
## 2048	Canada	124	1951	3.45540	39.2
## 2050	Canada	124	1953	3.55020	35.5
## 2052	Canada	124	1955	3.64500	32.6
## 2054	Canada	124	1957	3.73980	30.5
## 2056	Canada	124	1959	3.83460	28.7
## 2058	Canada	124	1961	3.75300	27.0
## 2060	Canada	124	1963	3.60700	25.1
## 2062	Canada	124	1965	3.11500	23.1
## 2064	Canada	124	1967	2.52800	21.2
## 2066	Canada	124	1969	2.33400	19.4
## 2068	Canada	124	1971	2.14100	17.7
## 2070	Canada	124	1973	1.89000	15.9
## 2072	Canada	124	1975	1.82400	14.2
## 2074	Canada	124	1977	1.78200	12.5
## 2076	Canada	124	1979	1.75400	11.0
## 2078	Canada	124	1981	1.70000	9.7
## 2080	Canada	124	1983	1.68000	8.7
## 2082	Canada	124	1985	1.67000	8.0
## 2084	Canada	124	1987	1.68000	7.5
## 2086	Canada	124	1989	1.77000	7.1
## 2088	Canada	124	1991	1.70000	6.6
## 2090	Canada	124	1993	1.70000	6.1
## 2092	Canada	124	1995	1.63900	5.7
## 2094	Canada	124	1997	1.55000	5.4
## 2096	Canada	124	1999	1.51000	5.3
## 2098	Canada	124	2001	1.50500	5.3
## 2100	Canada	124	2003	1.53000	5.2
## 2102	Canada	124	2005	1.54000	5.3
## 2104	Canada	124	2007	1.65890	5.1
## 2106	Canada	124	2009	1.66800	5.0
## 2108	Canada	124	2011	1.61000	4.7
## 2110	Canada	124	2013	1.58700	4.6
## 2112	Canada	124	2015	1.60000	4.3
## 2114	Central African Republic	140	1951	5.32880	NA
## 2116	Central African Republic	140	1953	5.42240	NA
## 2118	Central African Republic	140	1955	5.51600	NA
## 2120	Central African Republic	140	1957	5.60960	NA
## 2122	Central African Republic	140	1959	5.70320	NA
## 2124	Central African Republic	140	1961	5.86700	162.9
## 2126	Central African Republic	140	1963	5.91000	157.6
## 2128	Central African Republic	140	1965	5.93700	151.7
## 2130	Central African Republic	140	1967	5.95000	145.6
## 2132	Central African Republic	140	1969	5.95400	139.8
## 2134	Central African Republic	140	1971	5.95400	134.5
## 2136	Central African Republic	140	1973	5.95200	129.9
## 2138	Central African Republic	140	1975	5.95000	126.0

## 2140	Central African Republic	140	1977	5.95200	122.6
## 2142	Central African Republic	140	1979	5.95400	119.6
## 2144	Central African Republic	140	1981	5.95500	117.4
## 2146	Central African Republic	140	1983	5.95500	116.2
## 2148	Central African Republic	140	1985	5.94400	115.7
## 2150	Central African Republic	140	1987	5.90200	115.5
## 2152	Central African Republic	140	1989	5.82600	115.4
## 2154	Central African Republic	140	1991	5.73400	115.2
## 2156	Central African Republic	140	1993	5.65300	115.2
## 2158	Central African Republic	140	1995	5.59600	115.4
## 2160	Central African Republic	140	1997	5.55000	115.1
## 2162	Central African Republic	140	1999	5.48800	114.2
## 2164	Central African Republic	140	2001	5.39300	112.9
## 2166	Central African Republic	140	2003	5.25700	111.3
## 2168	Central African Republic	140	2005	5.08900	109.3
## 2170	Central African Republic	140	2007	4.90200	106.9
## 2172	Central African Republic	140	2009	4.71400	103.6
## 2174	Central African Republic	140	2011	4.53700	99.7
## 2176	Central African Republic	140	2013	4.36800	96.1
## 2178	Central African Republic	140	2015	4.20600	91.5
## 2180	Chad	148	1951	6.02000	NA
## 2182	Chad	148	1953	6.06000	NA
## 2184	Chad	148	1955	6.10000	NA
## 2186	Chad	148	1957	6.14000	NA
## 2188	Chad	148	1959	6.18000	NA
## 2190	Chad	148	1961	6.26800	NA
## 2192	Chad	148	1963	6.30100	NA
## 2194	Chad	148	1965	6.33700	NA
## 2196	Chad	148	1967	6.39300	NA
## 2198	Chad	148	1969	6.47700	NA
## 2200	Chad	148	1971	6.58200	NA
## 2202	Chad	148	1973	6.68800	131.2
## 2204	Chad	148	1975	6.78000	130.0
## 2206	Chad	148	1977	6.85700	128.8
## 2208	Chad	148	1979	6.92500	127.4
## 2210	Chad	148	1981	6.99000	125.7
## 2212	Chad	148	1983	7.05600	123.8
## 2214	Chad	148	1985	7.12400	121.5
## 2216	Chad	148	1987	7.19900	119.3
## 2218	Chad	148	1989	7.27600	117.0
## 2220	Chad	148	1991	7.34600	114.7
## 2222	Chad	148	1993	7.39900	112.6
## 2224	Chad	148	1995	7.42500	110.9
## 2226	Chad	148	1997	7.41900	109.1
## 2228	Chad	148	1999	7.38400	106.9
## 2230	Chad	148	2001	7.31500	104.6
## 2232	Chad	148	2003	7.21200	102.3
## 2234	Chad	148	2005	7.07400	100.4
## 2236	Chad	148	2007	6.90100	98.1
## 2238	Chad	148	2009	6.70100	95.1
## 2240	Chad	148	2011	6.48500	91.9
## 2242	Chad	148	2013	6.26400	88.4
## 2244	Chad	148	2015	6.05000	85.0
## 2246	Chile	152	1951	5.12986	NA

## 2248	Chile	152	1953	5.13798	NA
## 2250	Chile	152	1955	5.14610	NA
## 2252	Chile	152	1957	5.15422	NA
## 2254	Chile	152	1959	5.16234	136.4
## 2256	Chile	152	1961	5.06600	121.1
## 2258	Chile	152	1963	4.94000	111.9
## 2260	Chile	152	1965	4.76300	96.5
## 2262	Chile	152	1967	4.51400	79.0
## 2264	Chile	152	1969	4.19700	69.1
## 2266	Chile	152	1971	3.84200	66.7
## 2268	Chile	152	1973	3.49600	63.7
## 2270	Chile	152	1975	3.20100	55.3
## 2272	Chile	152	1977	2.97600	41.7
## 2274	Chile	152	1979	2.81000	31.4
## 2276	Chile	152	1981	2.70300	25.6
## 2278	Chile	152	1983	2.64900	20.8
## 2280	Chile	152	1985	2.62200	18.9
## 2282	Chile	152	1987	2.59300	18.4
## 2284	Chile	152	1989	2.53900	17.1
## 2286	Chile	152	1991	2.45600	14.8
## 2288	Chile	152	1993	2.35800	12.7
## 2290	Chile	152	1995	2.26500	11.0
## 2292	Chile	152	1997	2.18100	10.2
## 2294	Chile	152	1999	2.10700	9.6
## 2296	Chile	152	2001	2.04200	8.7
## 2298	Chile	152	2003	1.98600	8.0
## 2300	Chile	152	2005	1.93400	7.7
## 2302	Chile	152	2007	1.88700	7.6
## 2304	Chile	152	2009	1.84400	7.5
## 2306	Chile	152	2011	1.80600	7.5
## 2308	Chile	152	2013	1.77400	7.3
## 2310	Chile	152	2015	1.74900	7.0
## 2312	China	156	1951	6.52500	NA
## 2314	China	156	1953	6.27500	NA
## 2316	China	156	1955	6.02500	NA
## 2318	China	156	1957	5.77500	NA
## 2320	China	156	1959	5.52500	NA
## 2322	China	156	1961	5.90400	NA
## 2324	China	156	1963	6.20600	NA
## 2326	China	156	1965	6.38500	NA
## 2328	China	156	1967	6.31700	NA
## 2330	China	156	1969	5.98600	84.1
## 2332	China	156	1971	5.40300	76.8
## 2334	China	156	1973	4.64400	69.7
## 2336	China	156	1975	3.86100	62.6
## 2338	China	156	1977	3.20200	55.8
## 2340	China	156	1979	2.74700	50.2
## 2342	China	156	1981	2.54600	46.1
## 2344	China	156	1983	2.55600	43.4
## 2346	China	156	1985	2.65000	42.2
## 2348	China	156	1987	2.67600	42.0
## 2350	China	156	1989	2.55100	42.2
## 2352	China	156	1991	2.27600	41.8
## 2354	China	156	1993	1.95200	40.2



## 2356	China	156	1995	1.68400	37.7
## 2358	China	156	1997	1.52200	35.0
## 2360	China	156	1999	1.45300	31.9
## 2362	China	156	2001	1.45500	28.3
## 2364	China	156	2003	1.48600	24.2
## 2366	China	156	2005	1.51300	20.3
## 2368	China	156	2007	1.52600	17.2
## 2370	China	156	2009	1.53500	14.6
## 2372	China	156	2011	1.54400	12.5
## 2374	China	156	2013	1.55500	10.6
## 2376	China	156	2015	1.56900	9.2
## 2378	Colombia	170	1951	6.76000	NA
## 2380	Colombia	170	1953	6.76000	NA
## 2382	Colombia	170	1955	6.76000	NA
## 2384	Colombia	170	1957	6.76000	NA
## 2386	Colombia	170	1959	6.76000	91.0
## 2388	Colombia	170	1961	6.80100	87.6
## 2390	Colombia	170	1963	6.73600	84.3
## 2392	Colombia	170	1965	6.56700	80.9
## 2394	Colombia	170	1967	6.24600	77.1
## 2396	Colombia	170	1969	5.79700	72.7
## 2398	Colombia	170	1971	5.30000	68.1
## 2400	Colombia	170	1973	4.85700	63.5
## 2402	Colombia	170	1975	4.52300	58.4
## 2404	Colombia	170	1977	4.28400	52.8
## 2406	Colombia	170	1979	4.07100	47.2
## 2408	Colombia	170	1981	3.85500	42.0
## 2410	Colombia	170	1983	3.63400	37.6
## 2412	Colombia	170	1985	3.42000	34.1
## 2414	Colombia	170	1987	3.22700	31.5
## 2416	Colombia	170	1989	3.06500	29.7
## 2418	Colombia	170	1991	2.92700	28.2
## 2420	Colombia	170	1993	2.79400	26.6
## 2422	Colombia	170	1995	2.66000	25.0
## 2424	Colombia	170	1997	2.53500	23.4
## 2426	Colombia	170	1999	2.43200	21.9
## 2428	Colombia	170	2001	2.34900	20.6
## 2430	Colombia	170	2003	2.27400	19.4
## 2432	Colombia	170	2005	2.19700	18.4
## 2434	Colombia	170	2007	2.11800	17.3
## 2436	Colombia	170	2009	2.04400	16.4
## 2438	Colombia	170	2011	1.97800	15.4
## 2440	Colombia	170	2013	1.92200	14.5
## 2442	Colombia	170	2015	1.87500	13.6
## 2444	Comoros	174	1951	5.51920	NA
## 2446	Comoros	174	1953	5.75960	NA
## 2448	Comoros	174	1955	6.00000	NA
## 2450	Comoros	174	1957	6.24040	NA
## 2452	Comoros	174	1959	6.48080	NA
## 2454	Comoros	174	1961	6.84900	NA
## 2456	Comoros	174	1963	6.93900	NA
## 2458	Comoros	174	1965	7.00400	NA
## 2460	Comoros	174	1967	7.04400	NA
## 2462	Comoros	174	1969	7.06000	NA

## 2464	Comoros	174	1971	7.06000	148.1
## 2466	Comoros	174	1973	7.05500	142.2
## 2468	Comoros	174	1975	7.05200	136.2
## 2470	Comoros	174	1977	7.06100	129.6
## 2472	Comoros	174	1979	7.07500	122.5
## 2474	Comoros	174	1981	7.07200	115.4
## 2476	Comoros	174	1983	7.02600	108.4
## 2478	Comoros	174	1985	6.92100	101.8
## 2480	Comoros	174	1987	6.74900	95.8
## 2482	Comoros	174	1989	6.53100	90.4
## 2484	Comoros	174	1991	6.29100	85.4
## 2486	Comoros	174	1993	6.05300	80.6
## 2488	Comoros	174	1995	5.83500	76.9
## 2490	Comoros	174	1997	5.64200	74.5
## 2492	Comoros	174	1999	5.46600	73.1
## 2494	Comoros	174	2001	5.30700	72.5
## 2496	Comoros	174	2003	5.16700	72.2
## 2498	Comoros	174	2005	5.04200	70.5
## 2500	Comoros	174	2007	4.92700	67.9
## 2502	Comoros	174	2009	4.81300	64.6
## 2504	Comoros	174	2011	4.69300	61.3
## 2506	Comoros	174	2013	4.56000	58.2
## 2508	Comoros	174	2015	4.41800	55.1
## 2510	Congo, Dem. Rep.	180	1951	5.98000	NA
## 2512	Congo, Dem. Rep.	180	1953	5.98000	NA
## 2514	Congo, Dem. Rep.	180	1955	5.98000	NA
## 2516	Congo, Dem. Rep.	180	1957	5.98000	NA
## 2518	Congo, Dem. Rep.	180	1959	5.98000	NA
## 2520	Congo, Dem. Rep.	180	1961	6.01500	NA
## 2522	Congo, Dem. Rep.	180	1963	6.04800	NA
## 2524	Congo, Dem. Rep.	180	1965	6.08900	NA
## 2526	Congo, Dem. Rep.	180	1967	6.13500	NA
## 2528	Congo, Dem. Rep.	180	1969	6.18700	150.7
## 2530	Congo, Dem. Rep.	180	1971	6.24200	147.5
## 2532	Congo, Dem. Rep.	180	1973	6.30100	144.2
## 2534	Congo, Dem. Rep.	180	1975	6.36600	140.7
## 2536	Congo, Dem. Rep.	180	1977	6.44300	137.1
## 2538	Congo, Dem. Rep.	180	1979	6.53500	133.7
## 2540	Congo, Dem. Rep.	180	1981	6.63800	130.5
## 2542	Congo, Dem. Rep.	180	1983	6.75000	127.7
## 2544	Congo, Dem. Rep.	180	1985	6.85800	125.2
## 2546	Congo, Dem. Rep.	180	1987	6.95300	122.9
## 2548	Congo, Dem. Rep.	180	1989	7.02900	120.8
## 2550	Congo, Dem. Rep.	180	1991	7.08100	118.7
## 2552	Congo, Dem. Rep.	180	1993	7.11100	116.8
## 2554	Congo, Dem. Rep.	180	1995	7.12200	114.9
## 2556	Congo, Dem. Rep.	180	1997	7.11200	112.5
## 2558	Congo, Dem. Rep.	180	1999	7.07900	109.3
## 2560	Congo, Dem. Rep.	180	2001	7.01800	105.3
## 2562	Congo, Dem. Rep.	180	2003	6.92400	100.9
## 2564	Congo, Dem. Rep.	180	2005	6.79900	96.3
## 2566	Congo, Dem. Rep.	180	2007	6.64600	91.5
## 2568	Congo, Dem. Rep.	180	2009	6.47600	86.9
## 2570	Congo, Dem. Rep.	180	2011	6.29400	82.6

## 2572	Congo, Dem. Rep.	180	2013	6.10300	78.3
## 2574	Congo, Dem. Rep.	180	2015	5.90800	74.5
## 2576	Congo, Rep.	178	1951	5.60240	NA
## 2578	Congo, Rep.	178	1953	5.64320	NA
## 2580	Congo, Rep.	178	1955	5.68400	NA
## 2582	Congo, Rep.	178	1957	5.72480	NA
## 2584	Congo, Rep.	178	1959	5.76560	112.7
## 2586	Congo, Rep.	178	1961	5.92100	108.4
## 2588	Congo, Rep.	178	1963	6.00800	104.2
## 2590	Congo, Rep.	178	1965	6.09400	99.7
## 2592	Congo, Rep.	178	1967	6.17700	94.9
## 2594	Congo, Rep.	178	1969	6.25300	90.6
## 2596	Congo, Rep.	178	1971	6.31900	86.5
## 2598	Congo, Rep.	178	1973	6.36900	82.5
## 2600	Congo, Rep.	178	1975	6.38900	79.2
## 2602	Congo, Rep.	178	1977	6.36000	76.0
## 2604	Congo, Rep.	178	1979	6.27300	72.8
## 2606	Congo, Rep.	178	1981	6.13400	69.6
## 2608	Congo, Rep.	178	1983	5.95900	66.3
## 2610	Congo, Rep.	178	1985	5.77300	63.1
## 2612	Congo, Rep.	178	1987	5.59000	60.9
## 2614	Congo, Rep.	178	1989	5.42200	60.4
## 2616	Congo, Rep.	178	1991	5.28600	61.8
## 2618	Congo, Rep.	178	1993	5.19400	64.6
## 2620	Congo, Rep.	178	1995	5.14200	68.8
## 2622	Congo, Rep.	178	1997	5.12100	73.5
## 2624	Congo, Rep.	178	1999	5.11300	76.5
## 2626	Congo, Rep.	178	2001	5.10500	75.5
## 2628	Congo, Rep.	178	2003	5.09600	70.0
## 2630	Congo, Rep.	178	2005	5.08100	61.8
## 2632	Congo, Rep.	178	2007	5.06300	53.1
## 2634	Congo, Rep.	178	2009	5.03800	45.3
## 2636	Congo, Rep.	178	2011	4.99400	39.6
## 2638	Congo, Rep.	178	2013	4.91900	35.9
## 2640	Congo, Rep.	178	2015	4.81100	33.2
## 2642	Costa Rica	188	1951	5.58988	NA
## 2644	Costa Rica	188	1953	5.76804	NA
## 2646	Costa Rica	188	1955	5.94620	NA
## 2648	Costa Rica	188	1957	6.12436	NA
## 2650	Costa Rica	188	1959	6.30252	NA
## 2652	Costa Rica	188	1961	6.40500	NA
## 2654	Costa Rica	188	1963	6.20100	NA
## 2656	Costa Rica	188	1965	5.85300	68.8
## 2658	Costa Rica	188	1967	5.38300	64.6
## 2660	Costa Rica	188	1969	4.86100	62.7
## 2662	Costa Rica	188	1971	4.38500	57.8
## 2664	Costa Rica	188	1973	4.02600	47.0
## 2666	Costa Rica	188	1975	3.80500	38.0
## 2668	Costa Rica	188	1977	3.69500	28.1
## 2670	Costa Rica	188	1979	3.62200	21.3
## 2672	Costa Rica	188	1981	3.55200	19.3
## 2674	Costa Rica	188	1983	3.48200	19.1
## 2676	Costa Rica	188	1985	3.41100	18.2
## 2678	Costa Rica	188	1987	3.32800	16.3

## 2680	Costa Rica	188	1989	3.22900	14.8
## 2682	Costa Rica	188	1991	3.11000	14.0
## 2684	Costa Rica	188	1993	2.97300	13.5
## 2686	Costa Rica	188	1995	2.82100	13.0
## 2688	Costa Rica	188	1997	2.64900	12.7
## 2690	Costa Rica	188	1999	2.46300	11.8
## 2692	Costa Rica	188	2001	2.29000	10.5
## 2694	Costa Rica	188	2003	2.15500	9.5
## 2696	Costa Rica	188	2005	2.06500	9.0
## 2698	Costa Rica	188	2007	2.00600	8.9
## 2700	Costa Rica	188	2009	1.95100	8.9
## 2702	Costa Rica	188	2011	1.89300	8.8
## 2704	Costa Rica	188	2013	1.84100	8.7
## 2706	Costa Rica	188	2015	1.80000	8.5
## 2708	Cote d'Ivoire	384	1951	7.31682	NA
## 2710	Cote d'Ivoire	384	1953	7.38406	NA
## 2712	Cote d'Ivoire	384	1955	7.45130	NA
## 2714	Cote d'Ivoire	384	1957	7.51854	225.6
## 2716	Cote d'Ivoire	384	1959	7.58578	214.1
## 2718	Cote d'Ivoire	384	1961	7.42700	203.0
## 2720	Cote d'Ivoire	384	1963	7.57200	192.8
## 2722	Cote d'Ivoire	384	1965	7.70100	183.3
## 2724	Cote d'Ivoire	384	1967	7.80600	174.2
## 2726	Cote d'Ivoire	384	1969	7.88300	165.4
## 2728	Cote d'Ivoire	384	1971	7.92700	156.4
## 2730	Cote d'Ivoire	384	1973	7.94000	146.1
## 2732	Cote d'Ivoire	384	1975	7.91600	135.1
## 2734	Cote d'Ivoire	384	1977	7.83200	124.7
## 2736	Cote d'Ivoire	384	1979	7.68300	116.6
## 2738	Cote d'Ivoire	384	1981	7.48800	111.4
## 2740	Cote d'Ivoire	384	1983	7.27800	108.0
## 2742	Cote d'Ivoire	384	1985	7.07800	106.1
## 2744	Cote d'Ivoire	384	1987	6.89200	105.2
## 2746	Cote d'Ivoire	384	1989	6.71000	104.9
## 2748	Cote d'Ivoire	384	1991	6.53600	104.8
## 2750	Cote d'Ivoire	384	1993	6.37400	104.7
## 2752	Cote d'Ivoire	384	1995	6.22400	104.4
## 2754	Cote d'Ivoire	384	1997	6.08000	103.3
## 2756	Cote d'Ivoire	384	1999	5.93500	101.0
## 2758	Cote d'Ivoire	384	2001	5.78800	97.7
## 2760	Cote d'Ivoire	384	2003	5.64500	93.6
## 2762	Cote d'Ivoire	384	2005	5.51200	88.9
## 2764	Cote d'Ivoire	384	2007	5.39200	84.1
## 2766	Cote d'Ivoire	384	2009	5.28300	79.0
## 2768	Cote d'Ivoire	384	2011	5.17700	75.0
## 2770	Cote d'Ivoire	384	2013	5.06300	70.6
## 2772	Cote d'Ivoire	384	2015	4.93700	66.6
## 2774	Croatia	191	1951	3.01000	NA
## 2776	Croatia	191	1953	2.87000	NA
## 2778	Croatia	191	1955	2.73000	NA
## 2780	Croatia	191	1957	2.59000	NA
## 2782	Croatia	191	1959	2.45000	NA
## 2784	Croatia	191	1961	2.30200	NA
## 2786	Croatia	191	1963	2.24300	NA

## 2788	Croatia	191	1965	2.17700	NA
## 2790	Croatia	191	1967	2.10400	NA
## 2792	Croatia	191	1969	2.03500	NA
## 2794	Croatia	191	1971	1.98700	NA
## 2796	Croatia	191	1973	1.97200	NA
## 2798	Croatia	191	1975	1.98500	NA
## 2800	Croatia	191	1977	2.00500	NA
## 2802	Croatia	191	1979	2.01000	NA
## 2804	Croatia	191	1981	1.99300	19.2
## 2806	Croatia	191	1983	1.88000	17.5
## 2808	Croatia	191	1985	1.82000	15.7
## 2810	Croatia	191	1987	1.64000	13.8
## 2812	Croatia	191	1989	1.63000	11.9
## 2814	Croatia	191	1991	1.53000	10.5
## 2816	Croatia	191	1993	1.52000	9.5
## 2818	Croatia	191	1995	1.58000	8.7
## 2820	Croatia	191	1997	1.69000	8.0
## 2822	Croatia	191	1999	1.38000	7.4
## 2824	Croatia	191	2001	1.46000	6.9
## 2826	Croatia	191	2003	1.41000	6.3
## 2828	Croatia	191	2005	1.50000	5.8
## 2830	Croatia	191	2007	1.48000	5.3
## 2832	Croatia	191	2009	1.58000	4.8
## 2834	Croatia	191	2011	1.48000	4.3
## 2836	Croatia	191	2013	1.46000	4.0
## 2838	Croatia	191	2015	1.46000	3.6
## 2840	Cuba	192	1951	4.51040	NA
## 2842	Cuba	192	1953	4.33020	NA
## 2844	Cuba	192	1955	4.15000	NA
## 2846	Cuba	192	1957	3.96980	NA
## 2848	Cuba	192	1959	3.78960	NA
## 2850	Cuba	192	1961	4.36000	NA
## 2852	Cuba	192	1963	4.60600	41.8
## 2854	Cuba	192	1965	4.61700	39.5
## 2856	Cuba	192	1967	4.43300	39.3
## 2858	Cuba	192	1969	4.18000	39.0
## 2860	Cuba	192	1971	3.85700	34.5
## 2862	Cuba	192	1973	3.40000	27.8
## 2864	Cuba	192	1975	2.84400	24.7
## 2866	Cuba	192	1977	2.33200	20.8
## 2868	Cuba	192	1979	1.98700	17.4
## 2870	Cuba	192	1981	1.84300	16.5
## 2872	Cuba	192	1983	1.82500	16.1
## 2874	Cuba	192	1985	1.83700	15.0
## 2876	Cuba	192	1987	1.82600	13.3
## 2878	Cuba	192	1989	1.78200	11.4
## 2880	Cuba	192	1991	1.71400	9.8
## 2882	Cuba	192	1993	1.65700	8.8
## 2884	Cuba	192	1995	1.63400	8.4
## 2886	Cuba	192	1997	1.63500	7.8
## 2888	Cuba	192	1999	1.64100	6.9
## 2890	Cuba	192	2001	1.64100	6.1
## 2892	Cuba	192	2003	1.63900	5.6
## 2894	Cuba	192	2005	1.63700	5.1

## 2896	Cuba	192	2007	1.63600	4.8
## 2898	Cuba	192	2009	1.63600	4.7
## 2900	Cuba	192	2011	1.63200	4.8
## 2902	Cuba	192	2013	1.62200	4.4
## 2904	Cuba	192	2015	1.60600	4.0
## 2906	Curacao	531	1951	5.04600	NA
## 2908	Curacao	531	1953	5.05800	NA
## 2910	Curacao	531	1955	5.07000	NA
## 2912	Curacao	531	1957	5.08200	NA
## 2914	Curacao	531	1959	5.09400	NA
## 2916	Curacao	531	1961	4.95980	NA
## 2918	Curacao	531	1963	4.67940	NA
## 2920	Curacao	531	1965	4.39900	NA
## 2922	Curacao	531	1967	4.15940	NA
## 2924	Curacao	531	1969	3.91980	NA
## 2926	Curacao	531	1971	3.61400	NA
## 2928	Curacao	531	1973	3.24200	NA
## 2930	Curacao	531	1975	2.87000	NA
## 2932	Curacao	531	1977	2.70200	NA
## 2934	Curacao	531	1979	2.53400	NA
## 2936	Curacao	531	1981	2.41000	NA
## 2938	Curacao	531	1983	2.33000	NA
## 2940	Curacao	531	1985	2.25000	NA
## 2942	Curacao	531	1987	2.27000	NA
## 2944	Curacao	531	1989	2.29000	NA
## 2946	Curacao	531	1991	2.29600	NA
## 2948	Curacao	531	1993	2.28800	NA
## 2950	Curacao	531	1995	2.28000	NA
## 2952	Curacao	531	1997	2.21640	NA
## 2954	Curacao	531	1999	2.15280	NA
## 2956	Curacao	531	2001	2.11510	NA
## 2958	Curacao	531	2003	2.10330	NA
## 2960	Curacao	531	2005	2.09150	NA
## 2962	Curacao	531	2007	2.04658	NA
## 2964	Curacao	531	2009	2.00166	NA
## 2966	Curacao	531	2011	1.99646	NA
## 2968	Curacao	531	2013	2.03098	NA
## 2970	Curacao	531	2015	2.06550	NA
## 2972	Cyprus	196	1951	3.87060	NA
## 2974	Cyprus	196	1953	3.78780	NA
## 2976	Cyprus	196	1955	3.70500	NA
## 2978	Cyprus	196	1957	3.62220	NA
## 2980	Cyprus	196	1959	3.53940	NA
## 2982	Cyprus	196	1961	3.47100	NA
## 2984	Cyprus	196	1963	3.34600	NA
## 2986	Cyprus	196	1965	3.13300	NA
## 2988	Cyprus	196	1967	2.88900	NA
## 2990	Cyprus	196	1969	2.68600	NA
## 2992	Cyprus	196	1971	2.54700	NA
## 2994	Cyprus	196	1973	2.44000	NA
## 2996	Cyprus	196	1975	2.35200	NA
## 2998	Cyprus	196	1977	2.31000	NA
## 3000	Cyprus	196	1979	2.32800	21.0
## 3002	Cyprus	196	1981	2.38500	17.8

## 3004	Cyprus	196 1983	2.43800	14.8
## 3006	Cyprus	196 1985	2.45800	12.2
## 3008	Cyprus	196 1987	2.45000	10.7
## 3010	Cyprus	196 1989	2.43000	10.0
## 3012	Cyprus	196 1991	2.38100	9.7
## 3014	Cyprus	196 1993	2.27800	8.9
## 3016	Cyprus	196 1995	2.12400	7.8
## 3018	Cyprus	196 1997	1.94500	6.9
## 3020	Cyprus	196 1999	1.78100	5.9
## 3022	Cyprus	196 2001	1.65800	5.1
## 3024	Cyprus	196 2003	1.57700	4.4
## 3026	Cyprus	196 2005	1.52900	3.9
## 3028	Cyprus	196 2007	1.50400	3.5
## 3030	Cyprus	196 2009	1.48900	3.1
## 3032	Cyprus	196 2011	1.47300	2.9
## 3034	Cyprus	196 2013	1.45500	2.7
## 3036	Cyprus	196 2015	1.43800	2.5
## 3038	Czech Republic	203 1951	3.02774	NA
## 3040	Czech Republic	203 1953	2.88302	NA
## 3042	Czech Republic	203 1955	2.73830	NA
## 3044	Czech Republic	203 1957	2.59358	NA
## 3046	Czech Republic	203 1959	2.44886	NA
## 3048	Czech Republic	203 1961	2.11000	NA
## 3050	Czech Republic	203 1963	2.31000	NA
## 3052	Czech Republic	203 1965	2.18000	NA
## 3054	Czech Republic	203 1967	1.91000	NA
## 3056	Czech Republic	203 1969	1.87000	NA
## 3058	Czech Republic	203 1971	2.00000	NA
## 3060	Czech Republic	203 1973	2.31000	NA
## 3062	Czech Republic	203 1975	2.43000	NA
## 3064	Czech Republic	203 1977	2.34000	NA
## 3066	Czech Republic	203 1979	2.27000	NA
## 3068	Czech Republic	203 1981	2.00000	16.4
## 3070	Czech Republic	203 1983	1.97000	15.6
## 3072	Czech Republic	203 1985	1.95000	15.1
## 3074	Czech Republic	203 1987	1.91000	14.3
## 3076	Czech Republic	203 1989	1.87000	13.3
## 3078	Czech Republic	203 1991	1.86000	12.2
## 3080	Czech Republic	203 1993	1.67000	10.7
## 3082	Czech Republic	203 1995	1.28000	8.8
## 3084	Czech Republic	203 1997	1.17000	7.2
## 3086	Czech Republic	203 1999	1.13000	6.0
## 3088	Czech Republic	203 2001	1.15000	5.3
## 3090	Czech Republic	203 2003	1.18000	4.8
## 3092	Czech Republic	203 2005	1.29000	4.4
## 3094	Czech Republic	203 2007	1.45000	3.9
## 3096	Czech Republic	203 2009	1.51000	3.6
## 3098	Czech Republic	203 2011	1.43000	3.2
## 3100	Czech Republic	203 2013	1.46000	3.0
## 3102	Czech Republic	203 2015	1.53000	2.8
## 3104	Denmark	208 1951	2.55274	28.6
## 3106	Denmark	208 1953	2.55142	27.0
## 3108	Denmark	208 1955	2.55010	25.0
## 3110	Denmark	208 1957	2.54878	23.1

## 3112	Denmark	208	1959	2.54746	21.7
## 3114	Denmark	208	1961	2.55000	20.8
## 3116	Denmark	208	1963	2.67000	19.5
## 3118	Denmark	208	1965	2.61000	17.8
## 3120	Denmark	208	1967	2.35000	16.1
## 3122	Denmark	208	1969	2.00000	14.6
## 3124	Denmark	208	1971	2.04000	13.3
## 3126	Denmark	208	1973	1.92000	11.6
## 3128	Denmark	208	1975	1.92000	10.3
## 3130	Denmark	208	1977	1.66000	9.2
## 3132	Denmark	208	1979	1.60000	8.6
## 3134	Denmark	208	1981	1.44000	8.0
## 3136	Denmark	208	1983	1.38000	8.0
## 3138	Denmark	208	1985	1.45000	8.0
## 3140	Denmark	208	1987	1.50000	8.0
## 3142	Denmark	208	1989	1.62000	7.7
## 3144	Denmark	208	1991	1.68000	6.9
## 3146	Denmark	208	1993	1.75000	6.1
## 3148	Denmark	208	1995	1.80000	5.4
## 3150	Denmark	208	1997	1.75000	5.0
## 3152	Denmark	208	1999	1.73000	4.7
## 3154	Denmark	208	2001	1.74000	4.5
## 3156	Denmark	208	2003	1.76000	4.4
## 3158	Denmark	208	2005	1.80000	4.1
## 3160	Denmark	208	2007	1.84000	3.7
## 3162	Denmark	208	2009	1.84000	3.5
## 3164	Denmark	208	2011	1.75000	3.2
## 3166	Denmark	208	2013	1.67000	3.1
## 3168	Denmark	208	2015	1.69000	2.9
## 3170	Djibouti	262	1951	6.25168	NA
## 3172	Djibouti	262	1953	6.28184	NA
## 3174	Djibouti	262	1955	6.31200	NA
## 3176	Djibouti	262	1957	6.34216	NA
## 3178	Djibouti	262	1959	6.37232	NA
## 3180	Djibouti	262	1961	6.49300	NA
## 3182	Djibouti	262	1963	6.56100	NA
## 3184	Djibouti	262	1965	6.62900	NA
## 3186	Djibouti	262	1967	6.70200	NA
## 3188	Djibouti	262	1969	6.77400	NA
## 3190	Djibouti	262	1971	6.82600	NA
## 3192	Djibouti	262	1973	6.83400	NA
## 3194	Djibouti	262	1975	6.78400	NA
## 3196	Djibouti	262	1977	6.67100	127.6
## 3198	Djibouti	262	1979	6.52000	121.1
## 3200	Djibouti	262	1981	6.37300	115.2
## 3202	Djibouti	262	1983	6.27100	109.4
## 3204	Djibouti	262	1985	6.21800	103.8
## 3206	Djibouti	262	1987	6.19300	98.9
## 3208	Djibouti	262	1989	6.14200	94.5
## 3210	Djibouti	262	1991	6.00000	91.0
## 3212	Djibouti	262	1993	5.72700	88.3
## 3214	Djibouti	262	1995	5.35200	86.2
## 3216	Djibouti	262	1997	4.95300	83.9
## 3218	Djibouti	262	1999	4.61100	81.2



## 3220	Djibouti	262	2001	4.35300	78.1
## 3222	Djibouti	262	2003	4.14000	74.6
## 3224	Djibouti	262	2005	3.93800	71.1
## 3226	Djibouti	262	2007	3.74400	67.5
## 3228	Djibouti	262	2009	3.56700	63.9
## 3230	Djibouti	262	2011	3.40600	60.5
## 3232	Djibouti	262	2013	3.26200	57.4
## 3234	Djibouti	262	2015	3.13100	54.2
## 3236	Dominican Republic	214	1951	7.56670	106.9
## 3238	Dominican Republic	214	1953	7.58310	106.3
## 3240	Dominican Republic	214	1955	7.59950	105.6
## 3242	Dominican Republic	214	1957	7.61590	104.5
## 3244	Dominican Republic	214	1959	7.63230	103.1
## 3246	Dominican Republic	214	1961	7.48700	101.0
## 3248	Dominican Republic	214	1963	7.30300	98.1
## 3250	Dominican Republic	214	1965	7.05300	94.6
## 3252	Dominican Republic	214	1967	6.73800	91.1
## 3254	Dominican Republic	214	1969	6.37500	87.5
## 3256	Dominican Republic	214	1971	5.98300	83.7
## 3258	Dominican Republic	214	1973	5.58000	79.4
## 3260	Dominican Republic	214	1975	5.19300	74.9
## 3262	Dominican Republic	214	1977	4.84700	70.3
## 3264	Dominican Republic	214	1979	4.55200	66.1
## 3266	Dominican Republic	214	1981	4.30300	62.0
## 3268	Dominican Republic	214	1983	4.08200	58.2
## 3270	Dominican Republic	214	1985	3.87800	54.6
## 3272	Dominican Republic	214	1987	3.69400	51.3
## 3274	Dominican Republic	214	1989	3.53700	48.1
## 3276	Dominican Republic	214	1991	3.39700	44.9
## 3278	Dominican Republic	214	1993	3.26200	41.8
## 3280	Dominican Republic	214	1995	3.13000	38.9
## 3282	Dominican Republic	214	1997	3.01400	36.4
## 3284	Dominican Republic	214	1999	2.92600	34.2
## 3286	Dominican Republic	214	2001	2.86200	32.5
## 3288	Dominican Republic	214	2003	2.80700	31.2
## 3290	Dominican Republic	214	2005	2.74900	30.1
## 3292	Dominican Republic	214	2007	2.68700	29.1
## 3294	Dominican Republic	214	2009	2.62700	28.3
## 3296	Dominican Republic	214	2011	2.56800	27.5
## 3298	Dominican Republic	214	2013	2.51000	26.7
## 3300	Dominican Republic	214	2015	2.45100	25.7
## 3302	Ecuador	218	1951	6.75000	NA
## 3304	Ecuador	218	1953	6.75000	NA
## 3306	Ecuador	218	1955	6.75000	139.3
## 3308	Ecuador	218	1957	6.75000	131.8
## 3310	Ecuador	218	1959	6.75000	124.7
## 3312	Ecuador	218	1961	6.70000	118.2
## 3314	Ecuador	218	1963	6.64600	112.3
## 3316	Ecuador	218	1965	6.56400	107.0
## 3318	Ecuador	218	1967	6.43600	102.4
## 3320	Ecuador	218	1969	6.25200	98.2
## 3322	Ecuador	218	1971	6.01100	93.7
## 3324	Ecuador	218	1973	5.72700	88.4
## 3326	Ecuador	218	1975	5.42600	82.5

## 3328	Ecuador	218	1977	5.12900	76.5
## 3330	Ecuador	218	1979	4.85300	70.9
## 3332	Ecuador	218	1981	4.61100	65.3
## 3334	Ecuador	218	1983	4.40100	59.7
## 3336	Ecuador	218	1985	4.21300	54.6
## 3338	Ecuador	218	1987	4.03400	50.1
## 3340	Ecuador	218	1989	3.85600	46.1
## 3342	Ecuador	218	1991	3.67900	42.3
## 3344	Ecuador	218	1993	3.51400	38.7
## 3346	Ecuador	218	1995	3.36400	35.2
## 3348	Ecuador	218	1997	3.22500	32.1
## 3350	Ecuador	218	1999	3.09000	29.5
## 3352	Ecuador	218	2001	2.96800	27.4
## 3354	Ecuador	218	2003	2.86800	25.7
## 3356	Ecuador	218	2005	2.79300	24.3
## 3358	Ecuador	218	2007	2.73600	23.1
## 3360	Ecuador	218	2009	2.68400	21.9
## 3362	Ecuador	218	2011	2.62800	20.7
## 3364	Ecuador	218	2013	2.57100	19.5
## 3366	Ecuador	218	2015	2.51300	18.4
## 3368	Egypt, Arab Rep.	818	1951	6.75000	NA
## 3370	Egypt, Arab Rep.	818	1953	6.75000	NA
## 3372	Egypt, Arab Rep.	818	1955	6.75000	243.4
## 3374	Egypt, Arab Rep.	818	1957	6.75000	229.7
## 3376	Egypt, Arab Rep.	818	1959	6.75000	216.2
## 3378	Egypt, Arab Rep.	818	1961	6.60500	202.7
## 3380	Egypt, Arab Rep.	818	1963	6.52600	189.4
## 3382	Egypt, Arab Rep.	818	1965	6.40500	178.1
## 3384	Egypt, Arab Rep.	818	1967	6.23500	169.9
## 3386	Egypt, Arab Rep.	818	1969	6.03300	164.3
## 3388	Egypt, Arab Rep.	818	1971	5.83900	159.6
## 3390	Egypt, Arab Rep.	818	1973	5.69800	153.2
## 3392	Egypt, Arab Rep.	818	1975	5.62100	143.7
## 3394	Egypt, Arab Rep.	818	1977	5.59600	132.1
## 3396	Egypt, Arab Rep.	818	1979	5.57900	120.0
## 3398	Egypt, Arab Rep.	818	1981	5.54600	108.5
## 3400	Egypt, Arab Rep.	818	1983	5.49200	96.3
## 3402	Egypt, Arab Rep.	818	1985	5.39000	83.9
## 3404	Egypt, Arab Rep.	818	1987	5.18200	73.5
## 3406	Egypt, Arab Rep.	818	1989	4.85900	66.0
## 3408	Egypt, Arab Rep.	818	1991	4.45500	60.3
## 3410	Egypt, Arab Rep.	818	1993	4.04800	55.0
## 3412	Egypt, Arab Rep.	818	1995	3.70500	49.4
## 3414	Egypt, Arab Rep.	818	1997	3.45900	44.0
## 3416	Egypt, Arab Rep.	818	1999	3.29300	39.1
## 3418	Egypt, Arab Rep.	818	2001	3.18100	35.1
## 3420	Egypt, Arab Rep.	818	2003	3.08800	31.9
## 3422	Egypt, Arab Rep.	818	2005	3.01600	29.2
## 3424	Egypt, Arab Rep.	818	2007	3.01600	27.1
## 3426	Egypt, Arab Rep.	818	2009	3.11400	25.1
## 3428	Egypt, Arab Rep.	818	2011	3.25300	23.4
## 3430	Egypt, Arab Rep.	818	2013	3.33600	21.8
## 3432	Egypt, Arab Rep.	818	2015	3.31400	20.3
## 3434	El Salvador	222	1951	6.17304	NA

## 3436	El Salvador	222	1953	6.26732	NA
## 3438	El Salvador	222	1955	6.36160	139.6
## 3440	El Salvador	222	1957	6.45588	134.1
## 3442	El Salvador	222	1959	6.55016	128.8
## 3444	El Salvador	222	1961	6.67900	123.9
## 3446	El Salvador	222	1963	6.64500	119.4
## 3448	El Salvador	222	1965	6.55200	115.5
## 3450	El Salvador	222	1967	6.41600	111.8
## 3452	El Salvador	222	1969	6.25700	108.4
## 3454	El Salvador	222	1971	6.08800	104.9
## 3456	El Salvador	222	1973	5.90600	100.8
## 3458	El Salvador	222	1975	5.70400	95.6
## 3460	El Salvador	222	1977	5.47600	89.6
## 3462	El Salvador	222	1979	5.22100	82.6
## 3464	El Salvador	222	1981	4.95200	74.8
## 3466	El Salvador	222	1983	4.68800	66.9
## 3468	El Salvador	222	1985	4.44200	59.5
## 3470	El Salvador	222	1987	4.22100	53.3
## 3472	El Salvador	222	1989	4.01800	48.2
## 3474	El Salvador	222	1991	3.82700	43.8
## 3476	El Salvador	222	1993	3.64100	39.7
## 3478	El Salvador	222	1995	3.44900	35.6
## 3480	El Salvador	222	1997	3.23900	31.8
## 3482	El Salvador	222	1999	3.01300	28.4
## 3484	El Salvador	222	2001	2.78500	25.5
## 3486	El Salvador	222	2003	2.57500	23.1
## 3488	El Salvador	222	2005	2.39800	20.9
## 3490	El Salvador	222	2007	2.25300	19.2
## 3492	El Salvador	222	2009	2.13000	17.7
## 3494	El Salvador	222	2011	2.03100	16.5
## 3496	El Salvador	222	2013	1.95800	15.4
## 3498	El Salvador	222	2015	1.90900	14.4
## 3500	Equatorial Guinea	226	1951	5.67672	NA
## 3502	Equatorial Guinea	226	1953	5.67136	NA
## 3504	Equatorial Guinea	226	1955	5.66600	NA
## 3506	Equatorial Guinea	226	1957	5.66064	NA
## 3508	Equatorial Guinea	226	1959	5.65528	NA
## 3510	Equatorial Guinea	226	1961	5.51500	NA
## 3512	Equatorial Guinea	226	1963	5.54800	NA
## 3514	Equatorial Guinea	226	1965	5.59500	NA
## 3516	Equatorial Guinea	226	1967	5.64000	NA
## 3518	Equatorial Guinea	226	1969	5.67100	NA
## 3520	Equatorial Guinea	226	1971	5.68100	NA
## 3522	Equatorial Guinea	226	1973	5.67700	NA
## 3524	Equatorial Guinea	226	1975	5.67400	NA
## 3526	Equatorial Guinea	226	1977	5.68200	NA
## 3528	Equatorial Guinea	226	1979	5.70800	NA
## 3530	Equatorial Guinea	226	1981	5.75100	NA
## 3532	Equatorial Guinea	226	1983	5.80200	145.4
## 3534	Equatorial Guinea	226	1985	5.84800	140.1
## 3536	Equatorial Guinea	226	1987	5.88100	135.3
## 3538	Equatorial Guinea	226	1989	5.89700	130.4
## 3540	Equatorial Guinea	226	1991	5.90100	125.5
## 3542	Equatorial Guinea	226	1993	5.90200	120.8

## 3544	Equatorial Guinea	226	1995	5.89700	116.5
## 3546	Equatorial Guinea	226	1997	5.87200	112.1
## 3548	Equatorial Guinea	226	1999	5.81400	107.3
## 3550	Equatorial Guinea	226	2001	5.72600	102.3
## 3552	Equatorial Guinea	226	2003	5.62300	97.1
## 3554	Equatorial Guinea	226	2005	5.51200	91.7
## 3556	Equatorial Guinea	226	2007	5.39100	86.3
## 3558	Equatorial Guinea	226	2009	5.25300	81.2
## 3560	Equatorial Guinea	226	2011	5.09500	76.6
## 3562	Equatorial Guinea	226	2013	4.92400	72.2
## 3564	Equatorial Guinea	226	2015	4.74500	68.2
## 3566	Eritrea	232	1951	6.96500	NA
## 3568	Eritrea	232	1953	6.96500	NA
## 3570	Eritrea	232	1955	6.96500	NA
## 3572	Eritrea	232	1957	6.96500	NA
## 3574	Eritrea	232	1959	6.96500	NA
## 3576	Eritrea	232	1961	6.86800	NA
## 3578	Eritrea	232	1963	6.80600	NA
## 3580	Eritrea	232	1965	6.75200	NA
## 3582	Eritrea	232	1967	6.70600	NA
## 3584	Eritrea	232	1969	6.66700	NA
## 3586	Eritrea	232	1971	6.63600	NA
## 3588	Eritrea	232	1973	6.61500	NA
## 3590	Eritrea	232	1975	6.60900	123.9
## 3592	Eritrea	232	1977	6.62500	119.5
## 3594	Eritrea	232	1979	6.65800	115.8
## 3596	Eritrea	232	1981	6.68600	112.7
## 3598	Eritrea	232	1983	6.68300	109.5
## 3600	Eritrea	232	1985	6.63600	106.0
## 3602	Eritrea	232	1987	6.55200	101.6
## 3604	Eritrea	232	1989	6.44800	96.2
## 3606	Eritrea	232	1991	6.31600	89.5
## 3608	Eritrea	232	1993	6.13700	81.9
## 3610	Eritrea	232	1995	5.91400	74.2
## 3612	Eritrea	232	1997	5.67000	67.2
## 3614	Eritrea	232	1999	5.43400	61.1
## 3616	Eritrea	232	2001	5.23300	55.8
## 3618	Eritrea	232	2003	5.07300	51.2
## 3620	Eritrea	232	2005	4.94200	47.2
## 3622	Eritrea	232	2007	4.81800	43.7
## 3624	Eritrea	232	2009	4.68100	40.7
## 3626	Eritrea	232	2011	4.52500	38.2
## 3628	Eritrea	232	2013	4.36300	36.0
## 3630	Eritrea	232	2015	4.20700	34.1
## 3632	Estonia	233	1951	2.11600	NA
## 3634	Estonia	233	1953	2.08800	NA
## 3636	Estonia	233	1955	2.06000	NA
## 3638	Estonia	233	1957	2.03200	NA
## 3640	Estonia	233	1959	2.00400	NA
## 3642	Estonia	233	1961	1.98000	NA
## 3644	Estonia	233	1963	1.89000	NA
## 3646	Estonia	233	1965	1.88000	NA
## 3648	Estonia	233	1967	1.90000	NA
## 3650	Estonia	233	1969	2.13000	NA

## 3652	Estonia	233	1971	2.19000	NA
## 3654	Estonia	233	1973	2.06000	NA
## 3656	Estonia	233	1975	2.04000	NA
## 3658	Estonia	233	1977	2.06000	NA
## 3660	Estonia	233	1979	2.00000	NA
## 3662	Estonia	233	1981	2.07000	21.6
## 3664	Estonia	233	1983	2.16000	20.2
## 3666	Estonia	233	1985	2.13000	19.0
## 3668	Estonia	233	1987	2.27000	18.0
## 3670	Estonia	233	1989	2.22000	17.1
## 3672	Estonia	233	1991	1.80000	15.9
## 3674	Estonia	233	1993	1.49000	14.5
## 3676	Estonia	233	1995	1.38000	12.8
## 3678	Estonia	233	1997	1.32000	11.1
## 3680	Estonia	233	1999	1.30000	9.6
## 3682	Estonia	233	2001	1.32000	8.2
## 3684	Estonia	233	2003	1.37000	6.9
## 3686	Estonia	233	2005	1.52000	5.8
## 3688	Estonia	233	2007	1.69000	4.8
## 3690	Estonia	233	2009	1.70000	4.0
## 3692	Estonia	233	2011	1.61000	3.2
## 3694	Estonia	233	2013	1.52000	2.7
## 3696	Estonia	233	2015	1.54000	2.3
## 3698	Ethiopia	231	1951	7.38344	NA
## 3700	Ethiopia	231	1953	7.27652	NA
## 3702	Ethiopia	231	1955	7.16960	NA
## 3704	Ethiopia	231	1957	7.06268	NA
## 3706	Ethiopia	231	1959	6.95576	NA
## 3708	Ethiopia	231	1961	6.87700	NA
## 3710	Ethiopia	231	1963	6.87200	NA
## 3712	Ethiopia	231	1965	6.86400	NA
## 3714	Ethiopia	231	1967	6.88000	142.7
## 3716	Ethiopia	231	1969	6.93700	142.5
## 3718	Ethiopia	231	1971	7.02000	142.5
## 3720	Ethiopia	231	1973	7.09400	142.4
## 3722	Ethiopia	231	1975	7.14300	142.7
## 3724	Ethiopia	231	1977	7.19500	143.4
## 3726	Ethiopia	231	1979	7.27100	143.5
## 3728	Ethiopia	231	1981	7.36000	141.4
## 3730	Ethiopia	231	1983	7.42400	137.1
## 3732	Ethiopia	231	1985	7.43500	132.0
## 3734	Ethiopia	231	1987	7.38700	127.6
## 3736	Ethiopia	231	1989	7.29800	123.7
## 3738	Ethiopia	231	1991	7.19300	119.2
## 3740	Ethiopia	231	1993	7.09400	113.1
## 3742	Ethiopia	231	1995	6.99500	105.6
## 3744	Ethiopia	231	1997	6.86100	98.7
## 3746	Ethiopia	231	1999	6.65900	92.6
## 3748	Ethiopia	231	2001	6.38000	86.2
## 3750	Ethiopia	231	2003	6.04600	78.4
## 3752	Ethiopia	231	2005	5.69300	69.6
## 3754	Ethiopia	231	2007	5.35300	61.0
## 3756	Ethiopia	231	2009	5.04400	53.6
## 3758	Ethiopia	231	2011	4.77000	48.3

## 3760	Ethiopia	231	2013	4.51700	44.5
## 3762	Ethiopia	231	2015	4.27500	41.4
## 3764	Fiji	242	1951	6.49140	88.4
## 3766	Fiji	242	1953	6.55820	77.5
## 3768	Fiji	242	1955	6.62500	68.6
## 3770	Fiji	242	1957	6.69180	61.6
## 3772	Fiji	242	1959	6.75860	56.2
## 3774	Fiji	242	1961	6.28100	52.1
## 3776	Fiji	242	1963	5.88100	48.8
## 3778	Fiji	242	1965	5.47500	46.3
## 3780	Fiji	242	1967	5.08300	44.5
## 3782	Fiji	242	1969	4.71000	43.5
## 3784	Fiji	242	1971	4.39700	42.9
## 3786	Fiji	242	1973	4.17800	42.4
## 3788	Fiji	242	1975	4.05400	41.4
## 3790	Fiji	242	1977	3.99200	39.5
## 3792	Fiji	242	1979	3.94100	36.8
## 3794	Fiji	242	1981	3.86400	33.8
## 3796	Fiji	242	1983	3.75500	31.2
## 3798	Fiji	242	1985	3.62900	29.1
## 3800	Fiji	242	1987	3.51200	27.3
## 3802	Fiji	242	1989	3.42700	25.6
## 3804	Fiji	242	1991	3.37400	24.1
## 3806	Fiji	242	1993	3.33000	22.9
## 3808	Fiji	242	1995	3.27600	22.1
## 3810	Fiji	242	1997	3.20900	21.5
## 3812	Fiji	242	1999	3.13200	21.0
## 3814	Fiji	242	2001	3.04600	20.5
## 3816	Fiji	242	2003	2.95400	20.1
## 3818	Fiji	242	2005	2.86000	20.1
## 3820	Fiji	242	2007	2.77400	20.3
## 3822	Fiji	242	2009	2.70100	20.3
## 3824	Fiji	242	2011	2.64100	20.1
## 3826	Fiji	242	2013	2.58900	19.7
## 3828	Fiji	242	2015	2.54000	19.1
## 3830	Finland	246	1951	3.17940	34.2
## 3832	Finland	246	1953	3.08820	31.7
## 3834	Finland	246	1955	2.99700	29.1
## 3836	Finland	246	1957	2.90580	26.4
## 3838	Finland	246	1959	2.81460	23.4
## 3840	Finland	246	1961	2.72000	20.6
## 3842	Finland	246	1963	2.68000	18.4
## 3844	Finland	246	1965	2.48000	16.6
## 3846	Finland	246	1967	2.32000	15.1
## 3848	Finland	246	1969	1.93000	13.9
## 3850	Finland	246	1971	1.68000	12.6
## 3852	Finland	246	1973	1.49000	11.3
## 3854	Finland	246	1975	1.68000	10.0
## 3856	Finland	246	1977	1.68000	8.7
## 3858	Finland	246	1979	1.64000	7.6
## 3860	Finland	246	1981	1.64000	6.7
## 3862	Finland	246	1983	1.74000	6.3
## 3864	Finland	246	1985	1.64000	6.0
## 3866	Finland	246	1987	1.59000	5.9

## 3868	Finland	246	1989	1.71000	5.7
## 3870	Finland	246	1991	1.79000	5.3
## 3872	Finland	246	1993	1.81000	4.8
## 3874	Finland	246	1995	1.81000	4.3
## 3876	Finland	246	1997	1.75000	3.9
## 3878	Finland	246	1999	1.73000	3.6
## 3880	Finland	246	2001	1.73000	3.4
## 3882	Finland	246	2003	1.76000	3.3
## 3884	Finland	246	2005	1.80000	3.1
## 3886	Finland	246	2007	1.83000	2.9
## 3888	Finland	246	2009	1.86000	2.6
## 3890	Finland	246	2011	1.83000	2.4
## 3892	Finland	246	2013	1.75000	2.1
## 3894	Finland	246	2015	1.71000	1.9
## 3896	France	250	1951	2.79344	44.5
## 3898	France	250	1953	2.77032	38.5
## 3900	France	250	1955	2.74720	33.4
## 3902	France	250	1957	2.72408	28.9
## 3904	France	250	1959	2.70096	25.2
## 3906	France	250	1961	2.87000	22.4
## 3908	France	250	1963	2.89000	20.3
## 3910	France	250	1965	2.84000	18.5
## 3912	France	250	1967	2.75000	17.1
## 3914	France	250	1969	2.62000	15.8
## 3916	France	250	1971	2.47000	14.4
## 3918	France	250	1973	2.28000	13.1
## 3920	France	250	1975	2.09000	12.4
## 3922	France	250	1977	1.94000	11.5
## 3924	France	250	1979	1.87000	10.6
## 3926	France	250	1981	1.85000	9.8
## 3928	France	250	1983	1.86000	9.1
## 3930	France	250	1985	1.86000	8.5
## 3932	France	250	1987	1.83000	8.1
## 3934	France	250	1989	1.79000	7.7
## 3936	France	250	1991	1.75000	7.1
## 3938	France	250	1993	1.73000	6.3
## 3940	France	250	1995	1.74000	5.3
## 3942	France	250	1997	1.77000	4.8
## 3944	France	250	1999	1.81000	4.5
## 3946	France	250	2001	1.90000	4.4
## 3948	France	250	2003	1.89000	4.0
## 3950	France	250	2005	1.94000	3.8
## 3952	France	250	2007	1.98000	3.6
## 3954	France	250	2009	2.00000	3.5
## 3956	France	250	2011	2.01000	3.5
## 3958	France	250	2013	1.99000	3.6
## 3960	France	250	2015	2.01000	3.5
## 3962	French Polynesia	258	1951	6.11120	NA
## 3964	French Polynesia	258	1953	6.05560	NA
## 3966	French Polynesia	258	1955	6.00000	NA
## 3968	French Polynesia	258	1957	5.94440	NA
## 3970	French Polynesia	258	1959	5.88880	NA
## 3972	French Polynesia	258	1961	5.57700	NA
## 3974	French Polynesia	258	1963	5.43000	NA

## 3976	French Polynesia	258	1965	5.31400	NA
## 3978	French Polynesia	258	1967	5.22200	NA
## 3980	French Polynesia	258	1969	5.12000	NA
## 3982	French Polynesia	258	1971	4.98000	NA
## 3984	French Polynesia	258	1973	4.78500	NA
## 3986	French Polynesia	258	1975	4.54800	NA
## 3988	French Polynesia	258	1977	4.30100	NA
## 3990	French Polynesia	258	1979	4.08000	NA
## 3992	French Polynesia	258	1981	3.91600	NA
## 3994	French Polynesia	258	1983	3.81200	NA
## 3996	French Polynesia	258	1985	3.73800	NA
## 3998	French Polynesia	258	1987	3.64500	NA
## 4000	French Polynesia	258	1989	3.49700	NA
## 4002	French Polynesia	258	1991	3.29100	NA
## 4004	French Polynesia	258	1993	3.05900	NA
## 4006	French Polynesia	258	1995	2.84100	NA
## 4008	French Polynesia	258	1997	2.66000	NA
## 4010	French Polynesia	258	1999	2.52000	NA
## 4012	French Polynesia	258	2001	2.41400	NA
## 4014	French Polynesia	258	2003	2.32900	NA
## 4016	French Polynesia	258	2005	2.25100	NA
## 4018	French Polynesia	258	2007	2.18400	NA
## 4020	French Polynesia	258	2009	2.13100	NA
## 4022	French Polynesia	258	2011	2.09200	NA
## 4024	French Polynesia	258	2013	2.05900	NA
## 4026	French Polynesia	258	2015	2.02700	NA
## 4028	Gabon	266	1951	3.81580	NA
## 4030	Gabon	266	1953	3.90140	NA
## 4032	Gabon	266	1955	3.98700	NA
## 4034	Gabon	266	1957	4.07260	NA
## 4036	Gabon	266	1959	4.15820	NA
## 4038	Gabon	266	1961	4.46200	NA
## 4040	Gabon	266	1963	4.61900	NA
## 4042	Gabon	266	1965	4.76600	NA
## 4044	Gabon	266	1967	4.89900	NA
## 4046	Gabon	266	1969	5.02100	NA
## 4048	Gabon	266	1971	5.14300	NA
## 4050	Gabon	266	1973	5.27500	NA
## 4052	Gabon	266	1975	5.41200	NA
## 4054	Gabon	266	1977	5.54300	NA
## 4056	Gabon	266	1979	5.64800	76.6
## 4058	Gabon	266	1981	5.70900	71.9
## 4060	Gabon	266	1983	5.72300	67.9
## 4062	Gabon	266	1985	5.68900	64.7
## 4064	Gabon	266	1987	5.60900	62.5
## 4066	Gabon	266	1989	5.49100	61.1
## 4068	Gabon	266	1991	5.34500	60.0
## 4070	Gabon	266	1993	5.17600	59.1
## 4072	Gabon	266	1995	4.99600	58.2
## 4074	Gabon	266	1997	4.80900	57.3
## 4076	Gabon	266	1999	4.62500	56.3
## 4078	Gabon	266	2001	4.46000	54.7
## 4080	Gabon	266	2003	4.32700	52.6
## 4082	Gabon	266	2005	4.23000	50.2



## 4084	Gabon	266	2007	4.16400	47.4
## 4086	Gabon	266	2009	4.11200	44.2
## 4088	Gabon	266	2011	4.05000	41.3
## 4090	Gabon	266	2013	3.96300	38.0
## 4092	Gabon	266	2015	3.84900	36.1
## 4094	Gambia, The	270	1951	5.14638	NA
## 4096	Gambia, The	270	1953	5.21694	NA
## 4098	Gambia, The	270	1955	5.28750	NA
## 4100	Gambia, The	270	1957	5.35806	156.0
## 4102	Gambia, The	270	1959	5.42862	150.8
## 4104	Gambia, The	270	1961	5.62100	146.1
## 4106	Gambia, The	270	1963	5.72300	141.5
## 4108	Gambia, The	270	1965	5.83000	137.1
## 4110	Gambia, The	270	1967	5.93800	132.6
## 4112	Gambia, The	270	1969	6.04300	128.3
## 4114	Gambia, The	270	1971	6.14100	123.8
## 4116	Gambia, The	270	1973	6.22600	119.1
## 4118	Gambia, The	270	1975	6.29300	114.4
## 4120	Gambia, The	270	1977	6.33300	109.8
## 4122	Gambia, The	270	1979	6.34300	105.4
## 4124	Gambia, The	270	1981	6.32300	100.9
## 4126	Gambia, The	270	1983	6.27700	96.2
## 4128	Gambia, The	270	1985	6.21900	91.3
## 4130	Gambia, The	270	1987	6.16400	86.5
## 4132	Gambia, The	270	1989	6.12300	82.1
## 4134	Gambia, The	270	1991	6.09500	78.0
## 4136	Gambia, The	270	1993	6.07000	74.3
## 4138	Gambia, The	270	1995	6.03900	70.9
## 4140	Gambia, The	270	1997	5.99500	67.7
## 4142	Gambia, The	270	1999	5.94400	64.8
## 4144	Gambia, The	270	2001	5.89100	62.0
## 4146	Gambia, The	270	2003	5.84500	59.3
## 4148	Gambia, The	270	2005	5.81200	56.8
## 4150	Gambia, The	270	2007	5.79900	54.5
## 4152	Gambia, The	270	2009	5.79800	52.6
## 4154	Gambia, The	270	2011	5.78900	50.9
## 4156	Gambia, The	270	2013	5.75100	49.4
## 4158	Gambia, The	270	2015	5.67400	47.9
## 4160	Georgia	268	1951	2.62280	NA
## 4162	Georgia	268	1953	2.68640	NA
## 4164	Georgia	268	1955	2.75000	NA
## 4166	Georgia	268	1957	2.81360	NA
## 4168	Georgia	268	1959	2.87720	NA
## 4170	Georgia	268	1961	2.96500	NA
## 4172	Georgia	268	1963	2.91500	NA
## 4174	Georgia	268	1965	2.80100	NA
## 4176	Georgia	268	1967	2.68000	NA
## 4178	Georgia	268	1969	2.60900	NA
## 4180	Georgia	268	1971	2.58800	NA
## 4182	Georgia	268	1973	2.56300	NA
## 4184	Georgia	268	1975	2.50200	56.6
## 4186	Georgia	268	1977	2.41900	53.5
## 4188	Georgia	268	1979	2.34300	50.5
## 4190	Georgia	268	1981	2.29600	47.6

## 4192	Georgia	268	1983	2.27700	45.1
## 4194	Georgia	268	1985	2.27300	43.2
## 4196	Georgia	268	1987	2.26000	41.9
## 4198	Georgia	268	1989	2.21700	41.1
## 4200	Georgia	268	1991	2.13200	40.4
## 4202	Georgia	268	1993	2.01300	39.5
## 4204	Georgia	268	1995	1.87900	38.1
## 4206	Georgia	268	1997	1.74900	35.9
## 4208	Georgia	268	1999	1.64300	32.9
## 4210	Georgia	268	2001	1.59200	29.3
## 4212	Georgia	268	2003	1.60900	25.5
## 4214	Georgia	268	2005	1.67800	21.9
## 4216	Georgia	268	2007	1.75800	18.6
## 4218	Georgia	268	2009	1.80900	16.0
## 4220	Georgia	268	2011	1.82200	13.8
## 4222	Georgia	268	2013	1.81700	12.0
## 4224	Georgia	268	2015	1.81500	10.6
## 4226	Germany	276	1951	2.01120	NA
## 4228	Germany	276	1953	2.06960	NA
## 4230	Germany	276	1955	2.12800	NA
## 4232	Germany	276	1957	2.18640	NA
## 4234	Germany	276	1959	2.24480	NA
## 4236	Germany	276	1961	2.45000	NA
## 4238	Germany	276	1963	2.51000	NA
## 4240	Germany	276	1965	2.50000	NA
## 4242	Germany	276	1967	2.48000	NA
## 4244	Germany	276	1969	2.21000	22.7
## 4246	Germany	276	1971	1.92000	21.4
## 4248	Germany	276	1973	1.54000	19.7
## 4250	Germany	276	1975	1.45000	17.7
## 4252	Germany	276	1977	1.40000	15.5
## 4254	Germany	276	1979	1.38000	13.5
## 4256	Germany	276	1981	1.43000	11.8
## 4258	Germany	276	1983	1.33000	10.4
## 4260	Germany	276	1985	1.37000	9.2
## 4262	Germany	276	1987	1.43000	8.3
## 4264	Germany	276	1989	1.42000	7.4
## 4266	Germany	276	1991	1.33000	6.5
## 4268	Germany	276	1993	1.28000	5.9
## 4270	Germany	276	1995	1.25000	5.3
## 4272	Germany	276	1997	1.35000	4.8
## 4274	Germany	276	1999	1.36000	4.5
## 4276	Germany	276	2001	1.35000	4.3
## 4278	Germany	276	2003	1.34000	4.1
## 4280	Germany	276	2005	1.34000	3.9
## 4282	Germany	276	2007	1.37000	3.7
## 4284	Germany	276	2009	1.36000	3.6
## 4286	Germany	276	2011	1.39000	3.4
## 4288	Germany	276	2013	1.42000	3.3
## 4290	Germany	276	2015	1.50000	3.1
## 4292	Ghana	288	1951	6.28432	148.3
## 4294	Ghana	288	1953	6.36316	141.6
## 4296	Ghana	288	1955	6.44200	135.6
## 4298	Ghana	288	1957	6.52084	130.6

## 4300	Ghana	288	1959	6.59968	126.7
## 4302	Ghana	288	1961	6.78900	123.8
## 4304	Ghana	288	1963	6.86200	121.8
## 4306	Ghana	288	1965	6.91800	120.8
## 4308	Ghana	288	1967	6.95000	120.6
## 4310	Ghana	288	1969	6.95700	120.5
## 4312	Ghana	288	1971	6.93600	119.5
## 4314	Ghana	288	1973	6.88800	116.5
## 4316	Ghana	288	1975	6.81500	111.5
## 4318	Ghana	288	1977	6.72100	106.0
## 4320	Ghana	288	1979	6.60500	102.1
## 4322	Ghana	288	1981	6.46800	100.1
## 4324	Ghana	288	1983	6.31000	98.4
## 4326	Ghana	288	1985	6.13100	94.7
## 4328	Ghana	288	1987	5.93500	89.0
## 4330	Ghana	288	1989	5.72500	82.7
## 4332	Ghana	288	1991	5.50500	77.5
## 4334	Ghana	288	1993	5.27700	74.1
## 4336	Ghana	288	1995	5.05700	72.0
## 4338	Ghana	288	1997	4.86900	69.8
## 4340	Ghana	288	1999	4.72700	66.7
## 4342	Ghana	288	2001	4.61800	63.0
## 4344	Ghana	288	2003	4.51700	59.6
## 4346	Ghana	288	2005	4.41300	56.8
## 4348	Ghana	288	2007	4.33000	54.4
## 4350	Ghana	288	2009	4.28500	51.7
## 4352	Ghana	288	2011	4.25800	48.6
## 4354	Ghana	288	2013	4.20900	45.5
## 4356	Ghana	288	2015	4.11700	42.8
## 4358	Greece	300	1951	2.52758	NA
## 4360	Greece	300	1953	2.50354	NA
## 4362	Greece	300	1955	2.47950	49.9
## 4364	Greece	300	1957	2.45546	50.2
## 4366	Greece	300	1959	2.43142	49.1
## 4368	Greece	300	1961	2.13000	47.3
## 4370	Greece	300	1963	2.14000	45.0
## 4372	Greece	300	1965	2.25000	42.3
## 4374	Greece	300	1967	2.45000	39.9
## 4376	Greece	300	1969	2.36000	36.1
## 4378	Greece	300	1971	2.32000	31.9
## 4380	Greece	300	1973	2.27000	30.1
## 4382	Greece	300	1975	2.33000	28.5
## 4384	Greece	300	1977	2.27000	25.9
## 4386	Greece	300	1979	2.26000	22.8
## 4388	Greece	300	1981	2.09000	19.9
## 4390	Greece	300	1983	1.94000	17.7
## 4392	Greece	300	1985	1.67000	15.8
## 4394	Greece	300	1987	1.50000	13.9
## 4396	Greece	300	1989	1.40000	12.0
## 4398	Greece	300	1991	1.37000	10.7
## 4400	Greece	300	1993	1.32000	9.8
## 4402	Greece	300	1995	1.28000	9.1
## 4404	Greece	300	1997	1.27000	8.3
## 4406	Greece	300	1999	1.23000	7.4

## 4408	Greece	300	2001	1.25000	6.5
## 4410	Greece	300	2003	1.29000	5.5
## 4412	Greece	300	2005	1.34000	4.8
## 4414	Greece	300	2007	1.41000	4.4
## 4416	Greece	300	2009	1.50000	4.2
## 4418	Greece	300	2011	1.40000	4.0
## 4420	Greece	300	2013	1.29000	3.8
## 4422	Greece	300	2015	1.30000	3.6
## 4424	Guatemala	320	1951	7.21952	NA
## 4426	Guatemala	320	1953	7.16956	NA
## 4428	Guatemala	320	1955	7.11960	NA
## 4430	Guatemala	320	1957	7.06964	155.0
## 4432	Guatemala	320	1959	7.01968	148.8
## 4434	Guatemala	320	1961	6.51200	143.3
## 4436	Guatemala	320	1963	6.46400	138.0
## 4438	Guatemala	320	1965	6.39900	132.6
## 4440	Guatemala	320	1967	6.32300	127.1
## 4442	Guatemala	320	1969	6.25900	121.2
## 4444	Guatemala	320	1971	6.21900	115.2
## 4446	Guatemala	320	1973	6.20300	109.1
## 4448	Guatemala	320	1975	6.20200	102.9
## 4450	Guatemala	320	1977	6.21100	96.8
## 4452	Guatemala	320	1979	6.21000	90.7
## 4454	Guatemala	320	1981	6.16100	84.7
## 4456	Guatemala	320	1983	6.02700	78.9
## 4458	Guatemala	320	1985	5.82000	73.2
## 4460	Guatemala	320	1987	5.59100	67.7
## 4462	Guatemala	320	1989	5.39600	62.4
## 4464	Guatemala	320	1991	5.24400	57.3
## 4466	Guatemala	320	1993	5.10200	52.7
## 4468	Guatemala	320	1995	4.93900	48.5
## 4470	Guatemala	320	1997	4.75000	44.7
## 4472	Guatemala	320	1999	4.54300	41.4
## 4474	Guatemala	320	2001	4.32200	38.5
## 4476	Guatemala	320	2003	4.09100	35.9
## 4478	Guatemala	320	2005	3.86500	33.5
## 4480	Guatemala	320	2007	3.66400	31.2
## 4482	Guatemala	320	2009	3.50100	29.3
## 4484	Guatemala	320	2011	3.37300	27.5
## 4486	Guatemala	320	2013	3.26300	25.9
## 4488	Guatemala	320	2015	3.15900	24.3
## 4490	Guinea	324	1951	5.94064	NA
## 4492	Guinea	324	1953	5.97032	NA
## 4494	Guinea	324	1955	6.00000	NA
## 4496	Guinea	324	1957	6.02968	NA
## 4498	Guinea	324	1959	6.05936	NA
## 4500	Guinea	324	1961	6.12700	210.5
## 4502	Guinea	324	1963	6.14700	207.6
## 4504	Guinea	324	1965	6.16000	204.5
## 4506	Guinea	324	1967	6.17700	200.9
## 4508	Guinea	324	1969	6.20500	197.1
## 4510	Guinea	324	1971	6.24900	193.2
## 4512	Guinea	324	1973	6.30600	189.1
## 4514	Guinea	324	1975	6.36900	184.5

## 4516	Guinea	324	1977	6.43600	179.1
## 4518	Guinea	324	1979	6.50000	173.2
## 4520	Guinea	324	1981	6.55700	167.3
## 4522	Guinea	324	1983	6.60200	161.4
## 4524	Guinea	324	1985	6.63100	155.7
## 4526	Guinea	324	1987	6.63700	150.0
## 4528	Guinea	324	1989	6.61800	144.0
## 4530	Guinea	324	1991	6.57000	137.3
## 4532	Guinea	324	1993	6.49300	129.9
## 4534	Guinea	324	1995	6.39100	122.3
## 4536	Guinea	324	1997	6.27300	114.7
## 4538	Guinea	324	1999	6.14700	106.9
## 4540	Guinea	324	2001	6.01500	99.2
## 4542	Guinea	324	2003	5.87700	91.7
## 4544	Guinea	324	2005	5.72900	84.9
## 4546	Guinea	324	2007	5.57500	79.0
## 4548	Guinea	324	2009	5.41700	73.7
## 4550	Guinea	324	2011	5.25600	68.9
## 4552	Guinea	324	2013	5.09400	64.7
## 4554	Guinea	324	2015	4.93200	61.0
## 4556	Guinea-Bissau	624	1951	5.90000	NA
## 4558	Guinea-Bissau	624	1953	5.90000	NA
## 4560	Guinea-Bissau	624	1955	5.90000	NA
## 4562	Guinea-Bissau	624	1957	5.90000	NA
## 4564	Guinea-Bissau	624	1959	5.90000	NA
## 4566	Guinea-Bissau	624	1961	5.93100	NA
## 4568	Guinea-Bissau	624	1963	5.95100	NA
## 4570	Guinea-Bissau	624	1965	5.97100	NA
## 4572	Guinea-Bissau	624	1967	5.99400	NA
## 4574	Guinea-Bissau	624	1969	6.02400	NA
## 4576	Guinea-Bissau	624	1971	6.06000	NA
## 4578	Guinea-Bissau	624	1973	6.09800	NA
## 4580	Guinea-Bissau	624	1975	6.15000	NA
## 4582	Guinea-Bissau	624	1977	6.24900	NA
## 4584	Guinea-Bissau	624	1979	6.40100	NA
## 4586	Guinea-Bissau	624	1981	6.56900	NA
## 4588	Guinea-Bissau	624	1983	6.69400	NA
## 4590	Guinea-Bissau	624	1985	6.73900	NA
## 4592	Guinea-Bissau	624	1987	6.71700	143.1
## 4594	Guinea-Bissau	624	1989	6.66300	137.9
## 4596	Guinea-Bissau	624	1991	6.58200	132.9
## 4598	Guinea-Bissau	624	1993	6.45800	127.6
## 4600	Guinea-Bissau	624	1995	6.29400	122.1
## 4602	Guinea-Bissau	624	1997	6.10400	116.2
## 4604	Guinea-Bissau	624	1999	5.91100	110.1
## 4606	Guinea-Bissau	624	2001	5.72800	103.8
## 4608	Guinea-Bissau	624	2003	5.55800	97.1
## 4610	Guinea-Bissau	624	2005	5.40300	90.1
## 4612	Guinea-Bissau	624	2007	5.26700	83.3
## 4614	Guinea-Bissau	624	2009	5.14800	76.6
## 4616	Guinea-Bissau	624	2011	5.03300	70.3
## 4618	Guinea-Bissau	624	2013	4.90600	64.8
## 4620	Guinea-Bissau	624	2015	4.76100	60.3
## 4622	Guyana	328	1951	5.71218	103.7

## 4624	Guyana	328	1953	5.87714	94.7
## 4626	Guyana	328	1955	6.04210	85.8
## 4628	Guyana	328	1957	6.20706	77.6
## 4630	Guyana	328	1959	6.37202	70.7
## 4632	Guyana	328	1961	5.68900	65.1
## 4634	Guyana	328	1963	5.54800	61.0
## 4636	Guyana	328	1965	5.42100	58.3
## 4638	Guyana	328	1967	5.31400	56.6
## 4640	Guyana	328	1969	5.21000	55.6
## 4642	Guyana	328	1971	5.09200	55.2
## 4644	Guyana	328	1973	4.94400	54.9
## 4646	Guyana	328	1975	4.76900	54.6
## 4648	Guyana	328	1977	4.57900	54.1
## 4650	Guyana	328	1979	4.39500	53.5
## 4652	Guyana	328	1981	4.22600	52.8
## 4654	Guyana	328	1983	4.07300	51.9
## 4656	Guyana	328	1985	3.93100	50.8
## 4658	Guyana	328	1987	3.79600	49.4
## 4660	Guyana	328	1989	3.66600	47.6
## 4662	Guyana	328	1991	3.53500	45.5
## 4664	Guyana	328	1993	3.40000	43.4
## 4666	Guyana	328	1995	3.26700	41.4
## 4668	Guyana	328	1997	3.15000	39.6
## 4670	Guyana	328	1999	3.05900	37.9
## 4672	Guyana	328	2001	2.98900	36.5
## 4674	Guyana	328	2003	2.92600	35.3
## 4676	Guyana	328	2005	2.86000	34.4
## 4678	Guyana	328	2007	2.78700	33.9
## 4680	Guyana	328	2009	2.71500	33.7
## 4682	Guyana	328	2011	2.64700	33.5
## 4684	Guyana	328	2013	2.58500	33.0
## 4686	Guyana	328	2015	2.53200	32.0
## 4688	Haiti	332	1951	6.30000	NA
## 4690	Haiti	332	1953	6.30000	NA
## 4692	Haiti	332	1955	6.30000	NA
## 4694	Haiti	332	1957	6.30000	205.3
## 4696	Haiti	332	1959	6.30000	198.2
## 4698	Haiti	332	1961	6.31800	191.5
## 4700	Haiti	332	1963	6.27400	185.2
## 4702	Haiti	332	1965	6.17900	179.1
## 4704	Haiti	332	1967	6.02600	172.9
## 4706	Haiti	332	1969	5.84600	166.6
## 4708	Haiti	332	1971	5.69200	160.1
## 4710	Haiti	332	1973	5.61600	153.0
## 4712	Haiti	332	1975	5.64100	146.0
## 4714	Haiti	332	1977	5.77900	139.2
## 4716	Haiti	332	1979	5.97000	132.5
## 4718	Haiti	332	1981	6.12200	126.2
## 4720	Haiti	332	1983	6.14900	120.0
## 4722	Haiti	332	1985	6.02800	114.3
## 4724	Haiti	332	1987	5.79900	108.8
## 4726	Haiti	332	1989	5.54800	103.5
## 4728	Haiti	332	1991	5.31800	98.4
## 4730	Haiti	332	1993	5.10300	93.1

## 4732	Haiti	332	1995	4.89000	87.8
## 4734	Haiti	332	1997	4.66500	82.4
## 4736	Haiti	332	1999	4.42500	77.4
## 4738	Haiti	332	2001	4.18200	72.8
## 4740	Haiti	332	2003	3.95500	68.9
## 4742	Haiti	332	2005	3.75700	65.6
## 4744	Haiti	332	2007	3.57900	62.7
## 4746	Haiti	332	2009	3.40800	60.0
## 4748	Haiti	332	2011	3.24500	57.5
## 4750	Haiti	332	2013	3.09800	54.8
## 4752	Haiti	332	2015	2.97300	52.2
## 4754	Honduras	340	1951	7.49700	NA
## 4756	Honduras	340	1953	7.49700	NA
## 4758	Honduras	340	1955	7.49700	NA
## 4760	Honduras	340	1957	7.49700	154.9
## 4762	Honduras	340	1959	7.49700	145.2
## 4764	Honduras	340	1961	7.44800	136.6
## 4766	Honduras	340	1963	7.44100	128.4
## 4768	Honduras	340	1965	7.44200	120.5
## 4770	Honduras	340	1967	7.41700	113.1
## 4772	Honduras	340	1969	7.33400	105.8
## 4774	Honduras	340	1971	7.19500	98.7
## 4776	Honduras	340	1973	7.02500	91.7
## 4778	Honduras	340	1975	6.84400	85.0
## 4780	Honduras	340	1977	6.64900	78.5
## 4782	Honduras	340	1979	6.43100	72.2
## 4784	Honduras	340	1981	6.19000	66.3
## 4786	Honduras	340	1983	5.93200	60.8
## 4788	Honduras	340	1985	5.67400	55.8
## 4790	Honduras	340	1987	5.43900	51.2
## 4792	Honduras	340	1989	5.23300	47.1
## 4794	Honduras	340	1991	5.04800	43.3
## 4796	Honduras	340	1993	4.86000	39.9
## 4798	Honduras	340	1995	4.64900	36.9
## 4800	Honduras	340	1997	4.40500	34.3
## 4802	Honduras	340	1999	4.13400	31.8
## 4804	Honduras	340	2001	3.84900	29.4
## 4806	Honduras	340	2003	3.56400	27.1
## 4808	Honduras	340	2005	3.29300	25.0
## 4810	Honduras	340	2007	3.03900	23.2
## 4812	Honduras	340	2009	2.80200	21.4
## 4814	Honduras	340	2011	2.59900	19.9
## 4816	Honduras	340	2013	2.44200	18.6
## 4818	Honduras	340	2015	2.33200	17.4
## 4820	Hong Kong SAR, China	344	1951	4.21600	NA
## 4822	Hong Kong SAR, China	344	1953	4.32800	NA
## 4824	Hong Kong SAR, China	344	1955	4.44000	NA
## 4826	Hong Kong SAR, China	344	1957	4.55200	NA
## 4828	Hong Kong SAR, China	344	1959	4.66400	NA
## 4830	Hong Kong SAR, China	344	1961	5.21300	NA
## 4832	Hong Kong SAR, China	344	1963	5.05100	NA
## 4834	Hong Kong SAR, China	344	1965	4.55100	NA
## 4836	Hong Kong SAR, China	344	1967	3.95900	NA
## 4838	Hong Kong SAR, China	344	1969	3.54500	NA

## 4840	Hong Kong SAR, China	344	1971	3.45900	NA
## 4842	Hong Kong SAR, China	344	1973	3.17700	NA
## 4844	Hong Kong SAR, China	344	1975	2.66600	NA
## 4846	Hong Kong SAR, China	344	1977	2.37600	NA
## 4848	Hong Kong SAR, China	344	1979	2.12000	NA
## 4850	Hong Kong SAR, China	344	1981	1.93300	NA
## 4852	Hong Kong SAR, China	344	1983	1.72200	NA
## 4854	Hong Kong SAR, China	344	1985	1.49100	NA
## 4856	Hong Kong SAR, China	344	1987	1.31100	NA
## 4858	Hong Kong SAR, China	344	1989	1.29600	NA
## 4860	Hong Kong SAR, China	344	1991	1.28100	NA
## 4862	Hong Kong SAR, China	344	1993	1.34200	NA
## 4864	Hong Kong SAR, China	344	1995	1.29500	NA
## 4866	Hong Kong SAR, China	344	1997	1.12700	NA
## 4868	Hong Kong SAR, China	344	1999	0.98200	NA
## 4870	Hong Kong SAR, China	344	2001	0.93200	NA
## 4872	Hong Kong SAR, China	344	2003	0.90100	NA
## 4874	Hong Kong SAR, China	344	2005	0.96600	NA
## 4876	Hong Kong SAR, China	344	2007	1.02800	NA
## 4878	Hong Kong SAR, China	344	2009	1.05500	NA
## 4880	Hong Kong SAR, China	344	2011	1.20400	NA
## 4882	Hong Kong SAR, China	344	2013	1.12400	NA
## 4884	Hong Kong SAR, China	344	2015	1.19500	NA
## 4886	Hungary	348	1951	2.98056	NA
## 4888	Hungary	348	1953	2.83328	NA
## 4890	Hungary	348	1955	2.68600	64.5
## 4892	Hungary	348	1957	2.53872	63.0
## 4894	Hungary	348	1959	2.39144	56.4
## 4896	Hungary	348	1961	1.94000	51.0
## 4898	Hungary	348	1963	1.82000	47.3
## 4900	Hungary	348	1965	1.82000	44.4
## 4902	Hungary	348	1967	2.01000	42.0
## 4904	Hungary	348	1969	2.04000	39.9
## 4906	Hungary	348	1971	1.93000	38.5
## 4908	Hungary	348	1973	1.93000	38.6
## 4910	Hungary	348	1975	2.35000	35.8
## 4912	Hungary	348	1977	2.15000	29.4
## 4914	Hungary	348	1979	2.01000	25.3
## 4916	Hungary	348	1981	1.88000	22.6
## 4918	Hungary	348	1983	1.75000	22.0
## 4920	Hungary	348	1985	1.85000	21.4
## 4922	Hungary	348	1987	1.82000	19.4
## 4924	Hungary	348	1989	1.82000	17.6
## 4926	Hungary	348	1991	1.87000	16.2
## 4928	Hungary	348	1993	1.68000	14.2
## 4930	Hungary	348	1995	1.57000	12.1
## 4932	Hungary	348	1997	1.37000	11.1
## 4934	Hungary	348	1999	1.28000	10.2
## 4936	Hungary	348	2001	1.31000	9.1
## 4938	Hungary	348	2003	1.27000	8.0
## 4940	Hungary	348	2005	1.31000	7.2
## 4942	Hungary	348	2007	1.32000	6.5
## 4944	Hungary	348	2009	1.32000	5.9
## 4946	Hungary	348	2011	1.23000	5.5



## 4948	Hungary	348	2013	1.35000	5.4
## 4950	Hungary	348	2015	1.44000	5.3
## 4952	Iceland	352	1951	3.61936	43.8
## 4954	Iceland	352	1953	3.74088	40.0
## 4956	Iceland	352	1955	3.86240	36.7
## 4958	Iceland	352	1957	3.98392	34.0
## 4960	Iceland	352	1959	4.10544	31.6
## 4962	Iceland	352	1961	3.88000	29.2
## 4964	Iceland	352	1963	3.99000	27.0
## 4966	Iceland	352	1965	3.73000	24.7
## 4968	Iceland	352	1967	3.28000	21.9
## 4970	Iceland	352	1969	2.99000	19.7
## 4972	Iceland	352	1971	2.92000	18.5
## 4974	Iceland	352	1973	2.94000	18.0
## 4976	Iceland	352	1975	2.65000	17.0
## 4978	Iceland	352	1977	2.31000	15.2
## 4980	Iceland	352	1979	2.49000	13.0
## 4982	Iceland	352	1981	2.33000	11.2
## 4984	Iceland	352	1983	2.24000	9.8
## 4986	Iceland	352	1985	1.93000	8.9
## 4988	Iceland	352	1987	2.06000	8.4
## 4990	Iceland	352	1989	2.19000	8.0
## 4992	Iceland	352	1991	2.18000	7.2
## 4994	Iceland	352	1993	2.22000	6.4
## 4996	Iceland	352	1995	2.08000	6.1
## 4998	Iceland	352	1997	2.04000	6.1
## 5000	Iceland	352	1999	1.99000	6.1
## 5002	Iceland	352	2001	1.95000	5.8
## 5004	Iceland	352	2003	1.99000	5.1
## 5006	Iceland	352	2005	2.05000	4.4
## 5008	Iceland	352	2007	2.09000	3.9
## 5010	Iceland	352	2009	2.23000	3.6
## 5012	Iceland	352	2011	2.02000	3.4
## 5014	Iceland	352	2013	1.93000	3.2
## 5016	Iceland	352	2015	1.93000	3.0
## 5018	India	356	1951	5.90860	NA
## 5020	India	356	1953	5.90580	186.6
## 5022	India	356	1955	5.90300	179.8
## 5024	India	356	1957	5.90020	173.7
## 5026	India	356	1959	5.89740	167.9
## 5028	India	356	1961	5.90300	162.5
## 5030	India	356	1963	5.88100	157.6
## 5032	India	356	1965	5.83100	153.2
## 5034	India	356	1967	5.75200	148.9
## 5036	India	356	1969	5.64800	144.8
## 5038	India	356	1971	5.51900	140.6
## 5040	India	356	1973	5.36300	135.8
## 5042	India	356	1975	5.19200	130.3
## 5044	India	356	1977	5.03000	124.0
## 5046	India	356	1979	4.89000	117.5
## 5048	India	356	1981	4.76700	111.3
## 5050	India	356	1983	4.63600	105.7
## 5052	India	356	1985	4.48400	100.6
## 5054	India	356	1987	4.31100	95.6

## 5056	India	356	1989	4.13200	90.7
## 5058	India	356	1991	3.95900	86.1
## 5060	India	356	1993	3.79800	81.7
## 5062	India	356	1995	3.65100	77.5
## 5064	India	356	1997	3.51300	73.1
## 5066	India	356	1999	3.37900	68.6
## 5068	India	356	2001	3.24300	64.2
## 5070	India	356	2003	3.10500	59.9
## 5072	India	356	2005	2.96600	55.8
## 5074	India	356	2007	2.82600	51.9
## 5076	India	356	2009	2.68700	48.2
## 5078	India	356	2011	2.56300	44.4
## 5080	India	356	2013	2.46500	40.9
## 5082	India	356	2015	2.39500	37.9
## 5084	Indonesia	360	1951	5.33720	192.2
## 5086	Indonesia	360	1953	5.41160	181.2
## 5088	Indonesia	360	1955	5.48600	170.8
## 5090	Indonesia	360	1957	5.56040	161.2
## 5092	Indonesia	360	1959	5.63480	152.4
## 5094	Indonesia	360	1961	5.65600	144.8
## 5096	Indonesia	360	1963	5.63400	137.7
## 5098	Indonesia	360	1965	5.61200	130.6
## 5100	Indonesia	360	1967	5.58200	123.4
## 5102	Indonesia	360	1969	5.52100	116.4
## 5104	Indonesia	360	1971	5.41300	109.9
## 5106	Indonesia	360	1973	5.25100	103.6
## 5108	Indonesia	360	1975	5.04300	97.8
## 5110	Indonesia	360	1977	4.80600	92.5
## 5112	Indonesia	360	1979	4.55700	87.7
## 5114	Indonesia	360	1981	4.30100	83.1
## 5116	Indonesia	360	1983	4.02800	78.5
## 5118	Indonesia	360	1985	3.74500	74.0
## 5120	Indonesia	360	1987	3.47200	69.3
## 5122	Indonesia	360	1989	3.22900	64.6
## 5124	Indonesia	360	1991	3.02300	59.8
## 5126	Indonesia	360	1993	2.84400	55.1
## 5128	Indonesia	360	1995	2.69100	50.8
## 5130	Indonesia	360	1997	2.57500	46.7
## 5132	Indonesia	360	1999	2.50300	42.9
## 5134	Indonesia	360	2001	2.47300	39.4
## 5136	Indonesia	360	2003	2.47100	36.3
## 5138	Indonesia	360	2005	2.48100	33.4
## 5140	Indonesia	360	2007	2.49700	30.9
## 5142	Indonesia	360	2009	2.51000	28.5
## 5144	Indonesia	360	2011	2.50900	26.3
## 5146	Indonesia	360	2013	2.48400	24.4
## 5148	Indonesia	360	2015	2.43700	22.8
## 5150	Iran, Islamic Rep.	364	1951	6.90860	NA
## 5152	Iran, Islamic Rep.	364	1953	6.90860	NA
## 5154	Iran, Islamic Rep.	364	1955	6.90860	NA
## 5156	Iran, Islamic Rep.	364	1957	6.90860	NA
## 5158	Iran, Islamic Rep.	364	1959	6.90860	NA
## 5160	Iran, Islamic Rep.	364	1961	6.92400	NA
## 5162	Iran, Islamic Rep.	364	1963	6.89600	NA

## 5164	Iran, Islamic Rep.	364	1965	6.82700	NA
## 5166	Iran, Islamic Rep.	364	1967	6.69900	NA
## 5168	Iran, Islamic Rep.	364	1969	6.52800	NA
## 5170	Iran, Islamic Rep.	364	1971	6.35900	126.0
## 5172	Iran, Islamic Rep.	364	1973	6.24300	115.9
## 5174	Iran, Islamic Rep.	364	1975	6.21200	105.8
## 5176	Iran, Islamic Rep.	364	1977	6.28900	95.0
## 5178	Iran, Islamic Rep.	364	1979	6.42200	83.7
## 5180	Iran, Islamic Rep.	364	1981	6.51600	73.2
## 5182	Iran, Islamic Rep.	364	1983	6.47000	64.4
## 5184	Iran, Islamic Rep.	364	1985	6.22300	57.6
## 5186	Iran, Islamic Rep.	364	1987	5.75800	51.9
## 5188	Iran, Islamic Rep.	364	1989	5.15000	46.9
## 5190	Iran, Islamic Rep.	364	1991	4.47800	42.6
## 5192	Iran, Islamic Rep.	364	1993	3.81000	39.2
## 5194	Iran, Islamic Rep.	364	1995	3.21600	36.2
## 5196	Iran, Islamic Rep.	364	1997	2.73400	33.2
## 5198	Iran, Islamic Rep.	364	1999	2.35800	30.1
## 5200	Iran, Islamic Rep.	364	2001	2.09200	27.1
## 5202	Iran, Islamic Rep.	364	2003	1.92500	24.3
## 5204	Iran, Islamic Rep.	364	2005	1.83100	21.7
## 5206	Iran, Islamic Rep.	364	2007	1.78800	19.4
## 5208	Iran, Islamic Rep.	364	2009	1.77200	17.3
## 5210	Iran, Islamic Rep.	364	2011	1.75500	15.7
## 5212	Iran, Islamic Rep.	364	2013	1.72600	14.5
## 5214	Iran, Islamic Rep.	364	2015	1.68500	13.4
## 5216	Iraq	368	1951	8.17840	231.0
## 5218	Iraq	368	1953	7.73920	202.8
## 5220	Iraq	368	1955	7.30000	178.1
## 5222	Iraq	368	1957	6.86080	156.9
## 5224	Iraq	368	1959	6.42160	139.4
## 5226	Iraq	368	1961	6.36400	124.7
## 5228	Iraq	368	1963	6.68900	112.5
## 5230	Iraq	368	1965	7.04400	102.1
## 5232	Iraq	368	1967	7.29500	93.0
## 5234	Iraq	368	1969	7.38300	85.1
## 5236	Iraq	368	1971	7.30800	78.1
## 5238	Iraq	368	1973	7.15300	71.9
## 5240	Iraq	368	1975	6.99300	66.2
## 5242	Iraq	368	1977	6.83400	61.2
## 5244	Iraq	368	1979	6.65800	56.9
## 5246	Iraq	368	1981	6.48500	53.3
## 5248	Iraq	368	1983	6.33800	50.1
## 5250	Iraq	368	1985	6.22000	47.4
## 5252	Iraq	368	1987	6.10500	45.1
## 5254	Iraq	368	1989	5.96500	43.1
## 5256	Iraq	368	1991	5.79400	41.6
## 5258	Iraq	368	1993	5.61000	40.2
## 5260	Iraq	368	1995	5.42300	38.9
## 5262	Iraq	368	1997	5.21800	37.6
## 5264	Iraq	368	1999	4.99500	36.4
## 5266	Iraq	368	2001	4.79200	35.2
## 5268	Iraq	368	2003	4.65800	34.1
## 5270	Iraq	368	2005	4.60800	33.0

## 5272	Iraq	368	2007	4.62300	31.8
## 5274	Iraq	368	2009	4.65300	30.6
## 5276	Iraq	368	2011	4.65400	29.3
## 5278	Iraq	368	2013	4.60700	27.9
## 5280	Iraq	368	2015	4.51500	26.5
## 5282	Ireland	372	1951	3.29200	43.8
## 5284	Ireland	372	1953	3.35600	40.0
## 5286	Ireland	372	1955	3.42000	36.7
## 5288	Ireland	372	1957	3.48400	34.0
## 5290	Ireland	372	1959	3.54800	31.6
## 5292	Ireland	372	1961	3.78000	29.2
## 5294	Ireland	372	1963	4.01000	27.0
## 5296	Ireland	372	1965	4.04000	24.7
## 5298	Ireland	372	1967	3.84000	21.9
## 5300	Ireland	372	1969	3.83000	19.7
## 5302	Ireland	372	1971	3.93000	18.5
## 5304	Ireland	372	1973	3.71000	18.0
## 5306	Ireland	372	1975	3.37000	17.0
## 5308	Ireland	372	1977	3.24000	15.2
## 5310	Ireland	372	1979	3.21000	13.0
## 5312	Ireland	372	1981	3.05000	11.2
## 5314	Ireland	372	1983	2.74000	9.8
## 5316	Ireland	372	1985	2.48000	8.9
## 5318	Ireland	372	1987	2.32000	8.4
## 5320	Ireland	372	1989	2.08000	8.0
## 5322	Ireland	372	1991	2.08000	7.2
## 5324	Ireland	372	1993	1.90000	6.4
## 5326	Ireland	372	1995	1.84000	6.1
## 5328	Ireland	372	1997	1.93000	6.1
## 5330	Ireland	372	1999	1.90000	6.1
## 5332	Ireland	372	2001	1.94000	5.8
## 5334	Ireland	372	2003	1.96000	5.1
## 5336	Ireland	372	2005	1.86000	4.4
## 5338	Ireland	372	2007	2.01000	3.9
## 5340	Ireland	372	2009	2.06000	3.6
## 5342	Ireland	372	2011	2.03000	3.4
## 5344	Ireland	372	2013	1.96000	3.2
## 5346	Ireland	372	2015	1.94000	3.0
## 5348	Israel	376	1951	4.58532	NA
## 5350	Israel	376	1953	4.43116	NA
## 5352	Israel	376	1955	4.27700	NA
## 5354	Israel	376	1957	4.12284	NA
## 5356	Israel	376	1959	3.96868	NA
## 5358	Israel	376	1961	3.85800	NA
## 5360	Israel	376	1963	3.83800	NA
## 5362	Israel	376	1965	3.81400	NA
## 5364	Israel	376	1967	3.79000	NA
## 5366	Israel	376	1969	3.78200	NA
## 5368	Israel	376	1971	3.77400	NA
## 5370	Israel	376	1973	3.69800	NA
## 5372	Israel	376	1975	3.55400	22.4
## 5374	Israel	376	1977	3.41000	18.6
## 5376	Israel	376	1979	3.29800	16.1
## 5378	Israel	376	1981	3.18600	14.6

## 5380	Israel	376	1983	3.10600	13.5
## 5382	Israel	376	1985	3.05800	12.1
## 5384	Israel	376	1987	3.01000	11.0
## 5386	Israel	376	1989	2.88600	10.1
## 5388	Israel	376	1991	2.76200	9.2
## 5390	Israel	376	1993	2.80000	8.2
## 5392	Israel	376	1995	2.90000	7.2
## 5394	Israel	376	1997	2.94000	6.4
## 5396	Israel	376	1999	2.96500	5.9
## 5398	Israel	376	2001	2.92000	5.4
## 5400	Israel	376	2003	2.95000	4.9
## 5402	Israel	376	2005	2.84000	4.5
## 5404	Israel	376	2007	2.90000	4.1
## 5406	Israel	376	2009	2.96000	3.8
## 5408	Israel	376	2011	2.98000	3.5
## 5410	Israel	376	2013	3.03000	3.3
## 5412	Israel	376	2015	3.09000	3.2
## 5414	Italy	380	1951	2.40700	65.8
## 5416	Italy	380	1953	2.38100	56.9
## 5418	Italy	380	1955	2.35500	51.0
## 5420	Italy	380	1957	2.32900	48.1
## 5422	Italy	380	1959	2.30300	45.6
## 5424	Italy	380	1961	2.42000	42.7
## 5426	Italy	380	1963	2.50000	39.2
## 5428	Italy	380	1965	2.59000	35.7
## 5430	Italy	380	1967	2.50000	33.1
## 5432	Italy	380	1969	2.46000	30.9
## 5434	Italy	380	1971	2.40000	28.2
## 5436	Italy	380	1973	2.30000	24.5
## 5438	Italy	380	1975	2.17000	20.5
## 5440	Italy	380	1977	1.93000	17.3
## 5442	Italy	380	1979	1.73000	15.1
## 5444	Italy	380	1981	1.58000	13.4
## 5446	Italy	380	1983	1.51000	11.9
## 5448	Italy	380	1985	1.42000	10.5
## 5450	Italy	380	1987	1.33000	9.4
## 5452	Italy	380	1989	1.33000	8.7
## 5454	Italy	380	1991	1.30000	8.0
## 5456	Italy	380	1993	1.25000	7.3
## 5458	Italy	380	1995	1.19000	6.4
## 5460	Italy	380	1997	1.21000	5.6
## 5462	Italy	380	1999	1.23000	5.0
## 5464	Italy	380	2001	1.25000	4.4
## 5466	Italy	380	2003	1.29000	4.0
## 5468	Italy	380	2005	1.34000	3.7
## 5470	Italy	380	2007	1.40000	3.6
## 5472	Italy	380	2009	1.45000	3.5
## 5474	Italy	380	2011	1.44000	3.3
## 5476	Italy	380	2013	1.39000	3.1
## 5478	Italy	380	2015	1.37000	2.9
## 5480	Jamaica	388	1951	3.53200	NA
## 5482	Jamaica	388	1953	3.87600	83.0
## 5484	Jamaica	388	1955	4.22000	76.3
## 5486	Jamaica	388	1957	4.56400	70.1

## 5488	Jamaica	388	1959	4.90800	64.6
## 5490	Jamaica	388	1961	5.52900	59.8
## 5492	Jamaica	388	1963	5.71100	55.8
## 5494	Jamaica	388	1965	5.81500	52.4
## 5496	Jamaica	388	1967	5.79000	49.3
## 5498	Jamaica	388	1969	5.61700	46.3
## 5500	Jamaica	388	1971	5.30500	43.3
## 5502	Jamaica	388	1973	4.89900	40.3
## 5504	Jamaica	388	1975	4.47800	37.8
## 5506	Jamaica	388	1977	4.11500	35.6
## 5508	Jamaica	388	1979	3.83900	33.8
## 5510	Jamaica	388	1981	3.64300	32.1
## 5512	Jamaica	388	1983	3.47700	30.5
## 5514	Jamaica	388	1985	3.30800	29.0
## 5516	Jamaica	388	1987	3.14200	27.5
## 5518	Jamaica	388	1989	3.00300	26.1
## 5520	Jamaica	388	1991	2.89900	24.7
## 5522	Jamaica	388	1993	2.82600	23.3
## 5524	Jamaica	388	1995	2.76800	21.9
## 5526	Jamaica	388	1997	2.70400	20.5
## 5528	Jamaica	388	1999	2.62300	19.3
## 5530	Jamaica	388	2001	2.52900	18.2
## 5532	Jamaica	388	2003	2.43900	17.4
## 5534	Jamaica	388	2005	2.36100	16.9
## 5536	Jamaica	388	2007	2.28900	16.5
## 5538	Jamaica	388	2009	2.21300	15.9
## 5540	Jamaica	388	2011	2.13600	15.1
## 5542	Jamaica	388	2013	2.07200	14.4
## 5544	Jamaica	388	2015	2.02500	13.5
## 5546	Japan	392	1951	3.59200	53.6
## 5548	Japan	392	1953	3.27600	46.6
## 5550	Japan	392	1955	2.96000	41.4
## 5552	Japan	392	1957	2.64400	37.2
## 5554	Japan	392	1959	2.32800	32.9
## 5556	Japan	392	1961	2.05000	27.9
## 5558	Japan	392	1963	2.02000	23.2
## 5560	Japan	392	1965	2.13900	19.1
## 5562	Japan	392	1967	2.02000	16.3
## 5564	Japan	392	1969	2.13000	14.2
## 5566	Japan	392	1971	2.16000	12.6
## 5568	Japan	392	1973	2.14000	11.3
## 5570	Japan	392	1975	1.90900	10.0
## 5572	Japan	392	1977	1.80000	8.8
## 5574	Japan	392	1979	1.77000	7.9
## 5576	Japan	392	1981	1.74000	6.9
## 5578	Japan	392	1983	1.80000	6.2
## 5580	Japan	392	1985	1.76000	5.5
## 5582	Japan	392	1987	1.69000	5.0
## 5584	Japan	392	1989	1.57000	4.7
## 5586	Japan	392	1991	1.53000	4.5
## 5588	Japan	392	1993	1.45800	4.3
## 5590	Japan	392	1995	1.42200	4.1
## 5592	Japan	392	1997	1.38800	3.8
## 5594	Japan	392	1999	1.34200	3.4

## 5596	Japan	392	2001	1.33000	3.1
## 5598	Japan	392	2003	1.29000	2.9
## 5600	Japan	392	2005	1.26000	2.7
## 5602	Japan	392	2007	1.34000	2.6
## 5604	Japan	392	2009	1.37000	2.4
## 5606	Japan	392	2011	1.39000	2.3
## 5608	Japan	392	2013	1.43000	2.1
## 5610	Japan	392	2015	1.46000	2.0
## 5612	Jordan	400	1951	7.38000	174.1
## 5614	Jordan	400	1953	7.38000	156.3
## 5616	Jordan	400	1955	7.38000	140.5
## 5618	Jordan	400	1957	7.38000	126.0
## 5620	Jordan	400	1959	7.38000	113.3
## 5622	Jordan	400	1961	7.80200	101.9
## 5624	Jordan	400	1963	7.98300	91.6
## 5626	Jordan	400	1965	8.05700	82.8
## 5628	Jordan	400	1967	8.03300	75.2
## 5630	Jordan	400	1969	7.96800	68.6
## 5632	Jordan	400	1971	7.87600	62.9
## 5634	Jordan	400	1973	7.75000	57.8
## 5636	Jordan	400	1975	7.59800	53.3
## 5638	Jordan	400	1977	7.45500	49.1
## 5640	Jordan	400	1979	7.32900	45.3
## 5642	Jordan	400	1981	7.17800	41.8
## 5644	Jordan	400	1983	6.93500	38.6
## 5646	Jordan	400	1985	6.58100	35.7
## 5648	Jordan	400	1987	6.15700	33.1
## 5650	Jordan	400	1989	5.73400	30.9
## 5652	Jordan	400	1991	5.34900	29.1
## 5654	Jordan	400	1993	4.99700	27.5
## 5656	Jordan	400	1995	4.67700	26.2
## 5658	Jordan	400	1997	4.39600	24.9
## 5660	Jordan	400	1999	4.15800	23.8
## 5662	Jordan	400	2001	3.96400	22.6
## 5664	Jordan	400	2003	3.80900	21.5
## 5666	Jordan	400	2005	3.69000	20.4
## 5668	Jordan	400	2007	3.61300	19.3
## 5670	Jordan	400	2009	3.57000	18.3
## 5672	Jordan	400	2011	3.53300	17.3
## 5674	Jordan	400	2013	3.46800	16.3
## 5676	Jordan	400	2015	3.36600	15.4
## 5678	Kazakhstan	398	1951	4.28680	NA
## 5680	Kazakhstan	398	1953	4.34640	NA
## 5682	Kazakhstan	398	1955	4.40600	NA
## 5684	Kazakhstan	398	1957	4.46560	NA
## 5686	Kazakhstan	398	1959	4.52520	NA
## 5688	Kazakhstan	398	1961	4.51400	NA
## 5690	Kazakhstan	398	1963	4.33100	NA
## 5692	Kazakhstan	398	1965	4.05900	NA
## 5694	Kazakhstan	398	1967	3.79000	NA
## 5696	Kazakhstan	398	1969	3.60000	NA
## 5698	Kazakhstan	398	1971	3.48900	68.2
## 5700	Kazakhstan	398	1973	3.38500	65.6
## 5702	Kazakhstan	398	1975	3.24900	63.4

## 5704	Kazakhstan	398	1977	3.10600	61.4
## 5706	Kazakhstan	398	1979	3.01900	59.2
## 5708	Kazakhstan	398	1981	2.95000	56.3
## 5710	Kazakhstan	398	1983	3.04000	53.0
## 5712	Kazakhstan	398	1985	3.08000	49.9
## 5714	Kazakhstan	398	1987	3.19000	47.1
## 5716	Kazakhstan	398	1989	2.82000	45.2
## 5718	Kazakhstan	398	1991	2.61000	44.5
## 5720	Kazakhstan	398	1993	2.30000	44.9
## 5722	Kazakhstan	398	1995	2.26000	44.8
## 5724	Kazakhstan	398	1997	2.00000	42.7
## 5726	Kazakhstan	398	1999	1.70000	39.4
## 5728	Kazakhstan	398	2001	1.90000	35.7
## 5730	Kazakhstan	398	2003	2.03000	32.1
## 5732	Kazakhstan	398	2005	2.22000	28.6
## 5734	Kazakhstan	398	2007	2.50000	24.8
## 5736	Kazakhstan	398	2009	2.55000	21.1
## 5738	Kazakhstan	398	2011	2.59000	17.5
## 5740	Kazakhstan	398	2013	2.64000	14.6
## 5742	Kazakhstan	398	2015	2.73000	12.6
## 5744	Kenya	404	1951	7.23780	NA
## 5746	Kenya	404	1953	7.35940	170.3
## 5748	Kenya	404	1955	7.48100	151.7
## 5750	Kenya	404	1957	7.60260	136.1
## 5752	Kenya	404	1959	7.72420	123.8
## 5754	Kenya	404	1961	7.99800	114.0
## 5756	Kenya	404	1963	8.07800	106.5
## 5758	Kenya	404	1965	8.11900	101.2
## 5760	Kenya	404	1967	8.12500	97.1
## 5762	Kenya	404	1969	8.10300	93.3
## 5764	Kenya	404	1971	8.05100	89.3
## 5766	Kenya	404	1973	7.96300	85.2
## 5768	Kenya	404	1975	7.84000	80.7
## 5770	Kenya	404	1977	7.69500	76.0
## 5772	Kenya	404	1979	7.53800	71.5
## 5774	Kenya	404	1981	7.36600	67.5
## 5776	Kenya	404	1983	7.16500	64.4
## 5778	Kenya	404	1985	6.91800	62.7
## 5780	Kenya	404	1987	6.60200	62.7
## 5782	Kenya	404	1989	6.23100	64.5
## 5784	Kenya	404	1991	5.84700	67.4
## 5786	Kenya	404	1993	5.50600	70.4
## 5788	Kenya	404	1995	5.25100	71.9
## 5790	Kenya	404	1997	5.10200	71.1
## 5792	Kenya	404	1999	5.03000	68.4
## 5794	Kenya	404	2001	5.00000	64.5
## 5796	Kenya	404	2003	4.97500	59.7
## 5798	Kenya	404	2005	4.92100	54.3
## 5800	Kenya	404	2007	4.82500	49.5
## 5802	Kenya	404	2009	4.70000	44.3
## 5804	Kenya	404	2011	4.55600	40.3
## 5806	Kenya	404	2013	4.40600	38.0
## 5808	Kenya	404	2015	4.26300	35.5
## 5810	Kiribati	296	1951	5.70000	NA



## 5812	Kiribati	296	1953	5.90000	NA
## 5814	Kiribati	296	1955	6.10000	NA
## 5816	Kiribati	296	1957	6.30000	NA
## 5818	Kiribati	296	1959	6.50000	NA
## 5820	Kiribati	296	1961	6.80300	NA
## 5822	Kiribati	296	1963	6.72800	122.2
## 5824	Kiribati	296	1965	6.50100	113.9
## 5826	Kiribati	296	1967	6.12500	106.5
## 5828	Kiribati	296	1969	5.67300	100.0
## 5830	Kiribati	296	1971	5.27300	94.8
## 5832	Kiribati	296	1973	5.03400	90.8
## 5834	Kiribati	296	1975	4.97800	88.5
## 5836	Kiribati	296	1977	5.03100	87.2
## 5838	Kiribati	296	1979	5.07200	86.5
## 5840	Kiribati	296	1981	5.05100	85.7
## 5842	Kiribati	296	1983	4.98800	84.2
## 5844	Kiribati	296	1985	4.91200	81.4
## 5846	Kiribati	296	1987	4.82900	77.2
## 5848	Kiribati	296	1989	4.73800	72.0
## 5850	Kiribati	296	1991	4.63500	67.0
## 5852	Kiribati	296	1993	4.51200	63.2
## 5854	Kiribati	296	1995	4.37400	60.3
## 5856	Kiribati	296	1997	4.23500	57.5
## 5858	Kiribati	296	1999	4.11000	54.6
## 5860	Kiribati	296	2001	4.01500	51.9
## 5862	Kiribati	296	2003	3.95000	50.1
## 5864	Kiribati	296	2005	3.90900	49.5
## 5866	Kiribati	296	2007	3.88300	49.5
## 5868	Kiribati	296	2009	3.85900	48.9
## 5870	Kiribati	296	2011	3.82200	47.5
## 5872	Kiribati	296	2013	3.76500	45.6
## 5874	Kiribati	296	2015	3.69000	43.6
## 5876	Korea, Dem. People\xa1\xafs Rep.	408	1951	2.13800	NA
## 5878	Korea, Dem. People\xa1\xafs Rep.	408	1953	2.80000	NA
## 5880	Korea, Dem. People\xa1\xafs Rep.	408	1955	3.46200	NA
## 5882	Korea, Dem. People\xa1\xafs Rep.	408	1957	4.12400	NA
## 5884	Korea, Dem. People\xa1\xafs Rep.	408	1959	4.78600	NA
## 5886	Korea, Dem. People\xa1\xafs Rep.	408	1961	4.35700	NA
## 5888	Korea, Dem. People\xa1\xafs Rep.	408	1963	4.05700	NA
## 5890	Korea, Dem. People\xa1\xafs Rep.	408	1965	4.06400	NA
## 5892	Korea, Dem. People\xa1\xafs Rep.	408	1967	4.26200	NA
## 5894	Korea, Dem. People\xa1\xafs Rep.	408	1969	4.36400	NA
## 5896	Korea, Dem. People\xa1\xafs Rep.	408	1971	4.21400	NA
## 5898	Korea, Dem. People\xa1\xafs Rep.	408	1973	3.81600	NA
## 5900	Korea, Dem. People\xa1\xafs Rep.	408	1975	3.30700	NA
## 5902	Korea, Dem. People\xa1\xafs Rep.	408	1977	2.88900	NA
## 5904	Korea, Dem. People\xa1\xafs Rep.	408	1979	2.69300	NA
## 5906	Korea, Dem. People\xa1\xafs Rep.	408	1981	2.68700	NA
## 5908	Korea, Dem. People\xa1\xafs Rep.	408	1983	2.69000	NA
## 5910	Korea, Dem. People\xa1\xafs Rep.	408	1985	2.59300	27.7
## 5912	Korea, Dem. People\xa1\xafs Rep.	408	1987	2.43800	27.8
## 5914	Korea, Dem. People\xa1\xafs Rep.	408	1989	2.32500	30.7
## 5916	Korea, Dem. People\xa1\xafs Rep.	408	1991	2.26200	36.9
## 5918	Korea, Dem. People\xa1\xafs Rep.	408	1993	2.20200	45.5

## 5920	Korea, Dem. People\	408	1995	2.12100	53.2
## 5922	Korea, Dem. People\	408	1997	2.04200	55.0
## 5924	Korea, Dem. People\	408	1999	1.99900	49.4
## 5926	Korea, Dem. People\	408	2001	1.99200	39.1
## 5928	Korea, Dem. People\	408	2003	2.00000	30.2
## 5930	Korea, Dem. People\	408	2005	2.00500	26.2
## 5932	Korea, Dem. People\	408	2007	2.00500	25.8
## 5934	Korea, Dem. People\	408	2009	2.00400	25.4
## 5936	Korea, Dem. People\	408	2011	2.00000	23.8
## 5938	Korea, Dem. People\	408	2013	1.98800	21.7
## 5940	Korea, Dem. People\	408	2015	1.96800	19.7
## 5942	Korea, Rep.	410	1951	5.10980	222.0
## 5944	Korea, Rep.	410	1953	5.38140	159.1
## 5946	Korea, Rep.	410	1955	5.65300	121.2
## 5948	Korea, Rep.	410	1957	5.92460	98.8
## 5950	Korea, Rep.	410	1959	6.19620	85.1
## 5952	Korea, Rep.	410	1961	5.98900	76.1
## 5954	Korea, Rep.	410	1963	5.57400	68.8
## 5956	Korea, Rep.	410	1965	5.15700	61.6
## 5958	Korea, Rep.	410	1967	4.84500	54.0
## 5960	Korea, Rep.	410	1969	4.62400	45.7
## 5962	Korea, Rep.	410	1971	4.54000	37.3
## 5964	Korea, Rep.	410	1973	4.07000	29.5
## 5966	Korea, Rep.	410	1975	3.43000	22.8
## 5968	Korea, Rep.	410	1977	2.99000	17.4
## 5970	Korea, Rep.	410	1979	2.90000	13.7
## 5972	Korea, Rep.	410	1981	2.57000	11.3
## 5974	Korea, Rep.	410	1983	2.06000	9.8
## 5976	Korea, Rep.	410	1985	1.66000	8.5
## 5978	Korea, Rep.	410	1987	1.53000	7.4
## 5980	Korea, Rep.	410	1989	1.56000	6.5
## 5982	Korea, Rep.	410	1991	1.71000	5.8
## 5984	Korea, Rep.	410	1993	1.65400	5.2
## 5986	Korea, Rep.	410	1995	1.63400	4.7
## 5988	Korea, Rep.	410	1997	1.52000	4.5
## 5990	Korea, Rep.	410	1999	1.41000	4.9
## 5992	Korea, Rep.	410	2001	1.29700	5.5
## 5994	Korea, Rep.	410	2003	1.18000	5.4
## 5996	Korea, Rep.	410	2005	1.07600	4.8
## 5998	Korea, Rep.	410	2007	1.25000	4.1
## 6000	Korea, Rep.	410	2009	1.14900	3.7
## 6002	Korea, Rep.	410	2011	1.24400	3.4
## 6004	Korea, Rep.	410	2013	1.18700	3.2
## 6006	Korea, Rep.	410	2015	1.23900	2.9
## 6008	Kuwait	414	1951	7.20000	NA
## 6010	Kuwait	414	1953	7.20000	NA
## 6012	Kuwait	414	1955	7.20000	NA
## 6014	Kuwait	414	1957	7.20000	NA
## 6016	Kuwait	414	1959	7.20000	108.3
## 6018	Kuwait	414	1961	7.27000	95.2
## 6020	Kuwait	414	1963	7.33600	83.3
## 6022	Kuwait	414	1965	7.39400	72.6
## 6024	Kuwait	414	1967	7.40600	63.7
## 6026	Kuwait	414	1969	7.33800	56.6

## 6028	Kuwait	414	1971	7.15500	50.6
## 6030	Kuwait	414	1973	6.85100	45.3
## 6032	Kuwait	414	1975	6.46400	40.5
## 6034	Kuwait	414	1977	6.06800	36.0
## 6036	Kuwait	414	1979	5.69900	31.8
## 6038	Kuwait	414	1981	5.29500	27.4
## 6040	Kuwait	414	1983	4.74600	23.0
## 6042	Kuwait	414	1985	4.05900	19.7
## 6044	Kuwait	414	1987	3.34900	17.6
## 6046	Kuwait	414	1989	2.78200	16.1
## 6048	Kuwait	414	1991	2.48700	15.3
## 6050	Kuwait	414	1993	2.48600	13.5
## 6052	Kuwait	414	1995	2.66800	12.7
## 6054	Kuwait	414	1997	2.85100	11.9
## 6056	Kuwait	414	1999	2.89000	11.1
## 6058	Kuwait	414	2001	2.77800	10.7
## 6060	Kuwait	414	2003	2.64800	10.4
## 6062	Kuwait	414	2005	2.57700	10.1
## 6064	Kuwait	414	2007	2.52500	9.8
## 6066	Kuwait	414	2009	2.42300	9.5
## 6068	Kuwait	414	2011	2.27900	8.9
## 6070	Kuwait	414	2013	2.15000	8.1
## 6072	Kuwait	414	2015	2.07200	7.3
## 6074	Kyrgyz Republic	417	1951	3.68982	NA
## 6076	Kyrgyz Republic	417	1953	4.02526	NA
## 6078	Kyrgyz Republic	417	1955	4.36070	NA
## 6080	Kyrgyz Republic	417	1957	4.69614	NA
## 6082	Kyrgyz Republic	417	1959	5.03158	NA
## 6084	Kyrgyz Republic	417	1961	5.25500	NA
## 6086	Kyrgyz Republic	417	1963	5.33500	NA
## 6088	Kyrgyz Republic	417	1965	5.26600	NA
## 6090	Kyrgyz Republic	417	1967	5.11200	NA
## 6092	Kyrgyz Republic	417	1969	4.96100	NA
## 6094	Kyrgyz Republic	417	1971	4.81500	NA
## 6096	Kyrgyz Republic	417	1973	4.61500	NA
## 6098	Kyrgyz Republic	417	1975	4.36500	87.9
## 6100	Kyrgyz Republic	417	1977	4.15000	84.5
## 6102	Kyrgyz Republic	417	1979	4.04400	80.9
## 6104	Kyrgyz Republic	417	1981	4.04600	76.4
## 6106	Kyrgyz Republic	417	1983	4.08600	70.7
## 6108	Kyrgyz Republic	417	1985	4.09300	64.4
## 6110	Kyrgyz Republic	417	1987	4.03900	58.7
## 6112	Kyrgyz Republic	417	1989	3.87500	54.9
## 6114	Kyrgyz Republic	417	1991	3.58000	53.8
## 6116	Kyrgyz Republic	417	1993	3.20000	53.3
## 6118	Kyrgyz Republic	417	1995	3.10000	51.3
## 6120	Kyrgyz Republic	417	1997	2.60000	47.5
## 6122	Kyrgyz Republic	417	1999	2.60000	43.5
## 6124	Kyrgyz Republic	417	2001	2.40000	39.8
## 6126	Kyrgyz Republic	417	2003	2.50000	36.7
## 6128	Kyrgyz Republic	417	2005	2.50000	34.2
## 6130	Kyrgyz Republic	417	2007	2.70000	31.7
## 6132	Kyrgyz Republic	417	2009	2.90000	28.4
## 6134	Kyrgyz Republic	417	2011	3.10000	24.6

## 6136	Kyrgyz Republic	417	2013	3.10000	21.4
## 6138	Kyrgyz Republic	417	2015	3.20000	19.0
## 6140	Lao PDR	418	1951	5.93360	NA
## 6142	Lao PDR	418	1953	5.93840	NA
## 6144	Lao PDR	418	1955	5.94320	NA
## 6146	Lao PDR	418	1957	5.94800	NA
## 6148	Lao PDR	418	1959	5.95280	NA
## 6150	Lao PDR	418	1961	5.96400	NA
## 6152	Lao PDR	418	1963	5.96900	NA
## 6154	Lao PDR	418	1965	5.97300	NA
## 6156	Lao PDR	418	1967	5.97300	NA
## 6158	Lao PDR	418	1969	5.97200	NA
## 6160	Lao PDR	418	1971	5.97900	NA
## 6162	Lao PDR	418	1973	6.00600	NA
## 6164	Lao PDR	418	1975	6.05900	NA
## 6166	Lao PDR	418	1977	6.13900	NA
## 6168	Lao PDR	418	1979	6.23300	137.1
## 6170	Lao PDR	418	1981	6.31500	132.3
## 6172	Lao PDR	418	1983	6.36300	127.7
## 6174	Lao PDR	418	1985	6.36100	123.0
## 6176	Lao PDR	418	1987	6.31300	118.4
## 6178	Lao PDR	418	1989	6.22200	113.6
## 6180	Lao PDR	418	1991	6.05400	108.6
## 6182	Lao PDR	418	1993	5.77200	103.1
## 6184	Lao PDR	418	1995	5.38400	97.4
## 6186	Lao PDR	418	1997	4.93600	91.5
## 6188	Lao PDR	418	1999	4.49800	86.0
## 6190	Lao PDR	418	2001	4.13200	80.5
## 6192	Lao PDR	418	2003	3.85700	75.2
## 6194	Lao PDR	418	2005	3.66000	70.2
## 6196	Lao PDR	418	2007	3.51100	65.5
## 6198	Lao PDR	418	2009	3.36800	61.0
## 6200	Lao PDR	418	2011	3.21500	57.1
## 6202	Lao PDR	418	2013	3.06300	53.7
## 6204	Lao PDR	418	2015	2.92300	50.7
## 6206	Latvia	428	1951	2.04000	NA
## 6208	Latvia	428	1953	2.02000	NA
## 6210	Latvia	428	1955	2.00000	NA
## 6212	Latvia	428	1957	1.98000	NA
## 6214	Latvia	428	1959	1.96000	NA
## 6216	Latvia	428	1961	1.94000	NA
## 6218	Latvia	428	1963	1.85000	NA
## 6220	Latvia	428	1965	1.74000	NA
## 6222	Latvia	428	1967	1.80000	NA
## 6224	Latvia	428	1969	1.88000	NA
## 6226	Latvia	428	1971	2.00000	NA
## 6228	Latvia	428	1973	1.98000	NA
## 6230	Latvia	428	1975	1.96000	NA
## 6232	Latvia	428	1977	1.89000	NA
## 6234	Latvia	428	1979	1.87000	19.4
## 6236	Latvia	428	1981	1.88000	19.4
## 6238	Latvia	428	1983	2.07000	18.7
## 6240	Latvia	428	1985	2.08000	16.8
## 6242	Latvia	428	1987	2.15000	15.0

## 6244	Latvia	428	1989	2.05000	15.4
## 6246	Latvia	428	1991	1.86000	18.0
## 6248	Latvia	428	1993	1.51000	19.6
## 6250	Latvia	428	1995	1.25000	19.7
## 6252	Latvia	428	1997	1.11000	18.1
## 6254	Latvia	428	1999	1.16000	15.7
## 6256	Latvia	428	2001	1.22000	13.6
## 6258	Latvia	428	2003	1.32000	12.2
## 6260	Latvia	428	2005	1.39000	10.7
## 6262	Latvia	428	2007	1.54000	9.6
## 6264	Latvia	428	2009	1.46000	8.6
## 6266	Latvia	428	2011	1.33000	7.8
## 6268	Latvia	428	2013	1.52000	7.4
## 6270	Latvia	428	2015	1.64000	6.9
## 6272	Lebanon	422	1951	5.75600	NA
## 6274	Lebanon	422	1953	5.74800	NA
## 6276	Lebanon	422	1955	5.74000	NA
## 6278	Lebanon	422	1957	5.73200	62.7
## 6280	Lebanon	422	1959	5.72400	59.3
## 6282	Lebanon	422	1961	5.72400	56.1
## 6284	Lebanon	422	1963	5.64700	53.4
## 6286	Lebanon	422	1965	5.50100	51.4
## 6288	Lebanon	422	1967	5.29500	49.8
## 6290	Lebanon	422	1969	5.06400	48.6
## 6292	Lebanon	422	1971	4.83600	47.6
## 6294	Lebanon	422	1973	4.62900	46.6
## 6296	Lebanon	422	1975	4.44400	45.4
## 6298	Lebanon	422	1977	4.27100	43.6
## 6300	Lebanon	422	1979	4.09200	41.5
## 6302	Lebanon	422	1981	3.89800	39.1
## 6304	Lebanon	422	1983	3.69200	36.4
## 6306	Lebanon	422	1985	3.48200	33.6
## 6308	Lebanon	422	1987	3.27900	30.8
## 6310	Lebanon	422	1989	3.09000	28.2
## 6312	Lebanon	422	1991	2.91900	25.8
## 6314	Lebanon	422	1993	2.76500	23.7
## 6316	Lebanon	422	1995	2.61700	21.8
## 6318	Lebanon	422	1997	2.46800	19.9
## 6320	Lebanon	422	1999	2.31000	18.1
## 6322	Lebanon	422	2001	2.13400	16.1
## 6324	Lebanon	422	2003	1.93800	14.1
## 6326	Lebanon	422	2005	1.75000	12.1
## 6328	Lebanon	422	2007	1.62700	10.4
## 6330	Lebanon	422	2009	1.59800	9.2
## 6332	Lebanon	422	2011	1.64100	8.3
## 6334	Lebanon	422	2013	1.69700	7.6
## 6336	Lebanon	422	2015	1.72200	7.1
## 6338	Lesotho	426	1951	5.82320	NA
## 6340	Lesotho	426	1953	5.83160	166.6
## 6342	Lesotho	426	1955	5.84000	157.6
## 6344	Lesotho	426	1957	5.84840	150.1
## 6346	Lesotho	426	1959	5.85680	144.9
## 6348	Lesotho	426	1961	5.82900	142.3
## 6350	Lesotho	426	1963	5.81200	141.5

## 6352	Lesotho	426	1965	5.80200	140.9
## 6354	Lesotho	426	1967	5.80300	138.9
## 6356	Lesotho	426	1969	5.80700	134.5
## 6358	Lesotho	426	1971	5.80700	128.7
## 6360	Lesotho	426	1973	5.79400	122.0
## 6362	Lesotho	426	1975	5.76100	114.6
## 6364	Lesotho	426	1977	5.70600	106.2
## 6366	Lesotho	426	1979	5.63300	97.6
## 6368	Lesotho	426	1981	5.54200	89.5
## 6370	Lesotho	426	1983	5.43600	82.7
## 6372	Lesotho	426	1985	5.31300	77.4
## 6374	Lesotho	426	1987	5.16900	73.7
## 6376	Lesotho	426	1989	5.00400	71.4
## 6378	Lesotho	426	1991	4.83700	70.6
## 6380	Lesotho	426	1993	4.68600	72.3
## 6382	Lesotho	426	1995	4.54800	76.6
## 6384	Lesotho	426	1997	4.39400	80.5
## 6386	Lesotho	426	1999	4.20000	83.0
## 6388	Lesotho	426	2001	3.97200	85.2
## 6390	Lesotho	426	2003	3.74400	87.3
## 6392	Lesotho	426	2005	3.54800	88.1
## 6394	Lesotho	426	2007	3.41200	84.3
## 6396	Lesotho	426	2009	3.33000	78.8
## 6398	Lesotho	426	2011	3.27800	71.9
## 6400	Lesotho	426	2013	3.22200	71.9
## 6402	Lesotho	426	2015	3.14200	69.2
## 6404	Liberia	430	1951	6.20836	NA
## 6406	Liberia	430	1953	6.23988	NA
## 6408	Liberia	430	1955	6.27140	NA
## 6410	Liberia	430	1957	6.30292	210.5
## 6412	Liberia	430	1959	6.33444	211.6
## 6414	Liberia	430	1961	6.42900	212.1
## 6416	Liberia	430	1963	6.47600	210.4
## 6418	Liberia	430	1965	6.52400	206.8
## 6420	Liberia	430	1967	6.58300	201.7
## 6422	Liberia	430	1969	6.65500	194.9
## 6424	Liberia	430	1971	6.73600	187.8
## 6426	Liberia	430	1973	6.81500	181.0
## 6428	Liberia	430	1975	6.88000	174.2
## 6430	Liberia	430	1977	6.93000	168.3
## 6432	Liberia	430	1979	6.96400	163.1
## 6434	Liberia	430	1981	6.97300	158.7
## 6436	Liberia	430	1983	6.94600	156.1
## 6438	Liberia	430	1985	6.87500	156.7
## 6440	Liberia	430	1987	6.75200	161.5
## 6442	Liberia	430	1989	6.58700	167.7
## 6444	Liberia	430	1991	6.41400	171.2
## 6446	Liberia	430	1993	6.26700	167.8
## 6448	Liberia	430	1995	6.15600	158.3
## 6450	Liberia	430	1997	6.06100	145.2
## 6452	Liberia	430	1999	5.94800	130.6
## 6454	Liberia	430	2001	5.80400	115.6
## 6456	Liberia	430	2003	5.63500	101.0
## 6458	Liberia	430	2005	5.45600	87.6

## 6460	Liberia	430	2007	5.27700	76.9
## 6462	Liberia	430	2009	5.10500	68.6
## 6464	Liberia	430	2011	4.94500	62.1
## 6466	Liberia	430	2013	4.79300	56.9
## 6468	Liberia	430	2015	4.64700	52.8
## 6470	Libya	434	1951	7.09812	NA
## 6472	Libya	434	1953	7.12076	NA
## 6474	Libya	434	1955	7.14340	NA
## 6476	Libya	434	1957	7.16604	NA
## 6478	Libya	434	1959	7.18868	173.4
## 6480	Libya	434	1961	7.24300	156.1
## 6482	Libya	434	1963	7.40200	140.9
## 6484	Libya	434	1965	7.64700	126.6
## 6486	Libya	434	1967	7.90500	113.3
## 6488	Libya	434	1969	8.08700	101.4
## 6490	Libya	434	1971	8.14700	90.9
## 6492	Libya	434	1973	8.10200	81.3
## 6494	Libya	434	1975	7.97000	72.8
## 6496	Libya	434	1977	7.73600	65.6
## 6498	Libya	434	1979	7.40800	59.6
## 6500	Libya	434	1981	7.02300	54.6
## 6502	Libya	434	1983	6.63000	49.9
## 6504	Libya	434	1985	6.23500	45.5
## 6506	Libya	434	1987	5.78800	41.3
## 6508	Libya	434	1989	5.25300	37.3
## 6510	Libya	434	1991	4.66700	33.8
## 6512	Libya	434	1993	4.11300	30.8
## 6514	Libya	434	1995	3.65600	28.4
## 6516	Libya	434	1997	3.30700	26.5
## 6518	Libya	434	1999	3.03800	24.9
## 6520	Libya	434	2001	2.84500	23.4
## 6522	Libya	434	2003	2.73100	21.9
## 6524	Libya	434	2005	2.67500	19.8
## 6526	Libya	434	2007	2.65000	17.3
## 6528	Libya	434	2009	2.62400	15.1
## 6530	Libya	434	2011	2.57600	13.9
## 6532	Libya	434	2013	2.50700	12.4
## 6534	Libya	434	2015	2.42600	11.4
## 6536	Lithuania	440	1951	2.98400	NA
## 6538	Lithuania	440	1953	2.91200	NA
## 6540	Lithuania	440	1955	2.84000	NA
## 6542	Lithuania	440	1957	2.76800	NA
## 6544	Lithuania	440	1959	2.69600	NA
## 6546	Lithuania	440	1961	2.53000	NA
## 6548	Lithuania	440	1963	2.35000	NA
## 6550	Lithuania	440	1965	2.23000	NA
## 6552	Lithuania	440	1967	2.23000	24.1
## 6554	Lithuania	440	1969	2.30000	22.1
## 6556	Lithuania	440	1971	2.41000	18.9
## 6558	Lithuania	440	1973	2.22000	18.9
## 6560	Lithuania	440	1975	2.18000	20.2
## 6562	Lithuania	440	1977	2.14000	19.7
## 6564	Lithuania	440	1979	2.05000	18.8
## 6566	Lithuania	440	1981	1.98000	17.6

## 6568	Lithuania	440	1983	2.10000	16.6
## 6570	Lithuania	440	1985	2.08000	15.4
## 6572	Lithuania	440	1987	2.11000	13.6
## 6574	Lithuania	440	1989	1.98000	12.5
## 6576	Lithuania	440	1991	2.01000	14.9
## 6578	Lithuania	440	1993	1.74000	16.0
## 6580	Lithuania	440	1995	1.55000	13.5
## 6582	Lithuania	440	1997	1.47000	11.0
## 6584	Lithuania	440	1999	1.46000	10.0
## 6586	Lithuania	440	2001	1.29000	9.2
## 6588	Lithuania	440	2003	1.26000	8.7
## 6590	Lithuania	440	2005	1.29000	8.1
## 6592	Lithuania	440	2007	1.36000	7.2
## 6594	Lithuania	440	2009	1.50000	6.1
## 6596	Lithuania	440	2011	1.55000	5.0
## 6598	Lithuania	440	2013	1.59000	4.0
## 6600	Lithuania	440	2015	1.63000	3.3
## 6602	Luxembourg	442	1951	1.78000	NA
## 6604	Luxembourg	442	1953	1.88000	NA
## 6606	Luxembourg	442	1955	1.98000	NA
## 6608	Luxembourg	442	1957	2.08000	NA
## 6610	Luxembourg	442	1959	2.18000	NA
## 6612	Luxembourg	442	1961	2.26300	NA
## 6614	Luxembourg	442	1963	2.32900	NA
## 6616	Luxembourg	442	1965	2.39500	24.4
## 6618	Luxembourg	442	1967	2.31380	22.4
## 6620	Luxembourg	442	1969	2.23260	20.3
## 6622	Luxembourg	442	1971	2.09800	18.1
## 6624	Luxembourg	442	1973	1.91000	16.1
## 6626	Luxembourg	442	1975	1.72200	14.2
## 6628	Luxembourg	442	1977	1.62760	12.8
## 6630	Luxembourg	442	1979	1.53320	11.7
## 6632	Luxembourg	442	1981	1.48180	10.9
## 6634	Luxembourg	442	1983	1.47340	10.1
## 6636	Luxembourg	442	1985	1.46500	9.4
## 6638	Luxembourg	442	1987	1.46660	8.5
## 6640	Luxembourg	442	1989	1.46820	7.7
## 6642	Luxembourg	442	1991	1.50780	6.8
## 6644	Luxembourg	442	1993	1.58540	6.0
## 6646	Luxembourg	442	1995	1.66300	5.2
## 6648	Luxembourg	442	1997	1.68632	4.6
## 6650	Luxembourg	442	1999	1.70964	4.1
## 6652	Luxembourg	442	2001	1.70784	3.7
## 6654	Luxembourg	442	2003	1.68092	3.3
## 6656	Luxembourg	442	2005	1.65400	2.8
## 6658	Luxembourg	442	2007	1.64064	2.4
## 6660	Luxembourg	442	2009	1.62728	2.0
## 6662	Luxembourg	442	2011	1.60572	1.8
## 6664	Luxembourg	442	2013	1.57596	1.6
## 6666	Luxembourg	442	2015	1.54620	1.5
## 6668	Macao SAR, China	446	1951	4.04644	NA
## 6670	Macao SAR, China	446	1953	4.21612	NA
## 6672	Macao SAR, China	446	1955	4.38580	NA
## 6674	Macao SAR, China	446	1957	4.55548	NA



## 6676	Macao SAR, China	446	1959	4.72516	NA
## 6678	Macao SAR, China	446	1961	4.76300	NA
## 6680	Macao SAR, China	446	1963	4.24200	NA
## 6682	Macao SAR, China	446	1965	3.59400	NA
## 6684	Macao SAR, China	446	1967	2.94200	NA
## 6686	Macao SAR, China	446	1969	2.38800	NA
## 6688	Macao SAR, China	446	1971	1.98000	NA
## 6690	Macao SAR, China	446	1973	1.68300	NA
## 6692	Macao SAR, China	446	1975	1.48400	NA
## 6694	Macao SAR, China	446	1977	1.44100	NA
## 6696	Macao SAR, China	446	1979	1.56300	NA
## 6698	Macao SAR, China	446	1981	1.77700	NA
## 6700	Macao SAR, China	446	1983	1.96600	NA
## 6702	Macao SAR, China	446	1985	2.04000	NA
## 6704	Macao SAR, China	446	1987	1.96600	NA
## 6706	Macao SAR, China	446	1989	1.79800	NA
## 6708	Macao SAR, China	446	1991	1.58900	NA
## 6710	Macao SAR, China	446	1993	1.39400	NA
## 6712	Macao SAR, China	446	1995	1.24200	NA
## 6714	Macao SAR, China	446	1997	1.11900	NA
## 6716	Macao SAR, China	446	1999	0.99600	NA
## 6718	Macao SAR, China	446	2001	0.88900	NA
## 6720	Macao SAR, China	446	2003	0.83100	NA
## 6722	Macao SAR, China	446	2005	0.84000	NA
## 6724	Macao SAR, China	446	2007	0.90900	NA
## 6726	Macao SAR, China	446	2009	1.00900	NA
## 6728	Macao SAR, China	446	2011	1.11200	NA
## 6730	Macao SAR, China	446	2013	1.20400	NA
## 6732	Macao SAR, China	446	2015	1.27600	NA
## 6734	Macedonia, FYR	807	1951	5.78864	NA
## 6736	Macedonia, FYR	807	1953	5.42292	NA
## 6738	Macedonia, FYR	807	1955	5.05720	NA
## 6740	Macedonia, FYR	807	1957	4.69148	NA
## 6742	Macedonia, FYR	807	1959	4.32576	NA
## 6744	Macedonia, FYR	807	1961	3.75800	NA
## 6746	Macedonia, FYR	807	1963	3.63800	NA
## 6748	Macedonia, FYR	807	1965	3.55200	NA
## 6750	Macedonia, FYR	807	1967	3.43900	NA
## 6752	Macedonia, FYR	807	1969	3.26500	NA
## 6754	Macedonia, FYR	807	1971	3.04400	NA
## 6756	Macedonia, FYR	807	1973	2.82800	NA
## 6758	Macedonia, FYR	807	1975	2.66300	NA
## 6760	Macedonia, FYR	807	1977	2.56200	NA
## 6762	Macedonia, FYR	807	1979	2.50500	NA
## 6764	Macedonia, FYR	807	1981	2.46800	51.6
## 6766	Macedonia, FYR	807	1983	2.42600	48.3
## 6768	Macedonia, FYR	807	1985	2.36800	45.0
## 6770	Macedonia, FYR	807	1987	2.30100	42.9
## 6772	Macedonia, FYR	807	1989	2.23800	35.9
## 6774	Macedonia, FYR	807	1991	2.17100	31.5
## 6776	Macedonia, FYR	807	1993	2.08500	27.9
## 6778	Macedonia, FYR	807	1995	1.97700	22.0
## 6780	Macedonia, FYR	807	1997	1.86400	17.5
## 6782	Macedonia, FYR	807	1999	1.76500	15.0

## 6784	Macedonia, FYR	807	2001	1.68300	13.5
## 6786	Macedonia, FYR	807	2003	1.60400	12.6
## 6788	Macedonia, FYR	807	2005	1.53000	12.1
## 6790	Macedonia, FYR	807	2007	1.47900	11.0
## 6792	Macedonia, FYR	807	2009	1.46500	9.6
## 6794	Macedonia, FYR	807	2011	1.48200	7.5
## 6796	Macedonia, FYR	807	2013	1.51100	5.8
## 6798	Macedonia, FYR	807	2015	1.53500	4.8
## 6800	Madagascar	450	1951	7.30000	NA
## 6802	Madagascar	450	1953	7.30000	NA
## 6804	Madagascar	450	1955	7.30000	NA
## 6806	Madagascar	450	1957	7.30000	NA
## 6808	Madagascar	450	1959	7.30000	NA
## 6810	Madagascar	450	1961	7.30000	NA
## 6812	Madagascar	450	1963	7.30000	NA
## 6814	Madagascar	450	1965	7.30100	NA
## 6816	Madagascar	450	1967	7.31000	NA
## 6818	Madagascar	450	1969	7.32200	92.4
## 6820	Madagascar	450	1971	7.32500	94.2
## 6822	Madagascar	450	1973	7.30000	96.7
## 6824	Madagascar	450	1975	7.21600	99.5
## 6826	Madagascar	450	1977	7.00800	101.9
## 6828	Madagascar	450	1979	6.68700	104.1
## 6830	Madagascar	450	1981	6.35900	107.0
## 6832	Madagascar	450	1983	6.16500	109.6
## 6834	Madagascar	450	1985	6.14600	109.6
## 6836	Madagascar	450	1987	6.22500	106.4
## 6838	Madagascar	450	1989	6.26800	101.0
## 6840	Madagascar	450	1991	6.22500	95.4
## 6842	Madagascar	450	1993	6.12600	90.7
## 6844	Madagascar	450	1995	5.99900	85.9
## 6846	Madagascar	450	1997	5.84100	80.0
## 6848	Madagascar	450	1999	5.65100	73.2
## 6850	Madagascar	450	2001	5.44300	66.2
## 6852	Madagascar	450	2003	5.23300	59.7
## 6854	Madagascar	450	2005	5.03900	53.5
## 6856	Madagascar	450	2007	4.87000	47.9
## 6858	Madagascar	450	2009	4.72200	43.8
## 6860	Madagascar	450	2011	4.59000	40.6
## 6862	Madagascar	450	2013	4.46800	38.1
## 6864	Madagascar	450	2015	4.35000	35.9
## 6866	Malawi	454	1951	6.81000	NA
## 6868	Malawi	454	1953	6.83000	NA
## 6870	Malawi	454	1955	6.85000	NA
## 6872	Malawi	454	1957	6.87000	NA
## 6874	Malawi	454	1959	6.89000	NA
## 6876	Malawi	454	1961	6.96400	NA
## 6878	Malawi	454	1963	7.02300	NA
## 6880	Malawi	454	1965	7.09600	213.3
## 6882	Malawi	454	1967	7.17900	211.5
## 6884	Malawi	454	1969	7.26200	209.6
## 6886	Malawi	454	1971	7.34500	204.8
## 6888	Malawi	454	1973	7.43200	195.5
## 6890	Malawi	454	1975	7.51700	184.0

## 6892	Malawi	454	1977	7.58900	170.6
## 6894	Malawi	454	1979	7.63200	157.4
## 6896	Malawi	454	1981	7.63500	147.3
## 6898	Malawi	454	1983	7.59100	143.4
## 6900	Malawi	454	1985	7.49600	146.9
## 6902	Malawi	454	1987	7.33500	149.6
## 6904	Malawi	454	1989	7.11900	146.2
## 6906	Malawi	454	1991	6.88600	137.9
## 6908	Malawi	454	1993	6.68100	128.6
## 6910	Malawi	454	1995	6.52800	121.9
## 6912	Malawi	454	1997	6.41400	117.1
## 6914	Malawi	454	1999	6.30600	109.4
## 6916	Malawi	454	2001	6.19400	96.5
## 6918	Malawi	454	2003	6.08300	81.6
## 6920	Malawi	454	2005	5.96900	70.7
## 6922	Malawi	454	2007	5.82300	64.5
## 6924	Malawi	454	2009	5.63600	59.6
## 6926	Malawi	454	2011	5.42300	53.8
## 6928	Malawi	454	2013	5.22000	47.3
## 6930	Malawi	454	2015	5.04800	43.4
## 6932	Malaysia	458	1951	6.32438	NA
## 6934	Malaysia	458	1953	6.33654	NA
## 6936	Malaysia	458	1955	6.34870	NA
## 6938	Malaysia	458	1957	6.36086	78.4
## 6940	Malaysia	458	1959	6.37302	70.8
## 6942	Malaysia	458	1961	6.13600	64.2
## 6944	Malaysia	458	1963	5.94200	58.3
## 6946	Malaysia	458	1965	5.65500	53.4
## 6948	Malaysia	458	1967	5.32600	49.1
## 6950	Malaysia	458	1969	5.01400	45.3
## 6952	Malaysia	458	1971	4.73700	41.7
## 6954	Malaysia	458	1973	4.46900	38.0
## 6956	Malaysia	458	1975	4.20900	34.2
## 6958	Malaysia	458	1977	3.99000	30.5
## 6960	Malaysia	458	1979	3.83900	27.0
## 6962	Malaysia	458	1981	3.75300	23.8
## 6964	Malaysia	458	1983	3.70200	21.0
## 6966	Malaysia	458	1985	3.65600	18.6
## 6968	Malaysia	458	1987	3.60400	16.6
## 6970	Malaysia	458	1989	3.54600	15.0
## 6972	Malaysia	458	1991	3.48500	13.6
## 6974	Malaysia	458	1993	3.42200	12.4
## 6976	Malaysia	458	1995	3.33900	11.5
## 6978	Malaysia	458	1997	3.19000	10.7
## 6980	Malaysia	458	1999	2.96100	9.4
## 6982	Malaysia	458	2001	2.68300	8.1
## 6984	Malaysia	458	2003	2.41800	7.3
## 6986	Malaysia	458	2005	2.21700	7.0
## 6988	Malaysia	458	2007	2.09300	6.9
## 6990	Malaysia	458	2009	2.02100	6.9
## 6992	Malaysia	458	2011	1.98200	6.7
## 6994	Malaysia	458	2013	1.95600	6.4
## 6996	Malaysia	458	2015	1.93100	6.0
## 6998	Maldives	462	1951	5.40302	NA

## 7000	Maldives	462	1953	5.71646	NA
## 7002	Maldives	462	1955	6.02990	NA
## 7004	Maldives	462	1957	6.34334	NA
## 7006	Maldives	462	1959	6.65678	NA
## 7008	Maldives	462	1961	7.07500	NA
## 7010	Maldives	462	1963	7.15200	217.1
## 7012	Maldives	462	1965	7.20100	205.3
## 7014	Maldives	462	1967	7.23100	193.1
## 7016	Maldives	462	1969	7.23700	180.5
## 7018	Maldives	462	1971	7.20100	167.1
## 7020	Maldives	462	1973	7.10300	152.0
## 7022	Maldives	462	1975	6.98100	137.2
## 7024	Maldives	462	1977	6.93600	123.7
## 7026	Maldives	462	1979	7.01300	112.1
## 7028	Maldives	462	1981	7.15100	101.9
## 7030	Maldives	462	1983	7.21900	92.9
## 7032	Maldives	462	1985	7.10600	84.9
## 7034	Maldives	462	1987	6.77600	77.7
## 7036	Maldives	462	1989	6.28600	71.2
## 7038	Maldives	462	1991	5.67400	65.3
## 7040	Maldives	462	1993	4.98700	59.5
## 7042	Maldives	462	1995	4.29800	53.4
## 7044	Maldives	462	1997	3.67400	46.7
## 7046	Maldives	462	1999	3.15500	39.4
## 7048	Maldives	462	2001	2.77000	31.8
## 7050	Maldives	462	2003	2.51000	24.9
## 7052	Maldives	462	2005	2.34700	19.4
## 7054	Maldives	462	2007	2.26100	15.3
## 7056	Maldives	462	2009	2.22200	12.4
## 7058	Maldives	462	2011	2.19400	10.1
## 7060	Maldives	462	2013	2.15200	8.4
## 7062	Maldives	462	2015	2.08800	7.4
## 7064	Mali	466	1951	6.95000	NA
## 7066	Mali	466	1953	6.95000	NA
## 7068	Mali	466	1955	6.95000	NA
## 7070	Mali	466	1957	6.95000	NA
## 7072	Mali	466	1959	6.95000	NA
## 7074	Mali	466	1961	6.97900	NA
## 7076	Mali	466	1963	7.01100	216.5
## 7078	Mali	466	1965	7.05000	209.2
## 7080	Mali	466	1967	7.08900	203.0
## 7082	Mali	466	1969	7.12100	197.9
## 7084	Mali	466	1971	7.14100	193.5
## 7086	Mali	466	1973	7.15100	188.2
## 7088	Mali	466	1975	7.15400	180.9
## 7090	Mali	466	1977	7.15300	172.8
## 7092	Mali	466	1979	7.15100	164.8
## 7094	Mali	466	1981	7.15000	157.7
## 7096	Mali	466	1983	7.15000	150.5
## 7098	Mali	466	1985	7.15100	143.7
## 7100	Mali	466	1987	7.15600	137.8
## 7102	Mali	466	1989	7.16400	132.8
## 7104	Mali	466	1991	7.15900	128.7
## 7106	Mali	466	1993	7.12400	126.2

## 7108	Mali	466	1995	7.05800	124.5
## 7110	Mali	466	1997	6.98300	122.6
## 7112	Mali	466	1999	6.92100	118.9
## 7114	Mali	466	2001	6.87800	112.6
## 7116	Mali	466	2003	6.84200	104.7
## 7118	Mali	466	2005	6.79400	96.7
## 7120	Mali	466	2007	6.71900	90.1
## 7122	Mali	466	2009	6.61200	85.0
## 7124	Mali	466	2011	6.47400	81.0
## 7126	Mali	466	2013	6.31400	77.6
## 7128	Mali	466	2015	6.14300	74.5
## 7130	Malta	470	1951	4.40480	NA
## 7132	Malta	470	1953	4.27040	NA
## 7134	Malta	470	1955	4.13600	48.1
## 7136	Malta	470	1957	4.00160	42.7
## 7138	Malta	470	1959	3.86720	38.1
## 7140	Malta	470	1961	3.27000	34.9
## 7142	Malta	470	1963	2.90000	32.6
## 7144	Malta	470	1965	2.52000	30.6
## 7146	Malta	470	1967	2.24000	28.3
## 7148	Malta	470	1969	2.02000	26.0
## 7150	Malta	470	1971	2.06000	23.6
## 7152	Malta	470	1973	1.65000	21.2
## 7154	Malta	470	1975	2.27000	19.0
## 7156	Malta	470	1977	2.14000	17.0
## 7158	Malta	470	1979	2.10000	15.6
## 7160	Malta	470	1981	1.87000	14.4
## 7162	Malta	470	1983	1.92000	13.4
## 7164	Malta	470	1985	1.95000	12.3
## 7166	Malta	470	1987	1.97000	11.3
## 7168	Malta	470	1989	2.10000	10.4
## 7170	Malta	470	1991	2.04000	9.7
## 7172	Malta	470	1993	2.00000	9.0
## 7174	Malta	470	1995	1.81000	8.4
## 7176	Malta	470	1997	1.98000	7.6
## 7178	Malta	470	1999	1.77000	7.1
## 7180	Malta	470	2001	1.48000	6.6
## 7182	Malta	470	2003	1.48000	6.2
## 7184	Malta	470	2005	1.38000	6.0
## 7186	Malta	470	2007	1.35000	5.9
## 7188	Malta	470	2009	1.42000	5.7
## 7190	Malta	470	2011	1.45000	5.6
## 7192	Malta	470	2013	1.38000	5.3
## 7194	Malta	470	2015	1.42000	5.1
## 7196	Mauritania	478	1951	6.04380	159.7
## 7198	Mauritania	478	1953	6.19080	154.8
## 7200	Mauritania	478	1955	6.33780	149.5
## 7202	Mauritania	478	1957	6.48480	143.8
## 7204	Mauritania	478	1959	6.63180	137.9
## 7206	Mauritania	478	1961	6.78700	131.9
## 7208	Mauritania	478	1963	6.79800	126.0
## 7210	Mauritania	478	1965	6.79900	120.3
## 7212	Mauritania	478	1967	6.79800	114.8
## 7214	Mauritania	478	1969	6.79100	110.0

## 7216	Mauritania	478	1971	6.77400	107.5
## 7218	Mauritania	478	1973	6.73900	106.6
## 7220	Mauritania	478	1975	6.68100	105.1
## 7222	Mauritania	478	1977	6.59400	102.0
## 7224	Mauritania	478	1979	6.48400	98.1
## 7226	Mauritania	478	1981	6.36800	94.4
## 7228	Mauritania	478	1983	6.26400	90.6
## 7230	Mauritania	478	1985	6.17800	86.3
## 7232	Mauritania	478	1987	6.10300	82.1
## 7234	Mauritania	478	1989	6.02400	79.0
## 7236	Mauritania	478	1991	5.93200	77.2
## 7238	Mauritania	478	1993	5.82500	76.4
## 7240	Mauritania	478	1995	5.70800	76.3
## 7242	Mauritania	478	1997	5.58500	76.3
## 7244	Mauritania	478	1999	5.46300	76.2
## 7246	Mauritania	478	2001	5.34400	76.0
## 7248	Mauritania	478	2003	5.22800	75.7
## 7250	Mauritania	478	2005	5.11400	74.7
## 7252	Mauritania	478	2007	5.00200	73.1
## 7254	Mauritania	478	2009	4.89100	71.1
## 7256	Mauritania	478	2011	4.77800	69.2
## 7258	Mauritania	478	2013	4.66200	67.2
## 7260	Mauritania	478	2015	4.54300	65.1
## 7262	Mauritius	480	1951	5.89500	NA
## 7264	Mauritius	480	1953	5.89500	NA
## 7266	Mauritius	480	1955	5.89500	NA
## 7268	Mauritius	480	1957	5.89500	76.7
## 7270	Mauritius	480	1959	5.89500	69.2
## 7272	Mauritius	480	1961	6.17800	66.3
## 7274	Mauritius	480	1963	5.99300	59.9
## 7276	Mauritius	480	1965	5.51000	60.5
## 7278	Mauritius	480	1967	4.84700	68.4
## 7280	Mauritius	480	1969	4.21300	62.8
## 7282	Mauritius	480	1971	3.74100	59.4
## 7284	Mauritius	480	1973	3.44400	57.4
## 7286	Mauritius	480	1975	3.25500	49.6
## 7288	Mauritius	480	1977	3.07100	39.5
## 7290	Mauritius	480	1979	2.81800	34.0
## 7292	Mauritius	480	1981	2.53200	30.5
## 7294	Mauritius	480	1983	2.32500	25.7
## 7296	Mauritius	480	1985	2.02000	23.7
## 7298	Mauritius	480	1987	2.05000	24.4
## 7300	Mauritius	480	1989	2.23000	21.3
## 7302	Mauritius	480	1991	2.30000	18.8
## 7304	Mauritius	480	1993	2.21000	18.4
## 7306	Mauritius	480	1995	2.14000	19.4
## 7308	Mauritius	480	1997	2.04000	19.8
## 7310	Mauritius	480	1999	2.05000	17.8
## 7312	Mauritius	480	2001	1.91000	15.1
## 7314	Mauritius	480	2003	1.87000	13.8
## 7316	Mauritius	480	2005	1.88000	13.8
## 7318	Mauritius	480	2007	1.74000	14.1
## 7320	Mauritius	480	2009	1.59000	13.6
## 7322	Mauritius	480	2011	1.55000	13.1

## 7324	Mauritius	480	2013	1.44000	12.6
## 7326	Mauritius	480	2015	1.36000	11.8
## 7328	Mexico	484	1951	6.72600	NA
## 7330	Mexico	484	1953	6.73800	NA
## 7332	Mexico	484	1955	6.75000	NA
## 7334	Mexico	484	1957	6.76200	NA
## 7336	Mexico	484	1959	6.77400	NA
## 7338	Mexico	484	1961	6.76200	NA
## 7340	Mexico	484	1963	6.75400	90.8
## 7342	Mexico	484	1965	6.75500	87.6
## 7344	Mexico	484	1967	6.78900	84.1
## 7346	Mexico	484	1969	6.83100	79.8
## 7348	Mexico	484	1971	6.78900	75.1
## 7350	Mexico	484	1973	6.55800	70.5
## 7352	Mexico	484	1975	6.13000	66.6
## 7354	Mexico	484	1977	5.58700	62.8
## 7356	Mexico	484	1979	5.06400	58.5
## 7358	Mexico	484	1981	4.63500	53.7
## 7360	Mexico	484	1983	4.29500	49.2
## 7362	Mexico	484	1985	4.01800	45.5
## 7364	Mexico	484	1987	3.78600	42.1
## 7366	Mexico	484	1989	3.57800	38.8
## 7368	Mexico	484	1991	3.38200	35.4
## 7370	Mexico	484	1993	3.20600	32.0
## 7372	Mexico	484	1995	3.05100	28.8
## 7374	Mexico	484	1997	2.91700	25.8
## 7376	Mexico	484	1999	2.80000	22.9
## 7378	Mexico	484	2001	2.69700	20.4
## 7380	Mexico	484	2003	2.60400	18.2
## 7382	Mexico	484	2005	2.52100	16.7
## 7384	Mexico	484	2007	2.44700	15.8
## 7386	Mexico	484	2009	2.38500	15.0
## 7388	Mexico	484	2011	2.32800	13.8
## 7390	Mexico	484	2013	2.27200	12.5
## 7392	Mexico	484	2015	2.21300	11.3
## 7394	Micronesia, Fed. Sts.	583	1951	7.36000	NA
## 7396	Micronesia, Fed. Sts.	583	1953	7.28000	NA
## 7398	Micronesia, Fed. Sts.	583	1955	7.20000	NA
## 7400	Micronesia, Fed. Sts.	583	1957	7.12000	NA
## 7402	Micronesia, Fed. Sts.	583	1959	7.04000	NA
## 7404	Micronesia, Fed. Sts.	583	1961	6.91700	NA
## 7406	Micronesia, Fed. Sts.	583	1963	6.89700	NA
## 7408	Micronesia, Fed. Sts.	583	1965	6.89400	NA
## 7410	Micronesia, Fed. Sts.	583	1967	6.91100	NA
## 7412	Micronesia, Fed. Sts.	583	1969	6.93500	NA
## 7414	Micronesia, Fed. Sts.	583	1971	6.92500	NA
## 7416	Micronesia, Fed. Sts.	583	1973	6.84200	NA
## 7418	Micronesia, Fed. Sts.	583	1975	6.68200	NA
## 7420	Micronesia, Fed. Sts.	583	1977	6.49000	NA
## 7422	Micronesia, Fed. Sts.	583	1979	6.31100	NA
## 7424	Micronesia, Fed. Sts.	583	1981	6.12900	44.4
## 7426	Micronesia, Fed. Sts.	583	1983	5.89400	45.4
## 7428	Micronesia, Fed. Sts.	583	1985	5.60000	45.6
## 7430	Micronesia, Fed. Sts.	583	1987	5.29900	45.0

## 7432	Micronesia, Fed. Sts.	583	1989	5.05200	43.9
## 7434	Micronesia, Fed. Sts.	583	1991	4.88200	43.1
## 7436	Micronesia, Fed. Sts.	583	1993	4.76600	43.0
## 7438	Micronesia, Fed. Sts.	583	1995	4.66400	43.3
## 7440	Micronesia, Fed. Sts.	583	1997	4.54400	43.6
## 7442	Micronesia, Fed. Sts.	583	1999	4.39000	42.9
## 7444	Micronesia, Fed. Sts.	583	2001	4.20400	41.5
## 7446	Micronesia, Fed. Sts.	583	2003	4.00700	39.6
## 7448	Micronesia, Fed. Sts.	583	2005	3.82300	37.7
## 7450	Micronesia, Fed. Sts.	583	2007	3.66100	35.7
## 7452	Micronesia, Fed. Sts.	583	2009	3.52200	33.8
## 7454	Micronesia, Fed. Sts.	583	2011	3.40200	32.0
## 7456	Micronesia, Fed. Sts.	583	2013	3.29400	30.2
## 7458	Micronesia, Fed. Sts.	583	2015	3.19300	28.6
## 7460	Moldova	498	1951	3.54800	NA
## 7462	Moldova	498	1953	3.52400	NA
## 7464	Moldova	498	1955	3.50000	NA
## 7466	Moldova	498	1957	3.47600	NA
## 7468	Moldova	498	1959	3.45200	NA
## 7470	Moldova	498	1961	3.25900	NA
## 7472	Moldova	498	1963	3.08600	NA
## 7474	Moldova	498	1965	2.89100	NA
## 7476	Moldova	498	1967	2.72200	NA
## 7478	Moldova	498	1969	2.61300	NA
## 7480	Moldova	498	1971	2.56000	49.7
## 7482	Moldova	498	1973	2.52300	47.3
## 7484	Moldova	498	1975	2.48300	44.9
## 7486	Moldova	498	1977	2.45500	42.6
## 7488	Moldova	498	1979	2.46200	40.6
## 7490	Moldova	498	1981	2.51000	38.7
## 7492	Moldova	498	1983	2.58500	36.0
## 7494	Moldova	498	1985	2.64300	32.9
## 7496	Moldova	498	1987	2.62500	29.9
## 7498	Moldova	498	1989	2.50600	27.8
## 7500	Moldova	498	1991	2.30900	27.5
## 7502	Moldova	498	1993	2.09300	29.2
## 7504	Moldova	498	1995	1.90100	31.0
## 7506	Moldova	498	1997	1.71900	30.8
## 7508	Moldova	498	1999	1.52700	28.1
## 7510	Moldova	498	2001	1.35400	23.7
## 7512	Moldova	498	2003	1.24700	19.5
## 7514	Moldova	498	2005	1.21900	16.9
## 7516	Moldova	498	2007	1.24200	15.5
## 7518	Moldova	498	2009	1.26800	14.9
## 7520	Moldova	498	2011	1.27300	14.5
## 7522	Moldova	498	2013	1.26300	14.1
## 7524	Moldova	498	2015	1.24800	13.6
## 7526	Mongolia	496	1951	5.04000	NA
## 7528	Mongolia	496	1953	5.32000	NA
## 7530	Mongolia	496	1955	5.60000	NA
## 7532	Mongolia	496	1957	5.88000	NA
## 7534	Mongolia	496	1959	6.16000	NA
## 7536	Mongolia	496	1961	7.16800	NA
## 7538	Mongolia	496	1963	7.47700	NA



## 7540	Mongolia	496	1965	7.59300	NA
## 7542	Mongolia	496	1967	7.59100	NA
## 7544	Mongolia	496	1969	7.57800	NA
## 7546	Mongolia	496	1971	7.54600	NA
## 7548	Mongolia	496	1973	7.41300	NA
## 7550	Mongolia	496	1975	7.14400	NA
## 7552	Mongolia	496	1977	6.78000	NA
## 7554	Mongolia	496	1979	6.39500	117.4
## 7556	Mongolia	496	1981	6.03300	109.3
## 7558	Mongolia	496	1983	5.69600	101.9
## 7560	Mongolia	496	1985	5.34500	94.6
## 7562	Mongolia	496	1987	4.90600	87.3
## 7564	Mongolia	496	1989	4.35600	80.3
## 7566	Mongolia	496	1991	3.74600	73.8
## 7568	Mongolia	496	1993	3.18000	67.8
## 7570	Mongolia	496	1995	2.73800	62.2
## 7572	Mongolia	496	1997	2.43000	56.6
## 7574	Mongolia	496	1999	2.21600	51.0
## 7576	Mongolia	496	2001	2.09800	45.3
## 7578	Mongolia	496	2003	2.09100	39.8
## 7580	Mongolia	496	2005	2.17600	34.9
## 7582	Mongolia	496	2007	2.32400	30.6
## 7584	Mongolia	496	2009	2.48700	26.8
## 7586	Mongolia	496	2011	2.60700	23.4
## 7588	Mongolia	496	2013	2.65700	20.9
## 7590	Mongolia	496	2015	2.63800	19.0
## 7592	Montenegro	499	1951	4.78752	NA
## 7594	Montenegro	499	1953	4.56696	NA
## 7596	Montenegro	499	1955	4.34640	NA
## 7598	Montenegro	499	1957	4.12584	NA
## 7600	Montenegro	499	1959	3.90528	NA
## 7602	Montenegro	499	1961	3.52200	NA
## 7604	Montenegro	499	1963	3.34400	NA
## 7606	Montenegro	499	1965	3.14500	NA
## 7608	Montenegro	499	1967	2.95300	NA
## 7610	Montenegro	499	1969	2.80000	NA
## 7612	Montenegro	499	1971	2.68000	NA
## 7614	Montenegro	499	1973	2.56700	NA
## 7616	Montenegro	499	1975	2.44700	NA
## 7618	Montenegro	499	1977	2.34100	NA
## 7620	Montenegro	499	1979	2.26800	NA
## 7622	Montenegro	499	1981	2.22400	NA
## 7624	Montenegro	499	1983	2.19200	NA
## 7626	Montenegro	499	1985	2.15600	21.8
## 7628	Montenegro	499	1987	2.12000	18.2
## 7630	Montenegro	499	1989	2.09100	15.7
## 7632	Montenegro	499	1991	2.06300	14.3
## 7634	Montenegro	499	1993	2.02500	13.8
## 7636	Montenegro	499	1995	1.97700	13.6
## 7638	Montenegro	499	1997	1.92700	13.5
## 7640	Montenegro	499	1999	1.88800	13.0
## 7642	Montenegro	499	2001	1.86500	12.0
## 7644	Montenegro	499	2003	1.85200	10.9
## 7646	Montenegro	499	2005	1.84000	9.5

## 7648	Montenegro	499	2007	1.82000	8.2
## 7650	Montenegro	499	2009	1.78700	6.8
## 7652	Montenegro	499	2011	1.74500	5.7
## 7654	Montenegro	499	2013	1.70600	4.9
## 7656	Montenegro	499	2015	1.67600	4.3
## 7658	Morocco	504	1951	6.37760	NA
## 7660	Morocco	504	1953	6.49280	NA
## 7662	Morocco	504	1955	6.60800	NA
## 7664	Morocco	504	1957	6.72320	152.0
## 7666	Morocco	504	1959	6.83840	147.3
## 7668	Morocco	504	1961	7.10600	142.7
## 7670	Morocco	504	1963	7.13500	138.0
## 7672	Morocco	504	1965	7.08100	133.0
## 7674	Morocco	504	1967	6.95300	127.9
## 7676	Morocco	504	1969	6.78100	123.0
## 7678	Morocco	504	1971	6.58800	118.8
## 7680	Morocco	504	1973	6.38000	114.7
## 7682	Morocco	504	1975	6.16800	109.9
## 7684	Morocco	504	1977	5.97000	104.0
## 7686	Morocco	504	1979	5.78200	97.4
## 7688	Morocco	504	1981	5.57000	90.6
## 7690	Morocco	504	1983	5.29000	83.9
## 7692	Morocco	504	1985	4.94200	77.2
## 7694	Morocco	504	1987	4.56700	71.0
## 7696	Morocco	504	1989	4.21700	65.6
## 7698	Morocco	504	1991	3.90500	60.8
## 7700	Morocco	504	1993	3.60600	56.2
## 7702	Morocco	504	1995	3.30900	51.8
## 7704	Morocco	504	1997	3.02900	47.7
## 7706	Morocco	504	1999	2.78900	43.9
## 7708	Morocco	504	2001	2.61100	40.5
## 7710	Morocco	504	2003	2.50600	37.4
## 7712	Morocco	504	2005	2.46600	34.5
## 7714	Morocco	504	2007	2.48000	31.9
## 7716	Morocco	504	2009	2.51800	29.6
## 7718	Morocco	504	2011	2.54400	27.4
## 7720	Morocco	504	2013	2.53500	25.5
## 7722	Morocco	504	2015	2.48600	23.7
## 7724	Mozambique	508	1951	7.00000	NA
## 7726	Mozambique	508	1953	7.00000	NA
## 7728	Mozambique	508	1955	7.00000	NA
## 7730	Mozambique	508	1957	7.00000	NA
## 7732	Mozambique	508	1959	7.00000	NA
## 7734	Mozambique	508	1961	6.60000	NA
## 7736	Mozambique	508	1963	6.60100	NA
## 7738	Mozambique	508	1965	6.60200	185.6
## 7740	Mozambique	508	1967	6.60100	184.1
## 7742	Mozambique	508	1969	6.59600	182.6
## 7744	Mozambique	508	1971	6.58600	181.2
## 7746	Mozambique	508	1973	6.57200	179.8
## 7748	Mozambique	508	1975	6.55400	178.0
## 7750	Mozambique	508	1977	6.53200	176.4
## 7752	Mozambique	508	1979	6.50500	175.1
## 7754	Mozambique	508	1981	6.47400	174.1

## 7756	Mozambique	508	1983	6.43900	172.3
## 7758	Mozambique	508	1985	6.39800	169.2
## 7760	Mozambique	508	1987	6.34500	165.7
## 7762	Mozambique	508	1989	6.27700	161.8
## 7764	Mozambique	508	1991	6.19000	157.4
## 7766	Mozambique	508	1993	6.08400	151.5
## 7768	Mozambique	508	1995	5.97300	143.4
## 7770	Mozambique	508	1997	5.88400	132.7
## 7772	Mozambique	508	1999	5.83100	120.7
## 7774	Mozambique	508	2001	5.80500	109.3
## 7776	Mozambique	508	2003	5.78000	99.1
## 7778	Mozambique	508	2005	5.73600	90.4
## 7780	Mozambique	508	2007	5.67400	81.5
## 7782	Mozambique	508	2009	5.60300	74.3
## 7784	Mozambique	508	2011	5.52100	68.1
## 7786	Mozambique	508	2013	5.41800	60.9
## 7788	Mozambique	508	2015	5.29500	56.7
## 7790	Myanmar	104	1951	6.00000	NA
## 7792	Myanmar	104	1953	6.00000	NA
## 7794	Myanmar	104	1955	6.00000	NA
## 7796	Myanmar	104	1957	6.00000	NA
## 7798	Myanmar	104	1959	6.00000	NA
## 7800	Myanmar	104	1961	6.07300	NA
## 7802	Myanmar	104	1963	6.11600	NA
## 7804	Myanmar	104	1965	6.13600	NA
## 7806	Myanmar	104	1967	6.10900	NA
## 7808	Myanmar	104	1969	6.02400	123.9
## 7810	Myanmar	104	1971	5.88100	118.9
## 7812	Myanmar	104	1973	5.69500	114.0
## 7814	Myanmar	104	1975	5.48800	109.1
## 7816	Myanmar	104	1977	5.28400	104.3
## 7818	Myanmar	104	1979	5.08700	99.6
## 7820	Myanmar	104	1981	4.86800	95.2
## 7822	Myanmar	104	1983	4.59100	91.2
## 7824	Myanmar	104	1985	4.25600	87.3
## 7826	Myanmar	104	1987	3.90100	83.7
## 7828	Myanmar	104	1989	3.58400	80.1
## 7830	Myanmar	104	1991	3.33700	76.4
## 7832	Myanmar	104	1993	3.15900	72.7
## 7834	Myanmar	104	1995	3.03600	69.0
## 7836	Myanmar	104	1997	2.96400	65.6
## 7838	Myanmar	104	1999	2.92100	62.3
## 7840	Myanmar	104	2001	2.88000	59.2
## 7842	Myanmar	104	2003	2.81400	56.2
## 7844	Myanmar	104	2005	2.71400	53.2
## 7846	Myanmar	104	2007	2.58500	50.2
## 7848	Myanmar	104	2009	2.44900	47.3
## 7850	Myanmar	104	2011	2.33000	44.5
## 7852	Myanmar	104	2013	2.23900	41.9
## 7854	Myanmar	104	2015	2.17700	39.5
## 7856	Namibia	516	1951	5.92000	NA
## 7858	Namibia	516	1953	5.96000	NA
## 7860	Namibia	516	1955	6.00000	NA
## 7862	Namibia	516	1957	6.04000	NA

## 7864	Namibia	516	1959	6.08000	NA
## 7866	Namibia	516	1961	6.16700	NA
## 7868	Namibia	516	1963	6.19900	NA
## 7870	Namibia	516	1965	6.23600	NA
## 7872	Namibia	516	1967	6.30100	62.3
## 7874	Namibia	516	1969	6.40100	62.5
## 7876	Namibia	516	1971	6.51700	62.8
## 7878	Namibia	516	1973	6.61300	63.1
## 7880	Namibia	516	1975	6.65400	63.4
## 7882	Namibia	516	1977	6.62200	63.7
## 7884	Namibia	516	1979	6.52400	63.6
## 7886	Namibia	516	1981	6.36200	62.5
## 7888	Namibia	516	1983	6.14500	60.2
## 7890	Namibia	516	1985	5.89300	57.1
## 7892	Namibia	516	1987	5.62500	53.8
## 7894	Namibia	516	1989	5.35800	50.8
## 7896	Namibia	516	1991	5.09800	48.5
## 7898	Namibia	516	1993	4.84200	47.5
## 7900	Namibia	516	1995	4.58900	47.6
## 7902	Namibia	516	1997	4.34500	48.4
## 7904	Namibia	516	1999	4.11900	49.2
## 7906	Namibia	516	2001	3.92600	49.2
## 7908	Namibia	516	2003	3.77300	48.1
## 7910	Namibia	516	2005	3.66700	45.3
## 7912	Namibia	516	2007	3.61600	42.7
## 7914	Namibia	516	2009	3.60600	39.2
## 7916	Namibia	516	2011	3.60000	36.0
## 7918	Namibia	516	2013	3.56000	34.3
## 7920	Namibia	516	2015	3.47300	32.8
## 7922	Nepal	524	1951	5.95880	NA
## 7924	Nepal	524	1953	5.95880	NA
## 7926	Nepal	524	1955	5.95880	NA
## 7928	Nepal	524	1957	5.95880	224.7
## 7930	Nepal	524	1959	5.95880	222.0
## 7932	Nepal	524	1961	5.96000	216.7
## 7934	Nepal	524	1963	5.96400	209.4
## 7936	Nepal	524	1965	5.96600	200.7
## 7938	Nepal	524	1967	5.95800	191.3
## 7940	Nepal	524	1969	5.93400	182.6
## 7942	Nepal	524	1971	5.90100	174.6
## 7944	Nepal	524	1973	5.86800	167.2
## 7946	Nepal	524	1975	5.83800	159.9
## 7948	Nepal	524	1977	5.80400	152.3
## 7950	Nepal	524	1979	5.75600	144.3
## 7952	Nepal	524	1981	5.68700	136.2
## 7954	Nepal	524	1983	5.59700	128.0
## 7956	Nepal	524	1985	5.49000	119.7
## 7958	Nepal	524	1987	5.37100	111.1
## 7960	Nepal	524	1989	5.24200	102.3
## 7962	Nepal	524	1991	5.09700	93.2
## 7964	Nepal	524	1993	4.92600	84.7
## 7966	Nepal	524	1995	4.72000	76.8
## 7968	Nepal	524	1997	4.47000	69.6
## 7970	Nepal	524	1999	4.18200	62.8

## 7972	Nepal	524	2001	3.87700	56.7
## 7974	Nepal	524	2003	3.57500	51.2
## 7976	Nepal	524	2005	3.28900	46.3
## 7978	Nepal	524	2007	3.01200	42.0
## 7980	Nepal	524	2009	2.73700	38.1
## 7982	Nepal	524	2011	2.48600	34.6
## 7984	Nepal	524	2013	2.29200	31.7
## 7986	Nepal	524	2015	2.16700	29.4
## 7988	Netherlands	528	1951	3.01640	23.9
## 7990	Netherlands	528	1953	3.03440	21.7
## 7992	Netherlands	528	1955	3.05240	19.8
## 7994	Netherlands	528	1957	3.07040	18.2
## 7996	Netherlands	528	1959	3.08840	17.0
## 7998	Netherlands	528	1961	3.22000	16.1
## 8000	Netherlands	528	1963	3.19000	15.3
## 8002	Netherlands	528	1965	3.04000	14.5
## 8004	Netherlands	528	1967	2.81000	13.8
## 8006	Netherlands	528	1969	2.75000	13.1
## 8008	Netherlands	528	1971	2.36000	12.2
## 8010	Netherlands	528	1973	1.90000	11.3
## 8012	Netherlands	528	1975	1.66000	10.5
## 8014	Netherlands	528	1977	1.58000	9.7
## 8016	Netherlands	528	1979	1.56000	9.0
## 8018	Netherlands	528	1981	1.56000	8.6
## 8020	Netherlands	528	1983	1.47000	8.2
## 8022	Netherlands	528	1985	1.51000	7.9
## 8024	Netherlands	528	1987	1.56000	7.5
## 8026	Netherlands	528	1989	1.55000	7.0
## 8028	Netherlands	528	1991	1.61000	6.5
## 8030	Netherlands	528	1993	1.57000	6.1
## 8032	Netherlands	528	1995	1.53000	5.7
## 8034	Netherlands	528	1997	1.56000	5.3
## 8036	Netherlands	528	1999	1.65000	5.2
## 8038	Netherlands	528	2001	1.71000	5.0
## 8040	Netherlands	528	2003	1.75000	4.7
## 8042	Netherlands	528	2005	1.71000	4.5
## 8044	Netherlands	528	2007	1.72000	4.2
## 8046	Netherlands	528	2009	1.79000	3.8
## 8048	Netherlands	528	2011	1.76000	3.6
## 8050	Netherlands	528	2013	1.68000	3.3
## 8052	Netherlands	528	2015	1.71000	3.2
## 8054	New Caledonia	540	1951	5.22310	NA
## 8056	New Caledonia	540	1953	5.22310	NA
## 8058	New Caledonia	540	1955	5.22310	NA
## 8060	New Caledonia	540	1957	5.22310	NA
## 8062	New Caledonia	540	1959	5.22310	NA
## 8064	New Caledonia	540	1961	6.14400	NA
## 8066	New Caledonia	540	1963	5.87333	NA
## 8068	New Caledonia	540	1965	5.60000	NA
## 8070	New Caledonia	540	1967	5.17000	NA
## 8072	New Caledonia	540	1969	4.59000	NA
## 8074	New Caledonia	540	1971	4.17571	NA
## 8076	New Caledonia	540	1973	3.92714	NA
## 8078	New Caledonia	540	1975	3.67857	NA

## 8080	New Caledonia	540	1977	3.43000	NA
## 8082	New Caledonia	540	1979	3.42200	NA
## 8084	New Caledonia	540	1981	3.64000	NA
## 8086	New Caledonia	540	1983	3.33000	NA
## 8088	New Caledonia	540	1985	3.00000	NA
## 8090	New Caledonia	540	1987	3.25000	NA
## 8092	New Caledonia	540	1989	2.97000	NA
## 8094	New Caledonia	540	1991	3.15000	NA
## 8096	New Caledonia	540	1993	2.86000	NA
## 8098	New Caledonia	540	1995	2.59000	NA
## 8100	New Caledonia	540	1997	2.67000	NA
## 8102	New Caledonia	540	1999	2.48000	NA
## 8104	New Caledonia	540	2001	2.43000	NA
## 8106	New Caledonia	540	2003	2.27000	NA
## 8108	New Caledonia	540	2005	2.20000	NA
## 8110	New Caledonia	540	2007	2.20000	NA
## 8112	New Caledonia	540	2009	2.20000	NA
## 8114	New Caledonia	540	2011	2.15000	NA
## 8116	New Caledonia	540	2013	2.26000	NA
## 8118	New Caledonia	540	2015	2.22000	NA
## 8120	New Zealand	554	1951	3.38240	28.0
## 8122	New Zealand	554	1953	3.53520	26.6
## 8124	New Zealand	554	1955	3.68800	25.2
## 8126	New Zealand	554	1957	3.84080	24.3
## 8128	New Zealand	554	1959	3.99360	23.3
## 8130	New Zealand	554	1961	4.09900	21.7
## 8132	New Zealand	554	1963	3.98900	20.0
## 8134	New Zealand	554	1965	3.54000	18.7
## 8136	New Zealand	554	1967	3.35400	17.9
## 8138	New Zealand	554	1969	3.26900	17.2
## 8140	New Zealand	554	1971	3.19400	16.5
## 8142	New Zealand	554	1973	2.69600	15.8
## 8144	New Zealand	554	1975	2.33100	14.9
## 8146	New Zealand	554	1977	2.22900	13.9
## 8148	New Zealand	554	1979	2.12000	13.1
## 8150	New Zealand	554	1981	2.01000	12.4
## 8152	New Zealand	554	1983	1.92000	11.9
## 8154	New Zealand	554	1985	1.93000	11.3
## 8156	New Zealand	554	1987	2.03000	10.6
## 8158	New Zealand	554	1989	2.12000	9.7
## 8160	New Zealand	554	1991	2.16000	8.7
## 8162	New Zealand	554	1993	2.05000	7.8
## 8164	New Zealand	554	1995	1.99000	7.1
## 8166	New Zealand	554	1997	1.96000	6.6
## 8168	New Zealand	554	1999	1.97000	6.2
## 8170	New Zealand	554	2001	1.97000	5.9
## 8172	New Zealand	554	2003	1.93000	5.7
## 8174	New Zealand	554	2005	1.97000	5.4
## 8176	New Zealand	554	2007	2.18000	5.3
## 8178	New Zealand	554	2009	2.13000	5.2
## 8180	New Zealand	554	2011	2.09000	5.0
## 8182	New Zealand	554	2013	2.01000	4.9
## 8184	New Zealand	554	2015	1.99000	4.7
## 8186	Nicaragua	558	1951	6.95992	NA

## 8188	Nicaragua	558	1953	7.07996	NA
## 8190	Nicaragua	558	1955	7.20000	141.3
## 8192	Nicaragua	558	1957	7.32004	138.1
## 8194	Nicaragua	558	1959	7.44008	135.4
## 8196	Nicaragua	558	1961	7.25700	132.5
## 8198	Nicaragua	558	1963	7.10900	129.7
## 8200	Nicaragua	558	1965	7.01000	126.6
## 8202	Nicaragua	558	1967	6.96100	123.1
## 8204	Nicaragua	558	1969	6.91900	118.9
## 8206	Nicaragua	558	1971	6.85500	114.0
## 8208	Nicaragua	558	1973	6.74800	107.9
## 8210	Nicaragua	558	1975	6.59700	100.3
## 8212	Nicaragua	558	1977	6.42000	91.3
## 8214	Nicaragua	558	1979	6.23200	82.1
## 8216	Nicaragua	558	1981	6.02200	73.7
## 8218	Nicaragua	558	1983	5.76200	66.6
## 8220	Nicaragua	558	1985	5.44800	60.9
## 8222	Nicaragua	558	1987	5.10400	56.5
## 8224	Nicaragua	558	1989	4.76200	52.7
## 8226	Nicaragua	558	1991	4.43300	49.0
## 8228	Nicaragua	558	1993	4.10500	45.2
## 8230	Nicaragua	558	1995	3.78000	41.4
## 8232	Nicaragua	558	1997	3.47300	37.6
## 8234	Nicaragua	558	1999	3.20100	34.2
## 8236	Nicaragua	558	2001	2.97800	31.2
## 8238	Nicaragua	558	2003	2.80700	28.6
## 8240	Nicaragua	558	2005	2.67700	26.3
## 8242	Nicaragua	558	2007	2.57100	24.4
## 8244	Nicaragua	558	2009	2.47500	22.7
## 8246	Nicaragua	558	2011	2.38300	21.3
## 8248	Nicaragua	558	2013	2.30000	20.0
## 8250	Nicaragua	558	2015	2.23100	18.8
## 8252	Niger	562	1951	7.22000	NA
## 8254	Niger	562	1953	7.26000	NA
## 8256	Niger	562	1955	7.30000	NA
## 8258	Niger	562	1957	7.34000	NA
## 8260	Niger	562	1959	7.38000	NA
## 8262	Niger	562	1961	7.41600	NA
## 8264	Niger	562	1963	7.40700	NA
## 8266	Niger	562	1965	7.36900	NA
## 8268	Niger	562	1967	7.34500	133.1
## 8270	Niger	562	1969	7.36900	136.1
## 8272	Niger	562	1971	7.44100	139.1
## 8274	Niger	562	1973	7.52600	141.4
## 8276	Niger	562	1975	7.59000	141.4
## 8278	Niger	562	1977	7.61800	138.9
## 8280	Niger	562	1979	7.61700	135.7
## 8282	Niger	562	1981	7.60600	134.6
## 8284	Niger	562	1983	7.60800	136.7
## 8286	Niger	562	1985	7.63300	139.8
## 8288	Niger	562	1987	7.67300	141.4
## 8290	Niger	562	1989	7.70800	139.8
## 8292	Niger	562	1991	7.73000	135.6
## 8294	Niger	562	1993	7.74200	128.9

## 8296	Niger	562	1995	7.74900	119.9
## 8298	Niger	562	1997	7.74800	111.3
## 8300	Niger	562	1999	7.74200	104.3
## 8302	Niger	562	2001	7.73200	97.7
## 8304	Niger	562	2003	7.71800	90.2
## 8306	Niger	562	2005	7.70200	82.3
## 8308	Niger	562	2007	7.68800	75.2
## 8310	Niger	562	2009	7.67500	68.9
## 8312	Niger	562	2011	7.65600	63.7
## 8314	Niger	562	2013	7.62300	59.8
## 8316	Niger	562	2015	7.56700	57.1
## 8318	Nigeria	566	1951	6.35440	NA
## 8320	Nigeria	566	1953	6.35440	NA
## 8322	Nigeria	566	1955	6.35440	NA
## 8324	Nigeria	566	1957	6.35440	NA
## 8326	Nigeria	566	1959	6.35440	NA
## 8328	Nigeria	566	1961	6.35100	NA
## 8330	Nigeria	566	1963	6.34100	NA
## 8332	Nigeria	566	1965	6.33500	191.0
## 8334	Nigeria	566	1967	6.35900	182.6
## 8336	Nigeria	566	1969	6.42500	173.7
## 8338	Nigeria	566	1971	6.52200	164.1
## 8340	Nigeria	566	1973	6.62500	154.1
## 8342	Nigeria	566	1975	6.70600	144.4
## 8344	Nigeria	566	1977	6.75700	135.8
## 8346	Nigeria	566	1979	6.78100	129.3
## 8348	Nigeria	566	1981	6.77900	125.4
## 8350	Nigeria	566	1983	6.74900	123.9
## 8352	Nigeria	566	1985	6.69800	124.3
## 8354	Nigeria	566	1987	6.62500	125.4
## 8356	Nigeria	566	1989	6.53700	126.0
## 8358	Nigeria	566	1991	6.44300	125.8
## 8360	Nigeria	566	1993	6.34800	125.1
## 8362	Nigeria	566	1995	6.26200	123.4
## 8364	Nigeria	566	1997	6.19000	119.9
## 8366	Nigeria	566	1999	6.13100	114.8
## 8368	Nigeria	566	2001	6.08300	109.0
## 8370	Nigeria	566	2003	6.03600	102.9
## 8372	Nigeria	566	2005	5.98500	96.6
## 8374	Nigeria	566	2007	5.93000	90.3
## 8376	Nigeria	566	2009	5.87300	84.3
## 8378	Nigeria	566	2011	5.80200	78.8
## 8380	Nigeria	566	2013	5.70700	73.8
## 8382	Nigeria	566	2015	5.58700	69.4
## 8384	Norway	578	1951	2.41400	25.2
## 8386	Norway	578	1953	2.50800	22.5
## 8388	Norway	578	1955	2.60200	21.0
## 8390	Norway	578	1957	2.69600	20.0
## 8392	Norway	578	1959	2.79000	19.0
## 8394	Norway	578	1961	2.94000	18.0
## 8396	Norway	578	1963	2.93000	17.1
## 8398	Norway	578	1965	2.94000	16.0
## 8400	Norway	578	1967	2.81000	14.8
## 8402	Norway	578	1969	2.70000	13.7



## 8404	Norway	578	1971	2.49000	12.7
## 8406	Norway	578	1973	2.23000	11.6
## 8408	Norway	578	1975	1.98000	10.5
## 8410	Norway	578	1977	1.75000	9.3
## 8412	Norway	578	1979	1.75000	8.4
## 8414	Norway	578	1981	1.70000	8.0
## 8416	Norway	578	1983	1.66000	8.1
## 8418	Norway	578	1985	1.68000	8.3
## 8420	Norway	578	1987	1.74000	8.2
## 8422	Norway	578	1989	1.89000	7.5
## 8424	Norway	578	1991	1.92000	6.4
## 8426	Norway	578	1993	1.86000	5.3
## 8428	Norway	578	1995	1.87000	4.6
## 8430	Norway	578	1997	1.86000	4.2
## 8432	Norway	578	1999	1.85000	4.0
## 8434	Norway	578	2001	1.78000	3.8
## 8436	Norway	578	2003	1.80000	3.5
## 8438	Norway	578	2005	1.84000	3.2
## 8440	Norway	578	2007	1.90000	3.0
## 8442	Norway	578	2009	1.98000	2.7
## 8444	Norway	578	2011	1.88000	2.5
## 8446	Norway	578	2013	1.78000	2.3
## 8448	Norway	578	2015	1.75000	2.0
## 8450	Oman	512	1951	7.25200	NA
## 8452	Oman	512	1953	7.25200	NA
## 8454	Oman	512	1955	7.25200	NA
## 8456	Oman	512	1957	7.25200	NA
## 8458	Oman	512	1959	7.25200	NA
## 8460	Oman	512	1961	7.24800	NA
## 8462	Oman	512	1963	7.25600	218.7
## 8464	Oman	512	1965	7.27100	197.6
## 8466	Oman	512	1967	7.28200	178.5
## 8468	Oman	512	1969	7.29300	160.4
## 8470	Oman	512	1971	7.35000	143.9
## 8472	Oman	512	1973	7.50400	128.6
## 8474	Oman	512	1975	7.74700	114.2
## 8476	Oman	512	1977	8.01800	100.1
## 8478	Oman	512	1979	8.23200	86.1
## 8480	Oman	512	1981	8.33800	72.8
## 8482	Oman	512	1983	8.34000	60.7
## 8484	Oman	512	1985	8.22200	50.4
## 8486	Oman	512	1987	7.93300	41.8
## 8488	Oman	512	1989	7.46200	35.0
## 8490	Oman	512	1991	6.83100	29.3
## 8492	Oman	512	1993	6.09800	24.5
## 8494	Oman	512	1995	5.34600	20.7
## 8496	Oman	512	1997	4.63100	17.7
## 8498	Oman	512	1999	3.99200	15.3
## 8500	Oman	512	2001	3.48800	13.3
## 8502	Oman	512	2003	3.14800	11.9
## 8504	Oman	512	2005	2.95700	10.9
## 8506	Oman	512	2007	2.89200	10.4
## 8508	Oman	512	2009	2.88800	10.1
## 8510	Oman	512	2011	2.87900	10.0

## 8512	Oman	512	2013	2.82300	10.0
## 8514	Oman	512	2015	2.71200	9.9
## 8516	Pakistan	586	1951	6.60000	286.7
## 8518	Pakistan	586	1953	6.60000	260.2
## 8520	Pakistan	586	1955	6.60000	236.8
## 8522	Pakistan	586	1957	6.60000	216.6
## 8524	Pakistan	586	1959	6.60000	199.5
## 8526	Pakistan	586	1961	6.60000	184.8
## 8528	Pakistan	586	1963	6.60000	171.7
## 8530	Pakistan	586	1965	6.60000	160.5
## 8532	Pakistan	586	1967	6.60000	151.5
## 8534	Pakistan	586	1969	6.60000	144.3
## 8536	Pakistan	586	1971	6.60200	138.3
## 8538	Pakistan	586	1973	6.60800	133.4
## 8540	Pakistan	586	1975	6.61200	129.4
## 8542	Pakistan	586	1977	6.59900	126.1
## 8544	Pakistan	586	1979	6.56100	123.4
## 8546	Pakistan	586	1981	6.50800	120.7
## 8548	Pakistan	586	1983	6.46000	117.9
## 8550	Pakistan	586	1985	6.40700	114.8
## 8552	Pakistan	586	1987	6.31000	111.4
## 8554	Pakistan	586	1989	6.13800	107.8
## 8556	Pakistan	586	1991	5.89600	104.3
## 8558	Pakistan	586	1993	5.62200	100.7
## 8560	Pakistan	586	1995	5.34200	97.1
## 8562	Pakistan	586	1997	5.04800	93.3
## 8564	Pakistan	586	1999	4.73300	89.5
## 8566	Pakistan	586	2001	4.43800	86.0
## 8568	Pakistan	586	2003	4.21100	82.9
## 8570	Pakistan	586	2005	4.06700	80.0
## 8572	Pakistan	586	2007	3.98000	77.4
## 8574	Pakistan	586	2009	3.90100	74.8
## 8576	Pakistan	586	2011	3.80200	72.1
## 8578	Pakistan	586	2013	3.68200	69.1
## 8580	Pakistan	586	2015	3.55000	65.8
## 8582	Panama	591	1951	5.67738	84.1
## 8584	Panama	591	1953	5.72074	79.8
## 8586	Panama	591	1955	5.76410	75.7
## 8588	Panama	591	1957	5.80746	72.0
## 8590	Panama	591	1959	5.85082	68.6
## 8592	Panama	591	1961	5.84600	65.3
## 8594	Panama	591	1963	5.76500	61.9
## 8596	Panama	591	1965	5.63800	59.0
## 8598	Panama	591	1967	5.47200	56.2
## 8600	Panama	591	1969	5.27900	53.2
## 8602	Panama	591	1971	5.06000	49.5
## 8604	Panama	591	1973	4.81000	45.4
## 8606	Panama	591	1975	4.53700	41.8
## 8608	Panama	591	1977	4.26000	39.0
## 8610	Panama	591	1979	4.00200	36.8
## 8612	Panama	591	1981	3.77500	34.6
## 8614	Panama	591	1983	3.58100	32.3
## 8616	Panama	591	1985	3.41300	30.1
## 8618	Panama	591	1987	3.26200	28.1

## 8620	Panama	591	1989	3.12100	26.4
## 8622	Panama	591	1991	3.00000	25.1
## 8624	Panama	591	1993	2.91400	24.2
## 8626	Panama	591	1995	2.85800	23.5
## 8628	Panama	591	1997	2.80800	23.0
## 8630	Panama	591	1999	2.74300	22.3
## 8632	Panama	591	2001	2.66700	21.4
## 8634	Panama	591	2003	2.60300	20.4
## 8636	Panama	591	2005	2.56200	19.4
## 8638	Panama	591	2007	2.54100	18.5
## 8640	Panama	591	2009	2.52400	17.5
## 8642	Panama	591	2011	2.50000	16.5
## 8644	Panama	591	2013	2.46500	15.5
## 8646	Panama	591	2015	2.42100	14.6
## 8648	Papua New Guinea	598	1951	6.22120	NA
## 8650	Papua New Guinea	598	1953	6.22960	NA
## 8652	Papua New Guinea	598	1955	6.23800	155.6
## 8654	Papua New Guinea	598	1957	6.24640	146.6
## 8656	Papua New Guinea	598	1959	6.25480	138.5
## 8658	Papua New Guinea	598	1961	6.27800	130.7
## 8660	Papua New Guinea	598	1963	6.27500	123.2
## 8662	Papua New Guinea	598	1965	6.25800	116.1
## 8664	Papua New Guinea	598	1967	6.22700	109.5
## 8666	Papua New Guinea	598	1969	6.18700	103.1
## 8668	Papua New Guinea	598	1971	6.13700	97.1
## 8670	Papua New Guinea	598	1973	6.07700	91.7
## 8672	Papua New Guinea	598	1975	6.00000	86.9
## 8674	Papua New Guinea	598	1977	5.90000	82.5
## 8676	Papua New Guinea	598	1979	5.77100	78.8
## 8678	Papua New Guinea	598	1981	5.60900	75.5
## 8680	Papua New Guinea	598	1983	5.41500	72.6
## 8682	Papua New Guinea	598	1985	5.21000	70.2
## 8684	Papua New Guinea	598	1987	5.01800	68.1
## 8686	Papua New Guinea	598	1989	4.86100	66.2
## 8688	Papua New Guinea	598	1991	4.75600	64.4
## 8690	Papua New Guinea	598	1993	4.70000	62.6
## 8692	Papua New Guinea	598	1995	4.66800	61.2
## 8694	Papua New Guinea	598	1997	4.63200	59.9
## 8696	Papua New Guinea	598	1999	4.56900	58.8
## 8698	Papua New Guinea	598	2001	4.47500	57.8
## 8700	Papua New Guinea	598	2003	4.36800	56.7
## 8702	Papua New Guinea	598	2005	4.26300	55.6
## 8704	Papua New Guinea	598	2007	4.15700	53.8
## 8706	Papua New Guinea	598	2009	4.04400	51.6
## 8708	Papua New Guinea	598	2011	3.92700	49.2
## 8710	Papua New Guinea	598	2013	3.81200	47.0
## 8712	Papua New Guinea	598	2015	3.70500	44.5
## 8714	Paraguay	600	1951	6.50000	NA
## 8716	Paraguay	600	1953	6.50000	NA
## 8718	Paraguay	600	1955	6.50000	NA
## 8720	Paraguay	600	1957	6.50000	64.8
## 8722	Paraguay	600	1959	6.50000	63.3
## 8724	Paraguay	600	1961	6.48900	62.0
## 8726	Paraguay	600	1963	6.44700	60.9

## 8728	Paraguay	600	1965	6.35600	60.0
## 8730	Paraguay	600	1967	6.17000	59.3
## 8732	Paraguay	600	1969	5.89400	58.4
## 8734	Paraguay	600	1971	5.59100	57.4
## 8736	Paraguay	600	1973	5.35100	56.1
## 8738	Paraguay	600	1975	5.22300	54.5
## 8740	Paraguay	600	1977	5.18900	52.6
## 8742	Paraguay	600	1979	5.18300	50.5
## 8744	Paraguay	600	1981	5.15500	48.3
## 8746	Paraguay	600	1983	5.08700	45.7
## 8748	Paraguay	600	1985	4.97400	43.2
## 8750	Paraguay	600	1987	4.81800	40.7
## 8752	Paraguay	600	1989	4.63900	38.3
## 8754	Paraguay	600	1991	4.45700	35.9
## 8756	Paraguay	600	1993	4.28200	33.8
## 8758	Paraguay	600	1995	4.10800	31.8
## 8760	Paraguay	600	1997	3.91100	30.1
## 8762	Paraguay	600	1999	3.67800	28.5
## 8764	Paraguay	600	2001	3.43100	26.9
## 8766	Paraguay	600	2003	3.21000	25.3
## 8768	Paraguay	600	2005	3.04000	23.8
## 8770	Paraguay	600	2007	2.90700	22.4
## 8772	Paraguay	600	2009	2.78700	21.0
## 8774	Paraguay	600	2011	2.67500	19.8
## 8776	Paraguay	600	2013	2.58100	18.6
## 8778	Paraguay	600	2015	2.50900	17.5
## 8780	Peru	604	1951	6.95000	NA
## 8782	Peru	604	1953	6.95000	168.1
## 8784	Peru	604	1955	6.95000	156.2
## 8786	Peru	604	1957	6.95000	146.6
## 8788	Peru	604	1959	6.95000	139.2
## 8790	Peru	604	1961	6.97000	132.6
## 8792	Peru	604	1963	6.94800	125.4
## 8794	Peru	604	1965	6.87800	118.2
## 8796	Peru	604	1967	6.73300	111.6
## 8798	Peru	604	1969	6.51000	106.0
## 8800	Peru	604	1971	6.23900	100.9
## 8802	Peru	604	1973	5.96300	95.8
## 8804	Peru	604	1975	5.70500	91.0
## 8806	Peru	604	1977	5.44700	87.0
## 8808	Peru	604	1979	5.16700	83.9
## 8810	Peru	604	1981	4.87500	80.7
## 8812	Peru	604	1983	4.60000	76.3
## 8814	Peru	604	1985	4.35800	70.7
## 8816	Peru	604	1987	4.14200	64.6
## 8818	Peru	604	1989	3.93300	58.9
## 8820	Peru	604	1991	3.72200	53.7
## 8822	Peru	604	1993	3.51400	48.2
## 8824	Peru	604	1995	3.31700	42.5
## 8826	Peru	604	1997	3.14200	36.9
## 8828	Peru	604	1999	2.99300	31.8
## 8830	Peru	604	2001	2.87100	27.6
## 8832	Peru	604	2003	2.77000	24.1
## 8834	Peru	604	2005	2.68400	21.3

## 8836	Peru	604	2007	2.61600	19.0
## 8838	Peru	604	2009	2.56600	17.1
## 8840	Peru	604	2011	2.52500	15.6
## 8842	Peru	604	2013	2.48000	14.2
## 8844	Peru	604	2015	2.42700	13.1
## 8846	Philippines	608	1951	7.54082	NA
## 8848	Philippines	608	1953	7.48046	87.5
## 8850	Philippines	608	1955	7.42010	81.1
## 8852	Philippines	608	1957	7.35974	75.3
## 8854	Philippines	608	1959	7.29938	70.1
## 8856	Philippines	608	1961	7.08700	65.9
## 8858	Philippines	608	1963	6.94700	62.7
## 8860	Philippines	608	1965	6.78100	60.2
## 8862	Philippines	608	1967	6.58900	58.0
## 8864	Philippines	608	1969	6.37600	56.1
## 8866	Philippines	608	1971	6.15200	54.9
## 8868	Philippines	608	1973	5.93100	54.5
## 8870	Philippines	608	1975	5.71800	54.4
## 8872	Philippines	608	1977	5.50600	54.2
## 8874	Philippines	608	1979	5.29000	53.7
## 8876	Philippines	608	1981	5.07800	52.8
## 8878	Philippines	608	1983	4.88300	51.7
## 8880	Philippines	608	1985	4.71200	49.8
## 8882	Philippines	608	1987	4.55400	46.7
## 8884	Philippines	608	1989	4.39700	42.8
## 8886	Philippines	608	1991	4.24600	39.0
## 8888	Philippines	608	1993	4.11300	35.9
## 8890	Philippines	608	1995	4.00600	33.5
## 8892	Philippines	608	1997	3.92300	31.8
## 8894	Philippines	608	1999	3.85200	30.5
## 8896	Philippines	608	2001	3.76700	29.4
## 8898	Philippines	608	2003	3.64400	28.4
## 8900	Philippines	608	2005	3.48700	27.4
## 8902	Philippines	608	2007	3.32400	26.4
## 8904	Philippines	608	2009	3.18700	25.4
## 8906	Philippines	608	2011	3.08800	24.4
## 8908	Philippines	608	2013	3.01100	23.3
## 8910	Philippines	608	2015	2.94400	22.2
## 8912	Poland	616	1951	3.75852	NA
## 8914	Poland	616	1953	3.69436	NA
## 8916	Poland	616	1955	3.63020	NA
## 8918	Poland	616	1957	3.56604	NA
## 8920	Poland	616	1959	3.50188	65.0
## 8922	Poland	616	1961	2.83000	53.0
## 8924	Poland	616	1963	2.70000	46.8
## 8926	Poland	616	1965	2.52000	40.8
## 8928	Poland	616	1967	2.33000	35.7
## 8930	Poland	616	1969	2.20000	33.4
## 8932	Poland	616	1971	2.25000	30.6
## 8934	Poland	616	1973	2.26000	26.9
## 8936	Poland	616	1975	2.27000	24.5
## 8938	Poland	616	1977	2.23000	23.3
## 8940	Poland	616	1979	2.28000	21.7
## 8942	Poland	616	1981	2.24000	20.5

## 8944	Poland	616	1983	2.42000	19.3
## 8946	Poland	616	1985	2.33000	17.8
## 8948	Poland	616	1987	2.15000	16.6
## 8950	Poland	616	1989	2.08000	15.7
## 8952	Poland	616	1991	2.07000	14.7
## 8954	Poland	616	1993	1.87000	13.9
## 8956	Poland	616	1995	1.62000	12.6
## 8958	Poland	616	1997	1.51000	10.4
## 8960	Poland	616	1999	1.38000	8.6
## 8962	Poland	616	2001	1.31000	7.6
## 8964	Poland	616	2003	1.22000	7.0
## 8966	Poland	616	2005	1.24000	6.6
## 8968	Poland	616	2007	1.31000	6.0
## 8970	Poland	616	2009	1.40000	5.3
## 8972	Poland	616	2011	1.33000	4.7
## 8974	Poland	616	2013	1.29000	4.5
## 8976	Poland	616	2015	1.32000	4.5
## 8978	Portugal	620	1951	3.08056	NA
## 8980	Portugal	620	1953	3.08968	NA
## 8982	Portugal	620	1955	3.09880	89.0
## 8984	Portugal	620	1957	3.10792	87.0
## 8986	Portugal	620	1959	3.11704	85.7
## 8988	Portugal	620	1961	3.21000	82.3
## 8990	Portugal	620	1963	3.12000	74.4
## 8992	Portugal	620	1965	3.15000	66.4
## 8994	Portugal	620	1967	3.16000	61.7
## 8996	Portugal	620	1969	3.12000	58.1
## 8998	Portugal	620	1971	3.00000	51.8
## 9000	Portugal	620	1973	2.77000	43.3
## 9002	Portugal	620	1975	2.75000	36.0
## 9004	Portugal	620	1977	2.69000	29.5
## 9006	Portugal	620	1979	2.31000	24.6
## 9008	Portugal	620	1981	2.13000	21.3
## 9010	Portugal	620	1983	1.95000	18.6
## 9012	Portugal	620	1985	1.72000	16.5
## 9014	Portugal	620	1987	1.62000	14.5
## 9016	Portugal	620	1989	1.57000	12.5
## 9018	Portugal	620	1991	1.56000	10.6
## 9020	Portugal	620	1993	1.52000	8.8
## 9022	Portugal	620	1995	1.41000	7.4
## 9024	Portugal	620	1997	1.47000	6.6
## 9026	Portugal	620	1999	1.50000	5.9
## 9028	Portugal	620	2001	1.45000	5.2
## 9030	Portugal	620	2003	1.44000	4.3
## 9032	Portugal	620	2005	1.41000	3.7
## 9034	Portugal	620	2007	1.35000	3.3
## 9036	Portugal	620	2009	1.34000	3.2
## 9038	Portugal	620	2011	1.35000	3.1
## 9040	Portugal	620	2013	1.21000	3.1
## 9042	Portugal	620	2015	1.23000	3.0
## 9044	Qatar	634	1951	6.97000	NA
## 9046	Qatar	634	1953	6.97000	NA
## 9048	Qatar	634	1955	6.97000	NA
## 9050	Qatar	634	1957	6.97000	NA

## 9052	Qatar	634	1959	6.97000	NA
## 9054	Qatar	634	1961	6.97300	NA
## 9056	Qatar	634	1963	6.98100	NA
## 9058	Qatar	634	1965	6.98700	NA
## 9060	Qatar	634	1967	6.98300	NA
## 9062	Qatar	634	1969	6.95200	53.5
## 9064	Qatar	634	1971	6.86600	47.5
## 9066	Qatar	634	1973	6.70300	42.2
## 9068	Qatar	634	1975	6.47400	37.7
## 9070	Qatar	634	1977	6.21100	34.0
## 9072	Qatar	634	1979	5.94700	31.0
## 9074	Qatar	634	1981	5.66500	28.4
## 9076	Qatar	634	1983	5.32600	26.0
## 9078	Qatar	634	1985	4.92900	23.7
## 9080	Qatar	634	1987	4.52100	21.3
## 9082	Qatar	634	1989	4.16300	18.9
## 9084	Qatar	634	1991	3.89400	16.7
## 9086	Qatar	634	1993	3.71500	14.7
## 9088	Qatar	634	1995	3.59000	13.2
## 9090	Qatar	634	1997	3.47600	12.0
## 9092	Qatar	634	1999	3.33300	11.1
## 9094	Qatar	634	2001	3.12600	10.2
## 9096	Qatar	634	2003	2.85500	9.5
## 9098	Qatar	634	2005	2.56200	8.9
## 9100	Qatar	634	2007	2.31200	8.4
## 9102	Qatar	634	2009	2.15000	7.9
## 9104	Qatar	634	2011	2.07700	7.5
## 9106	Qatar	634	2013	2.04300	7.2
## 9108	Qatar	634	2015	2.00700	6.8
## 9110	Romania	642	1951	3.31928	NA
## 9112	Romania	642	1953	3.18944	NA
## 9114	Romania	642	1955	3.05960	NA
## 9116	Romania	642	1957	2.92976	NA
## 9118	Romania	642	1959	2.79992	NA
## 9120	Romania	642	1961	2.17000	NA
## 9122	Romania	642	1963	2.01000	NA
## 9124	Romania	642	1965	1.91000	NA
## 9126	Romania	642	1967	3.66000	NA
## 9128	Romania	642	1969	3.19000	60.9
## 9130	Romania	642	1971	2.67000	53.4
## 9132	Romania	642	1973	2.44000	47.3
## 9134	Romania	642	1975	2.59000	42.8
## 9136	Romania	642	1977	2.57000	39.3
## 9138	Romania	642	1979	2.49000	36.3
## 9140	Romania	642	1981	2.36000	33.6
## 9142	Romania	642	1983	2.06000	31.8
## 9144	Romania	642	1985	2.31000	31.8
## 9146	Romania	642	1987	2.38000	32.6
## 9148	Romania	642	1989	2.22000	32.0
## 9150	Romania	642	1991	1.59000	30.1
## 9152	Romania	642	1993	1.43000	28.5
## 9154	Romania	642	1995	1.33000	27.3
## 9156	Romania	642	1997	1.32000	26.0
## 9158	Romania	642	1999	1.30000	24.2

##	9160	Romania	642	2001	1.27000	22.4
##	9162	Romania	642	2003	1.30000	20.6
##	9164	Romania	642	2005	1.40000	18.2
##	9166	Romania	642	2007	1.45000	15.3
##	9168	Romania	642	2009	1.66000	13.0
##	9170	Romania	642	2011	1.47000	11.5
##	9172	Romania	642	2013	1.41000	10.5
##	9174	Romania	642	2015	1.52000	9.7
##	9176	Russian Federation	643	1951	2.87400	NA
##	9178	Russian Federation	643	1953	2.86200	NA
##	9180	Russian Federation	643	1955	2.85000	NA
##	9182	Russian Federation	643	1957	2.83800	NA
##	9184	Russian Federation	643	1959	2.82600	NA
##	9186	Russian Federation	643	1961	2.45000	NA
##	9188	Russian Federation	643	1963	2.27000	NA
##	9190	Russian Federation	643	1965	2.13000	NA
##	9192	Russian Federation	643	1967	2.04000	NA
##	9194	Russian Federation	643	1969	1.97000	NA
##	9196	Russian Federation	643	1971	2.03000	34.1
##	9198	Russian Federation	643	1973	2.01000	31.8
##	9200	Russian Federation	643	1975	1.98000	29.9
##	9202	Russian Federation	643	1977	1.95000	28.7
##	9204	Russian Federation	643	1979	1.90000	27.8
##	9206	Russian Federation	643	1981	1.91000	26.9
##	9208	Russian Federation	643	1983	2.11000	26.0
##	9210	Russian Federation	643	1985	2.05000	25.0
##	9212	Russian Federation	643	1987	2.22000	23.5
##	9214	Russian Federation	643	1989	2.01000	22.2
##	9216	Russian Federation	643	1991	1.73200	21.9
##	9218	Russian Federation	643	1993	1.38500	22.1
##	9220	Russian Federation	643	1995	1.33700	22.2
##	9222	Russian Federation	643	1997	1.21800	21.6
##	9224	Russian Federation	643	1999	1.15700	20.5
##	9226	Russian Federation	643	2001	1.22300	18.8
##	9228	Russian Federation	643	2003	1.32000	16.6
##	9230	Russian Federation	643	2005	1.29400	14.4
##	9232	Russian Federation	643	2007	1.41600	12.4
##	9234	Russian Federation	643	2009	1.54200	10.9
##	9236	Russian Federation	643	2011	1.58200	9.8
##	9238	Russian Federation	643	2013	1.70700	8.9
##	9240	Russian Federation	643	2015	1.75000	8.2
##	9242	Rwanda	646	1951	7.88000	NA
##	9244	Rwanda	646	1953	7.94000	NA
##	9246	Rwanda	646	1955	8.00000	NA
##	9248	Rwanda	646	1957	8.06000	140.5
##	9250	Rwanda	646	1959	8.12000	131.2
##	9252	Rwanda	646	1961	8.19400	125.3
##	9254	Rwanda	646	1963	8.19800	122.4
##	9256	Rwanda	646	1965	8.19800	122.2
##	9258	Rwanda	646	1967	8.20100	124.0
##	9260	Rwanda	646	1969	8.21700	127.3
##	9262	Rwanda	646	1971	8.25200	131.5
##	9264	Rwanda	646	1973	8.30700	137.3
##	9266	Rwanda	646	1975	8.37000	144.8



## 9268	Rwanda	646	1977	8.42300	148.0
## 9270	Rwanda	646	1979	8.44900	138.0
## 9272	Rwanda	646	1981	8.43900	120.0
## 9274	Rwanda	646	1983	8.39700	105.3
## 9276	Rwanda	646	1985	8.28500	97.8
## 9278	Rwanda	646	1987	8.01300	93.1
## 9280	Rwanda	646	1989	7.56200	91.8
## 9282	Rwanda	646	1991	7.01500	96.3
## 9284	Rwanda	646	1993	6.51800	109.0
## 9286	Rwanda	646	1995	6.15900	129.6
## 9288	Rwanda	646	1997	5.92600	121.7
## 9290	Rwanda	646	1999	5.73400	115.2
## 9292	Rwanda	646	2001	5.54500	102.3
## 9294	Rwanda	646	2003	5.35300	86.0
## 9296	Rwanda	646	2005	5.14600	70.2
## 9298	Rwanda	646	2007	4.89500	56.8
## 9300	Rwanda	646	2009	4.59800	47.3
## 9302	Rwanda	646	2011	4.28700	40.0
## 9304	Rwanda	646	2013	4.01200	34.7
## 9306	Rwanda	646	2015	3.80000	31.1
## 9308	Samoa	882	1951	7.62970	NA
## 9310	Samoa	882	1953	7.62970	NA
## 9312	Samoa	882	1955	7.62970	NA
## 9314	Samoa	882	1957	7.62970	NA
## 9316	Samoa	882	1959	7.62970	NA
## 9318	Samoa	882	1961	7.64500	NA
## 9320	Samoa	882	1963	7.60400	NA
## 9322	Samoa	882	1965	7.51900	NA
## 9324	Samoa	882	1967	7.40000	NA
## 9326	Samoa	882	1969	7.26500	NA
## 9328	Samoa	882	1971	7.11900	NA
## 9330	Samoa	882	1973	6.95200	NA
## 9332	Samoa	882	1975	6.76100	NA
## 9334	Samoa	882	1977	6.54700	NA
## 9336	Samoa	882	1979	6.32000	NA
## 9338	Samoa	882	1981	6.08600	NA
## 9340	Samoa	882	1983	5.85000	NA
## 9342	Samoa	882	1985	5.62000	30.5
## 9344	Samoa	882	1987	5.40400	28.4
## 9346	Samoa	882	1989	5.20800	26.6
## 9348	Samoa	882	1991	5.03400	25.0
## 9350	Samoa	882	1993	4.88200	23.4
## 9352	Samoa	882	1995	4.75100	21.8
## 9354	Samoa	882	1997	4.63700	20.4
## 9356	Samoa	882	1999	4.54100	19.1
## 9358	Samoa	882	2001	4.47600	17.9
## 9360	Samoa	882	2003	4.45400	17.1
## 9362	Samoa	882	2005	4.46000	16.5
## 9364	Samoa	882	2007	4.45000	16.2
## 9366	Samoa	882	2009	4.38900	17.0
## 9368	Samoa	882	2011	4.27700	16.0
## 9370	Samoa	882	2013	4.14700	15.6
## 9372	Samoa	882	2015	4.02800	15.0
## 9374	Sao Tome and Principe	678	1951	6.20000	NA

## 9376	Sao Tome and Principe	678 1953 6.20000	NA
## 9378	Sao Tome and Principe	678 1955 6.20000	NA
## 9380	Sao Tome and Principe	678 1957 6.20000	NA
## 9382	Sao Tome and Principe	678 1959 6.20000	NA
## 9384	Sao Tome and Principe	678 1961 6.26300	NA
## 9386	Sao Tome and Principe	678 1963 6.30600	NA
## 9388	Sao Tome and Principe	678 1965 6.34900	62.9
## 9390	Sao Tome and Principe	678 1967 6.39400	59.5
## 9392	Sao Tome and Principe	678 1969 6.44400	57.4
## 9394	Sao Tome and Principe	678 1971 6.49000	57.1
## 9396	Sao Tome and Principe	678 1973 6.52500	58.0
## 9398	Sao Tome and Principe	678 1975 6.53400	58.9
## 9400	Sao Tome and Principe	678 1977 6.50400	59.4
## 9402	Sao Tome and Principe	678 1979 6.43400	59.9
## 9404	Sao Tome and Principe	678 1981 6.33300	61.2
## 9406	Sao Tome and Principe	678 1983 6.21700	63.3
## 9408	Sao Tome and Principe	678 1985 6.10100	66.0
## 9410	Sao Tome and Principe	678 1987 5.98800	68.4
## 9412	Sao Tome and Principe	678 1989 5.87600	70.0
## 9414	Sao Tome and Principe	678 1991 5.76500	70.8
## 9416	Sao Tome and Principe	678 1993 5.65500	70.2
## 9418	Sao Tome and Principe	678 1995 5.54500	68.1
## 9420	Sao Tome and Principe	678 1997 5.43700	64.8
## 9422	Sao Tome and Principe	678 1999 5.33000	60.7
## 9424	Sao Tome and Principe	678 2001 5.22600	56.2
## 9426	Sao Tome and Principe	678 2003 5.12300	51.8
## 9428	Sao Tome and Principe	678 2005 5.02200	47.5
## 9430	Sao Tome and Principe	678 2007 4.92700	43.9
## 9432	Sao Tome and Principe	678 2009 4.83500	41.0
## 9434	Sao Tome and Principe	678 2011 4.74000	38.7
## 9436	Sao Tome and Principe	678 2013 4.63400	36.6
## 9438	Sao Tome and Principe	678 2015 4.51600	34.6
## 9440	Saudi Arabia	682 1951 7.17500	NA
## 9442	Saudi Arabia	682 1953 7.17500	NA
## 9444	Saudi Arabia	682 1955 7.17500	NA
## 9446	Saudi Arabia	682 1957 7.17500	NA
## 9448	Saudi Arabia	682 1959 7.17500	NA
## 9450	Saudi Arabia	682 1961 7.23000	NA
## 9452	Saudi Arabia	682 1963 7.25200	NA
## 9454	Saudi Arabia	682 1965 7.26000	NA
## 9456	Saudi Arabia	682 1967 7.26400	NA
## 9458	Saudi Arabia	682 1969 7.27300	NA
## 9460	Saudi Arabia	682 1971 7.28900	NA
## 9462	Saudi Arabia	682 1973 7.30700	104.1
## 9464	Saudi Arabia	682 1975 7.31300	93.1
## 9466	Saudi Arabia	682 1977 7.29900	83.4
## 9468	Saudi Arabia	682 1979 7.25200	74.8
## 9470	Saudi Arabia	682 1981 7.13800	66.8
## 9472	Saudi Arabia	682 1983 6.93300	59.4
## 9474	Saudi Arabia	682 1985 6.64900	52.3
## 9476	Saudi Arabia	682 1987 6.33800	45.2
## 9478	Saudi Arabia	682 1989 6.04500	38.5
## 9480	Saudi Arabia	682 1991 5.76000	32.8
## 9482	Saudi Arabia	682 1993 5.43300	28.2

## 9484	Saudi Arabia	682	1995	5.04500	24.8
## 9486	Saudi Arabia	682	1997	4.60800	22.1
## 9488	Saudi Arabia	682	1999	4.17500	20.2
## 9490	Saudi Arabia	682	2001	3.79700	18.7
## 9492	Saudi Arabia	682	2003	3.50400	17.6
## 9494	Saudi Arabia	682	2005	3.30000	16.8
## 9496	Saudi Arabia	682	2007	3.16000	16.0
## 9498	Saudi Arabia	682	2009	3.04400	15.1
## 9500	Saudi Arabia	682	2011	2.93000	14.2
## 9502	Saudi Arabia	682	2013	2.81800	13.3
## 9504	Saudi Arabia	682	2015	2.71300	12.5
## 9506	Senegal	686	1951	6.72000	140.2
## 9508	Senegal	686	1953	6.76000	136.0
## 9510	Senegal	686	1955	6.80000	132.0
## 9512	Senegal	686	1957	6.84000	128.8
## 9514	Senegal	686	1959	6.88000	126.8
## 9516	Senegal	686	1961	6.99400	126.0
## 9518	Senegal	686	1963	7.07700	125.9
## 9520	Senegal	686	1965	7.15400	125.7
## 9522	Senegal	686	1967	7.23000	124.7
## 9524	Senegal	686	1969	7.30500	123.1
## 9526	Senegal	686	1971	7.37400	119.8
## 9528	Senegal	686	1973	7.43200	114.7
## 9530	Senegal	686	1975	7.46500	108.0
## 9532	Senegal	686	1977	7.46100	100.7
## 9534	Senegal	686	1979	7.41800	94.3
## 9536	Senegal	686	1981	7.33700	89.5
## 9538	Senegal	686	1983	7.22500	85.4
## 9540	Senegal	686	1985	7.08900	80.8
## 9542	Senegal	686	1987	6.92500	75.5
## 9544	Senegal	686	1989	6.73400	71.5
## 9546	Senegal	686	1991	6.51900	69.7
## 9548	Senegal	686	1993	6.28700	69.9
## 9550	Senegal	686	1995	6.05300	70.8
## 9552	Senegal	686	1997	5.83300	71.2
## 9554	Senegal	686	1999	5.63800	70.0
## 9556	Senegal	686	2001	5.47400	66.4
## 9558	Senegal	686	2003	5.33800	61.3
## 9560	Senegal	686	2005	5.23200	56.3
## 9562	Senegal	686	2007	5.17700	51.9
## 9564	Senegal	686	2009	5.17100	48.3
## 9566	Senegal	686	2011	5.17300	45.3
## 9568	Senegal	686	2013	5.13400	43.1
## 9570	Senegal	686	2015	5.03100	41.7
## 9572	Serbia	688	1951	3.74000	NA
## 9574	Serbia	688	1953	3.48000	NA
## 9576	Serbia	688	1955	3.22000	NA
## 9578	Serbia	688	1957	2.96000	NA
## 9580	Serbia	688	1959	2.70000	NA
## 9582	Serbia	688	1961	2.55800	NA
## 9584	Serbia	688	1963	2.53400	NA
## 9586	Serbia	688	1965	2.51000	NA
## 9588	Serbia	688	1967	2.47800	NA
## 9590	Serbia	688	1969	2.44600	NA

## 9592	Serbia	688	1971	2.41600	NA
## 9594	Serbia	688	1973	2.38800	NA
## 9596	Serbia	688	1975	2.36000	NA
## 9598	Serbia	688	1977	2.36400	NA
## 9600	Serbia	688	1979	2.36800	NA
## 9602	Serbia	688	1981	2.36000	NA
## 9604	Serbia	688	1983	2.34000	NA
## 9606	Serbia	688	1985	2.32000	33.5
## 9608	Serbia	688	1987	2.28400	31.1
## 9610	Serbia	688	1989	2.24800	26.8
## 9612	Serbia	688	1991	2.17600	22.3
## 9614	Serbia	688	1993	2.06800	19.9
## 9616	Serbia	688	1995	1.96000	17.0
## 9618	Serbia	688	1997	1.90848	13.3
## 9620	Serbia	688	1999	1.85696	11.4
## 9622	Serbia	688	2001	1.80664	10.6
## 9624	Serbia	688	2003	1.75752	9.2
## 9626	Serbia	688	2005	1.70840	7.7
## 9628	Serbia	688	2007	1.65844	7.1
## 9630	Serbia	688	2009	1.60848	6.8
## 9632	Serbia	688	2011	1.58510	6.4
## 9634	Serbia	688	2013	1.58830	6.0
## 9636	Serbia	688	2015	1.59150	5.9
## 9638	Seychelles	690	1951	5.00000	83.0
## 9640	Seychelles	690	1953	5.00000	81.3
## 9642	Seychelles	690	1955	5.00000	79.2
## 9644	Seychelles	690	1957	5.00000	77.0
## 9646	Seychelles	690	1959	5.00000	74.8
## 9648	Seychelles	690	1961	5.11800	72.3
## 9650	Seychelles	690	1963	5.35400	69.5
## 9652	Seychelles	690	1965	5.59000	66.0
## 9654	Seychelles	690	1967	5.72200	61.8
## 9656	Seychelles	690	1969	5.85400	56.8
## 9658	Seychelles	690	1971	5.81238	51.4
## 9660	Seychelles	690	1973	5.59714	45.8
## 9662	Seychelles	690	1975	5.38190	39.7
## 9664	Seychelles	690	1977	4.93698	33.5
## 9666	Seychelles	690	1979	4.49206	27.8
## 9668	Seychelles	690	1981	4.11722	23.2
## 9670	Seychelles	690	1983	3.81246	19.8
## 9672	Seychelles	690	1985	3.50770	17.5
## 9674	Seychelles	690	1987	3.27970	15.9
## 9676	Seychelles	690	1989	3.05170	14.7
## 9678	Seychelles	690	1991	2.86484	13.7
## 9680	Seychelles	690	1993	2.71912	13.0
## 9682	Seychelles	690	1995	2.57340	12.5
## 9684	Seychelles	690	1997	2.41524	12.2
## 9686	Seychelles	690	1999	2.25708	12.2
## 9688	Seychelles	690	2001	2.18240	12.3
## 9690	Seychelles	690	2003	2.19120	12.3
## 9692	Seychelles	690	2005	2.20000	12.3
## 9694	Seychelles	690	2007	2.24000	12.2
## 9696	Seychelles	690	2009	2.28000	12.2
## 9698	Seychelles	690	2011	2.31600	12.2

## 9700	Seychelles	690	2013	2.34800	12.1
## 9702	Seychelles	690	2015	2.38000	11.7
## 9704	Sierra Leone	694	1951	6.02970	NA
## 9706	Sierra Leone	694	1953	6.02970	NA
## 9708	Sierra Leone	694	1955	6.02970	NA
## 9710	Sierra Leone	694	1957	6.02970	NA
## 9712	Sierra Leone	694	1959	6.02970	NA
## 9714	Sierra Leone	694	1961	5.96900	220.5
## 9716	Sierra Leone	694	1963	5.96500	214.2
## 9718	Sierra Leone	694	1965	5.96300	207.6
## 9720	Sierra Leone	694	1967	5.96700	200.8
## 9722	Sierra Leone	694	1969	5.98600	194.1
## 9724	Sierra Leone	694	1971	6.02300	188.0
## 9726	Sierra Leone	694	1973	6.07900	182.6
## 9728	Sierra Leone	694	1975	6.15000	177.5
## 9730	Sierra Leone	694	1977	6.23000	173.2
## 9732	Sierra Leone	694	1979	6.31400	169.2
## 9734	Sierra Leone	694	1981	6.40000	165.6
## 9736	Sierra Leone	694	1983	6.49000	162.8
## 9738	Sierra Leone	694	1985	6.57600	160.4
## 9740	Sierra Leone	694	1987	6.64000	158.3
## 9742	Sierra Leone	694	1989	6.67000	157.0
## 9744	Sierra Leone	694	1991	6.65900	156.1
## 9746	Sierra Leone	694	1993	6.61400	155.2
## 9748	Sierra Leone	694	1995	6.54300	153.4
## 9750	Sierra Leone	694	1997	6.44800	150.1
## 9752	Sierra Leone	694	1999	6.32700	145.8
## 9754	Sierra Leone	694	2001	6.18000	140.5
## 9756	Sierra Leone	694	2003	6.00700	134.6
## 9758	Sierra Leone	694	2005	5.80500	128.1
## 9760	Sierra Leone	694	2007	5.56500	120.5
## 9762	Sierra Leone	694	2009	5.29300	111.7
## 9764	Sierra Leone	694	2011	5.01000	102.3
## 9766	Sierra Leone	694	2013	4.74600	93.8
## 9768	Sierra Leone	694	2015	4.51600	87.1
## 9770	Singapore	702	1951	6.83000	NA
## 9772	Singapore	702	1953	6.72000	NA
## 9774	Singapore	702	1955	6.61000	50.5
## 9776	Singapore	702	1957	6.50000	44.1
## 9778	Singapore	702	1959	6.39000	38.4
## 9780	Singapore	702	1961	5.41000	32.9
## 9782	Singapore	702	1963	5.16000	29.3
## 9784	Singapore	702	1965	4.66000	27.3
## 9786	Singapore	702	1967	3.91000	25.3
## 9788	Singapore	702	1969	3.22000	22.9
## 9790	Singapore	702	1971	3.02000	21.0
## 9792	Singapore	702	1973	2.79000	17.8
## 9794	Singapore	702	1975	2.07000	14.3
## 9796	Singapore	702	1977	1.82000	12.3
## 9798	Singapore	702	1979	1.79000	12.3
## 9800	Singapore	702	1981	1.78000	11.4
## 9802	Singapore	702	1983	1.61000	10.0
## 9804	Singapore	702	1985	1.61000	8.8
## 9806	Singapore	702	1987	1.62000	7.9

## 9808	Singapore	702 1989	1.75000	6.7
## 9810	Singapore	702 1991	1.73000	5.5
## 9812	Singapore	702 1993	1.74000	4.6
## 9814	Singapore	702 1995	1.67000	4.1
## 9816	Singapore	702 1997	1.61000	3.8
## 9818	Singapore	702 1999	1.47000	3.4
## 9820	Singapore	702 2001	1.41000	2.9
## 9822	Singapore	702 2003	1.27000	2.5
## 9824	Singapore	702 2005	1.26000	2.3
## 9826	Singapore	702 2007	1.29000	2.3
## 9828	Singapore	702 2009	1.22000	2.2
## 9830	Singapore	702 2011	1.20000	2.2
## 9832	Singapore	702 2013	1.19000	2.2
## 9834	Singapore	702 2015	1.24000	2.1
## 9836	Slovak Republic	703 1951	3.70980	NA
## 9838	Slovak Republic	703 1953	3.60600	NA
## 9840	Slovak Republic	703 1955	3.50220	NA
## 9842	Slovak Republic	703 1957	3.39840	NA
## 9844	Slovak Republic	703 1959	3.29460	NA
## 9846	Slovak Republic	703 1961	2.96000	NA
## 9848	Slovak Republic	703 1963	2.92000	NA
## 9850	Slovak Republic	703 1965	2.78000	NA
## 9852	Slovak Republic	703 1967	2.48000	NA
## 9854	Slovak Republic	703 1969	2.43000	NA
## 9856	Slovak Republic	703 1971	2.43000	NA
## 9858	Slovak Republic	703 1973	2.56000	NA
## 9860	Slovak Republic	703 1975	2.55000	NA
## 9862	Slovak Republic	703 1977	2.49000	NA
## 9864	Slovak Republic	703 1979	2.45000	NA
## 9866	Slovak Republic	703 1981	2.29000	23.2
## 9868	Slovak Republic	703 1983	2.28000	21.3
## 9870	Slovak Republic	703 1985	2.26000	19.4
## 9872	Slovak Republic	703 1987	2.14000	17.7
## 9874	Slovak Republic	703 1989	2.07000	16.2
## 9876	Slovak Republic	703 1991	2.05000	15.0
## 9878	Slovak Republic	703 1993	1.87000	13.7
## 9880	Slovak Republic	703 1995	1.52000	12.6
## 9882	Slovak Republic	703 1997	1.43000	11.6
## 9884	Slovak Republic	703 1999	1.33000	10.6
## 9886	Slovak Republic	703 2001	1.20000	9.8
## 9888	Slovak Republic	703 2003	1.20000	9.1
## 9890	Slovak Republic	703 2005	1.27000	8.4
## 9892	Slovak Republic	703 2007	1.27000	7.8
## 9894	Slovak Republic	703 2009	1.44000	7.3
## 9896	Slovak Republic	703 2011	1.45000	6.8
## 9898	Slovak Republic	703 2013	1.34000	6.3
## 9900	Slovak Republic	703 2015	1.37000	5.8
## 9902	Slovenia	705 1951	2.91736	NA
## 9904	Slovenia	705 1953	2.79868	NA
## 9906	Slovenia	705 1955	2.68000	NA
## 9908	Slovenia	705 1957	2.56132	NA
## 9910	Slovenia	705 1959	2.44264	NA
## 9912	Slovenia	705 1961	2.33300	NA
## 9914	Slovenia	705 1963	2.32000	NA

##	9916		Slovenia	705	1965	2.30100		NA
##	9918		Slovenia	705	1967	2.27200		NA
##	9920		Slovenia	705	1969	2.24300		NA
##	9922		Slovenia	705	1971	2.22000		NA
##	9924		Slovenia	705	1973	2.20700		NA
##	9926		Slovenia	705	1975	2.19500		NA
##	9928		Slovenia	705	1977	2.16600		NA
##	9930		Slovenia	705	1979	2.10600		NA
##	9932		Slovenia	705	1981	2.01600		15.5
##	9934		Slovenia	705	1983	1.81000		13.8
##	9936		Slovenia	705	1985	1.71000		12.3
##	9938		Slovenia	705	1987	1.65000		10.8
##	9940		Slovenia	705	1989	1.52000		9.4
##	9942		Slovenia	705	1991	1.42000		8.2
##	9944		Slovenia	705	1993	1.33000		7.1
##	9946		Slovenia	705	1995	1.29000		6.2
##	9948		Slovenia	705	1997	1.25000		5.4
##	9950		Slovenia	705	1999	1.21000		4.8
##	9952		Slovenia	705	2001	1.21000		4.3
##	9954		Slovenia	705	2003	1.20000		3.9
##	9956		Slovenia	705	2005	1.26000		3.5
##	9958		Slovenia	705	2007	1.38000		3.2
##	9960		Slovenia	705	2009	1.53000		2.8
##	9962		Slovenia	705	2011	1.56000		2.6
##	9964		Slovenia	705	2013	1.55000		2.3
##	9966		Slovenia	705	2015	1.58000		2.1
##	9968		Solomon Islands	90	1951	6.40000		NA
##	9970		Solomon Islands	90	1953	6.40000		NA
##	9972		Solomon Islands	90	1955	6.40000		NA
##	9974		Solomon Islands	90	1957	6.40000		NA
##	9976		Solomon Islands	90	1959	6.40000		NA
##	9978		Solomon Islands	90	1961	6.38500		125.4
##	9980		Solomon Islands	90	1963	6.38500		113.7
##	9982		Solomon Islands	90	1965	6.41900		103.3
##	9984		Solomon Islands	90	1967	6.54900		92.8
##	9986		Solomon Islands	90	1969	6.78100		81.9
##	9988		Solomon Islands	90	1971	7.04000		71.4
##	9990		Solomon Islands	90	1973	7.21600		62.6
##	9992		Solomon Islands	90	1975	7.23600		55.1
##	9994		Solomon Islands	90	1977	7.09600		48.9
##	9996		Solomon Islands	90	1979	6.87100		43.9
##	9998		Solomon Islands	90	1981	6.63200		40.2
##		InfMRateUN	U5MRateCME	U5MRateUN	LifeExpB	MtoFbirth	MtoF04	Pop1564
##	2	299.6836	NA	431.606470	26.5736	1.0600	0.9524428	55.82908
##	4	289.8628	NA	418.798890	27.5828	1.0600	0.9952082	55.71038
##	6	280.0420	NA	405.991310	28.5920	1.0600	1.0222970	55.68319
##	8	270.2212	NA	393.183730	29.6012	1.0600	1.0493490	55.25483
##	10	260.4004	NA	380.376150	30.6104	1.0600	1.0313490	55.02604
##	12	251.1132	356.5	368.438850	32.7774	1.0600	1.0171610	54.74086
##	14	242.3596	345.0	357.371810	33.6579	1.0600	1.0213650	54.46916
##	16	233.6060	334.1	346.304780	34.5254	1.0600	1.0303760	54.34323
##	18	226.3716	323.3	336.281290	35.3894	1.0600	1.0345310	53.75193
##	20	219.1372	313.0	326.257790	36.2604	1.0600	1.0336680	53.28111
##	22	212.0776	302.1	316.292970	37.1528	1.0600	1.0341630	52.80820

## 24	205.1928	290.8	306.386830	38.0785	1.0600	1.0350590	52.41620
## 26	198.3080	279.4	296.480680	39.0593	1.0600	1.0369270	52.26893
## 28	190.9616	267.8	285.735480	40.1101	1.0600	1.0384290	51.78831
## 30	183.6152	255.5	274.990280	41.2506	1.0600	1.0404500	51.55074
## 32	175.7272	242.7	263.328550	42.5269	1.0600	1.0439380	51.35031
## 34	167.2976	229.7	250.750280	43.9759	1.0600	1.0482740	50.93249
## 36	158.8680	216.0	238.172010	45.5770	1.0600	1.0503550	50.49437
## 38	148.8928	202.1	222.582270	47.2963	1.0600	1.0481970	50.21168
## 40	138.9176	187.8	206.992530	49.0311	1.0600	1.0466610	50.02584
## 42	129.3768	174.2	191.839550	50.6410	1.0600	1.0534600	49.74199
## 44	120.2704	162.0	177.123320	52.0219	1.0600	1.0612260	49.78752
## 46	111.1640	152.3	162.407090	53.1394	1.0600	1.0607110	49.88075
## 48	106.1292	145.5	154.187490	54.0178	1.0600	1.0534910	49.51203
## 50	101.0944	139.9	145.967900	54.7673	1.0600	1.0479610	49.29089
## 52	96.7516	133.8	137.543790	55.4875	1.0600	1.0523920	49.26696
## 54	93.1008	126.8	128.915170	56.2353	1.0600	1.0597810	49.68456
## 56	89.4500	119.6	120.286540	57.0272	1.0600	1.0607510	50.22951
## 58	84.3600	113.2	110.955140	57.8338	1.0600	1.0555110	50.00966
## 60	79.2700	107.6	101.623740	58.6037	1.0600	1.0490390	49.98530
## 62	75.0916	102.3	93.831908	59.3279	1.0600	1.0472070	50.59530
## 64	71.8248	96.7	87.579654	60.0283	1.0600	1.0507230	51.91969
## 66	68.5580	91.1	81.327400	60.7172	1.0600	1.0541050	53.48787
## 68	160.7898	NA	216.347430	52.0186	1.0700	1.0696510	54.85625
## 70	152.8074	NA	205.163180	53.6378	1.0700	1.0525170	55.11869
## 72	144.8250	NA	193.978940	55.2570	1.0700	1.0458970	55.21127
## 74	136.8426	NA	182.794690	56.8762	1.0700	1.0451430	54.73333
## 76	128.8602	NA	171.610440	58.4954	1.0700	1.0475080	54.62555
## 78	119.6798	NA	158.738680	63.2735	1.0700	1.0517870	54.03321
## 80	109.3014	NA	144.179410	64.8871	1.0700	1.0526780	53.37800
## 82	98.9230	NA	129.620140	65.8274	1.0700	1.0526570	52.95359
## 84	90.1370	NA	117.360840	66.2872	1.0700	1.0539750	53.02651
## 86	81.3510	NA	105.101550	66.6816	1.0700	1.0559780	53.61905
## 88	73.1626	NA	93.738489	67.2389	1.0700	1.0576220	54.26885
## 90	65.5718	NA	83.271663	67.9580	1.0700	1.0582350	55.03036
## 92	57.9810	NA	72.804837	68.7412	1.0700	1.0595740	55.95189
## 94	53.5270	NA	66.755870	69.4562	1.0700	1.0630170	57.06910
## 96	49.0730	84.7	60.706904	70.0097	1.0700	1.0673750	58.18736
## 98	46.1152	73.0	56.648026	70.4545	1.0700	1.0696230	59.23218
## 100	44.6536	62.8	54.579236	70.9374	1.0700	1.0672960	59.93669
## 102	43.1920	54.3	52.510446	71.4712	1.0700	1.0655960	60.63364
## 104	41.0488	47.6	49.768474	71.8620	1.0700	1.0688460	61.03813
## 106	38.9056	42.5	47.026501	71.9786	1.0700	1.0698860	61.57393
## 108	36.4150	38.8	43.943459	71.9184	1.0700	1.0624860	61.58779
## 110	33.5770	36.0	40.519347	71.9359	1.0700	1.0520190	61.12853
## 112	30.7390	33.2	37.095235	72.2360	1.0700	1.0599760	60.88216
## 114	28.9638	30.3	34.593886	72.8981	1.0732	1.0607720	61.55836
## 116	27.1886	27.5	32.092537	73.7934	1.0764	1.0741420	62.27929
## 118	25.2702	24.9	29.800448	74.7326	1.0780	1.0816030	62.96415
## 120	23.2086	22.5	27.717620	75.5233	1.0780	1.0791120	63.93969
## 122	21.1470	20.5	25.634792	76.0816	1.0780	1.0742970	65.12005
## 124	19.3906	18.7	22.854552	76.4703	1.0780	1.0774130	66.32348
## 126	17.6342	17.3	20.074311	76.8404	1.0780	1.0901070	67.37201
## 128	16.3234	16.0	18.227037	77.2406	1.0780	1.0865120	68.15662
## 130	15.4582	14.9	17.312731	77.6405	1.0780	1.0786010	68.86269



## 132	14.5930	14.0	16.398424	78.0145	1.0780	1.0722700	69.07145
## 134	170.5958	NA	296.645810	41.1948	1.0500	1.0406270	55.46460
## 136	166.8014	NA	287.388700	42.0404	1.0500	1.0368120	54.46523
## 138	163.0070	249.9	278.131600	42.8860	1.0500	1.0371250	53.98779
## 140	159.2126	248.0	268.874500	43.7316	1.0500	1.0338910	53.15045
## 142	155.4182	246.7	259.617400	44.5772	1.0500	1.0368670	52.65001
## 144	151.3858	246.1	250.196170	46.5903	1.0500	1.0390940	51.65278
## 146	147.1154	246.8	240.610840	47.4962	1.0500	1.0394790	50.18773
## 148	142.8450	248.2	231.025500	48.3761	1.0500	1.0400610	49.31496
## 150	138.6334	248.4	222.097260	49.1875	1.0500	1.0402250	49.06395
## 152	134.4218	245.3	213.169020	49.9559	1.0500	1.0414420	49.47331
## 154	130.2964	236.5	204.597390	50.7439	1.0500	1.0415590	49.61898
## 156	126.2572	222.5	196.382350	51.6457	1.0500	1.0413350	49.55707
## 158	122.2180	205.0	188.167320	52.8362	1.0500	1.0414470	49.66186
## 160	115.5240	184.9	175.555110	54.5783	1.0500	1.0418490	49.79084
## 162	108.8300	161.8	162.942900	56.8749	1.0500	1.0434600	50.10128
## 164	99.4578	132.5	146.001240	59.4868	1.0500	1.0435040	50.37605
## 166	87.4074	99.2	124.730130	62.0090	1.0500	1.0420120	50.71604
## 168	75.3570	71.2	103.459010	64.0738	1.0500	1.0417000	51.24967
## 170	67.3646	55.4	90.671942	65.4871	1.0500	1.0419270	51.88143
## 172	59.3722	48.5	77.884872	66.3820	1.0500	1.0439450	52.76348
## 174	53.8336	45.7	69.226559	66.9587	1.0500	1.0451520	53.82414
## 176	50.7488	44.1	64.697002	67.4755	1.0500	1.0442150	55.08529
## 178	47.6640	42.5	60.167446	68.1211	1.0500	1.0430450	56.64960
## 180	45.3648	41.1	57.029967	68.9212	1.0500	1.0428980	58.40471
## 182	43.0656	40.2	53.892488	69.7629	1.0500	1.0441480	60.40563
## 184	40.9838	38.9	50.906644	70.6018	1.0500	1.0453110	62.46083
## 186	39.1194	36.5	48.072436	71.4210	1.0500	1.0447200	64.35870
## 188	37.2550	33.6	45.238228	72.1966	1.0500	1.0430210	65.93724
## 190	35.3902	30.7	42.392853	72.8984	1.0500	1.0418390	66.89335
## 192	33.5254	28.3	39.547479	73.5210	1.0500	1.0415720	67.27304
## 194	31.6064	26.6	36.904332	74.0700	1.0500	1.0419710	67.00983
## 196	29.6332	25.8	34.463414	74.5690	1.0500	1.0426440	66.40654
## 198	27.6600	25.5	32.022495	75.0425	1.0500	1.0432200	65.51794
## 200	226.4392	NA	375.605290	28.4086	1.0200	0.9911078	55.32778
## 202	222.9296	NA	370.150600	29.2058	1.0200	0.9810417	54.63003
## 204	219.4200	NA	364.695910	30.0030	1.0200	0.9771931	54.51331
## 206	215.9104	NA	359.241210	30.8002	1.0200	0.9749834	53.55498
## 208	212.4008	NA	353.786520	31.5974	1.0200	0.9773152	53.21615
## 210	208.3758	NA	347.508970	33.3862	1.0200	0.9809035	52.61785
## 212	203.8354	NA	340.408580	34.1885	1.0200	0.9808696	51.77866
## 214	199.2950	NA	333.308180	34.9922	1.0200	0.9802622	51.50043
## 216	193.8858	NA	324.698410	35.8000	1.0200	0.9808236	51.08167
## 218	188.4766	NA	316.088640	36.6102	1.0200	0.9819744	51.21399
## 220	183.1488	NA	307.552660	37.4210	1.0200	0.9838055	51.11836
## 222	177.9024	NA	299.090460	38.2268	1.0200	0.9848999	50.97023
## 224	172.6560	NA	290.628250	38.9758	1.0200	0.9860952	50.97074
## 226	167.8336	NA	282.727360	39.5814	1.0200	0.9876456	50.59984
## 228	163.0112	NA	274.826460	40.0054	1.0200	0.9882749	50.45895
## 230	159.5616	232.8	269.140580	40.2887	1.0200	0.9878955	50.14121
## 232	157.4848	230.2	265.669700	40.5282	1.0200	0.9857994	49.88498
## 234	155.4080	228.3	262.198820	40.7778	1.0200	0.9840062	49.90251
## 236	154.0288	226.9	259.891340	40.9739	1.0200	0.9835554	49.59168
## 238	152.6496	226.2	257.583870	41.0877	1.0200	0.9834238	49.57952

## 240	151.1280	225.9	255.028880	41.2063	1.0200	0.9832600	49.52057
## 242	149.4640	225.8	252.226390	41.4782	1.0200	0.9812189	49.53866
## 244	147.8000	224.8	249.423890	42.0515	1.0200	0.9799892	49.78531
## 246	142.2948	222.6	240.149700	43.0621	1.0200	0.9811109	49.61600
## 248	136.7896	218.9	230.875500	44.4390	1.0200	0.9829354	49.70552
## 250	128.8800	214.1	216.813140	45.9731	1.0200	0.9855196	49.62411
## 252	118.5660	209.2	197.962620	47.3932	1.0200	0.9867473	49.52969
## 254	108.2520	203.9	179.112100	48.5388	1.0200	0.9879043	49.57294
## 256	98.4644	196.4	161.015340	49.4357	1.0200	0.9900463	49.37448
## 258	88.6768	187.3	142.918580	50.2510	1.0200	0.9918575	49.39571
## 260	80.1156	177.3	127.320520	51.0593	1.0220	0.9958662	49.48501
## 262	72.7808	167.1	114.221170	51.8662	1.0260	1.0015220	49.67376
## 264	65.4460	156.9	101.121810	52.6661	1.0300	1.0059580	50.03197
## 266	106.9108	NA	132.578110	56.5986	1.0300	1.0718670	57.09436
## 268	99.9464	NA	123.837240	57.5638	1.0300	1.0363270	57.00501
## 270	92.9820	NA	115.096370	58.5290	1.0300	0.9905593	57.42525
## 272	86.0176	NA	106.355500	59.4942	1.0300	0.9727353	55.45112
## 274	79.0532	NA	97.614633	60.4594	1.0300	0.9817859	53.87215
## 276	72.7596	NA	89.765599	62.1954	1.0300	0.9914202	53.32744
## 278	67.1368	NA	82.808400	62.9926	1.0300	0.9926125	53.59085
## 280	61.5140	NA	75.851201	63.7561	1.0300	0.9939091	53.96879
## 282	56.9768	NA	70.205701	64.4881	1.0300	0.9951487	54.62082
## 284	52.4396	NA	64.560202	65.1892	1.0300	0.9959341	55.33146
## 286	48.3248	NA	59.459818	65.8620	1.0300	0.9942392	56.04179
## 288	44.6324	NA	54.904552	66.5080	1.0300	0.9929250	56.84252
## 290	40.9400	NA	50.349286	67.1301	1.0300	0.9978564	57.75057
## 292	37.9312	NA	46.645791	67.7308	1.0300	1.0030590	58.97783
## 294	34.9224	NA	42.942295	68.3095	1.0300	1.0028860	60.39573
## 296	32.1944	NA	39.587985	68.8689	1.0300	1.0011630	61.96989
## 298	29.7472	NA	36.582859	69.4079	1.0300	1.0034610	63.05365
## 300	27.3000	NA	33.577734	69.9285	1.0300	1.0019480	63.99063
## 302	25.3032	NA	31.137567	70.4326	1.0300	0.9892586	64.23823
## 304	23.3064	NA	28.697400	70.9228	1.0300	0.9801608	63.42731
## 306	21.4944	24.2	26.482654	71.4006	1.0300	0.9916403	62.39665
## 308	19.8672	21.9	24.493328	71.8659	1.0300	1.0066590	62.11846
## 310	18.2400	19.7	22.504001	72.3177	1.0300	1.0077150	62.19111
## 312	16.9108	17.9	20.883056	72.7576	1.0300	1.0063840	63.15899
## 314	15.5816	16.2	19.262111	73.1860	1.0300	1.0065160	63.58017
## 316	14.3756	14.8	17.779129	73.6071	1.0300	1.0030420	63.91379
## 318	13.2928	13.5	16.434109	74.0218	1.0300	1.0013910	64.34787
## 320	12.2100	12.4	15.089089	74.4254	1.0300	1.0040330	64.40501
## 322	11.3316	11.3	14.022245	74.8032	1.0300	0.9893950	65.11961
## 324	10.4532	10.4	12.955401	75.1470	1.0300	1.0014710	66.02202
## 326	9.8324	9.5	12.206721	75.4660	1.0300	1.0131910	66.98997
## 328	9.4692	8.7	11.776205	75.7787	1.0300	1.0142680	67.92465
## 330	9.1060	8.1	11.345689	76.1002	1.0300	1.0112610	68.65756
## 332	70.3296	NA	90.026566	60.9416	1.0400	1.0384370	65.06540
## 334	68.1128	NA	86.822665	61.7428	1.0400	1.0326420	64.68393
## 336	65.8960	NA	83.618765	62.5440	1.0400	1.0307040	64.35816
## 338	63.6792	NA	80.414865	63.3452	1.0400	1.0288780	64.01040
## 340	61.4624	NA	77.210965	64.1464	1.0400	1.0318660	63.75826
## 342	60.2310	NA	75.062164	65.3385	1.0400	1.0342420	63.62335
## 344	59.9850	NA	73.968463	65.5094	1.0400	1.0330510	63.54639
## 346	59.7390	NA	72.874761	65.6687	1.0400	1.0307490	63.61352

## 348	58.7982	NA	71.388635	65.9300	1.0400	1.0292270	63.61416
## 350	57.8574	73.2	69.902509	66.3351	1.0400	1.0297580	63.67873
## 352	55.5302	71.5	66.839848	66.8731	1.0400	1.0309250	63.62144
## 354	51.8166	68.8	62.200650	67.4653	1.0400	1.0326700	63.45933
## 356	48.1030	63.8	57.561453	68.0480	1.0400	1.0308380	63.18334
## 358	44.4890	55.9	53.022722	68.6294	1.0400	1.0283930	62.51349
## 360	40.8750	47.0	48.483991	69.2243	1.0400	1.0245660	61.76492
## 362	37.6926	40.0	44.455709	69.7867	1.0400	1.0246150	61.09028
## 364	34.9418	35.8	40.937875	70.2570	1.0400	1.0278330	60.76727
## 366	32.1910	33.1	37.420042	70.6314	1.0400	1.0317210	60.53705
## 368	30.1658	30.8	35.226514	70.9678	1.0400	1.0331550	60.40476
## 370	28.1406	28.6	33.032987	71.3375	1.0400	1.0321610	60.23618
## 372	26.5730	26.6	31.182280	71.7633	1.0400	1.0311390	60.36934
## 374	25.4630	24.8	29.674394	72.2157	1.0400	1.0325110	60.81616
## 376	24.3530	23.4	28.166508	72.6651	1.0400	1.0342070	61.31733
## 378	23.3506	22.0	26.702156	73.1080	1.0400	1.0350040	61.63978
## 380	22.3482	20.8	25.237805	73.5443	1.0400	1.0341700	61.94335
## 382	20.4854	19.7	23.112165	73.9603	1.0400	1.0339690	62.29184
## 384	17.7622	18.6	20.325237	74.3413	1.0400	1.0347380	62.60931
## 386	15.0390	17.1	17.538309	74.6878	1.0400	1.0356220	62.97195
## 388	14.8658	15.8	17.347482	75.0090	1.0400	1.0362550	63.27496
## 390	14.6926	15.0	17.156654	75.3246	1.0400	1.0356540	63.61185
## 392	14.4226	14.2	16.845124	75.6490	1.0400	1.0354290	63.80353
## 394	14.0558	13.3	16.412892	75.9861	1.0400	1.0353430	63.83554
## 396	13.6890	12.5	15.980660	76.3342	1.0400	1.0357520	63.87820
## 398	86.9852	NA	102.754050	61.1288	1.0618	0.9729779	58.64064
## 400	84.9836	NA	99.607759	61.9704	1.0614	1.0331570	60.01367
## 402	82.9820	NA	96.461467	62.8120	1.0610	1.0557870	59.94882
## 404	80.9804	NA	93.315175	63.6536	1.0606	1.0666900	58.28367
## 406	78.9788	NA	90.168882	64.4952	1.0602	1.0491510	56.10433
## 408	76.9812	NA	87.099144	66.2844	1.0608	1.0368530	54.23992
## 410	74.9876	NA	84.105959	67.1379	1.0624	1.0456770	53.23671
## 412	72.9940	NA	81.112775	67.9915	1.0640	1.0586070	52.87982
## 414	70.9908	NA	78.238724	68.8305	1.0640	1.0677610	53.32190
## 416	68.9876	NA	75.364673	69.6001	1.0640	1.0602000	54.51954
## 418	66.9834	NA	72.665317	70.1829	1.0626	1.0505080	56.17978
## 420	64.9782	NA	70.140656	70.4797	1.0598	1.0447000	58.04067
## 422	62.9730	NA	67.615995	70.5319	1.0570	1.0409410	59.83723
## 424	60.9722	84.6	65.767615	70.5429	1.0550	1.0432760	61.48350
## 426	58.9714	78.0	63.919235	70.6413	1.0530	1.0407630	63.08703
## 428	56.9704	72.0	61.958540	70.6616	1.0516	1.0426650	64.03816
## 430	54.9692	66.6	59.885528	70.2901	1.0508	1.0411790	64.34085
## 432	52.9680	61.5	57.812516	69.5000	1.0500	1.0395190	64.42049
## 434	50.9720	56.7	57.195392	68.5676	1.0532	1.0400070	64.39109
## 436	48.9760	52.1	56.578269	67.8995	1.0564	1.0481780	64.20102
## 438	47.2042	47.5	55.549325	67.7383	1.0618	1.0551970	63.61048
## 440	45.6566	42.9	54.108560	68.0696	1.0694	1.0530790	62.67062
## 442	44.1090	38.7	52.667794	68.7636	1.0770	1.0577220	62.20912
## 444	40.4718	35.0	47.689973	69.7164	1.1066	1.0662020	62.71511
## 446	36.8346	31.7	42.712152	70.7671	1.1362	1.1170660	63.63930
## 448	33.4122	28.7	38.226562	71.7558	1.1554	1.1697270	64.73856
## 450	30.2046	25.9	34.233205	72.6096	1.1642	1.1779470	65.48090
## 452	26.9970	23.4	30.239847	73.2874	1.1730	1.1649190	66.53400
## 454	24.5998	21.1	27.632733	73.7647	1.1642	1.1461520	67.50335

## 456	22.2026	19.0	25.025620	74.0958	1.1554	1.1463680	68.61092
## 458	19.4470	17.2	22.211564	74.3428	1.1484	1.1455750	69.60916
## 460	16.3330	15.5	19.190565	74.5614	1.1432	1.1402450	70.55481
## 462	13.2190	14.1	16.169567	74.7971	1.1380	1.1343250	70.84162
## 464	82.9212	NA	116.911570	57.2826	1.0500	0.9872575	46.15385
## 466	75.9896	NA	106.035960	58.8598	1.0500	1.0180570	50.00000
## 468	69.0580	NA	95.160350	60.4370	1.0500	1.0331490	48.83721
## 470	62.1264	NA	84.284742	62.0142	1.0500	1.0444180	48.97959
## 472	55.1948	NA	73.409134	63.5914	1.0500	1.0374910	50.94340
## 474	49.8910	NA	65.118747	65.9880	1.0500	1.0355390	50.90909
## 476	46.2150	NA	59.413580	66.7140	1.0500	1.0369410	52.63158
## 478	42.5390	NA	53.708414	67.3698	1.0500	1.0397670	54.38596
## 480	39.8334	NA	49.876905	68.0347	1.0500	1.0376780	55.17241
## 482	37.1278	NA	46.045395	68.7284	1.0500	1.0422850	55.93220
## 484	34.4642	NA	42.365380	69.4461	1.0500	1.0447340	57.62712
## 486	31.8426	NA	38.836858	70.1397	1.0500	1.0400130	60.00000
## 488	29.2210	NA	35.308336	70.7778	1.0500	1.0373230	60.65574
## 490	27.3606	NA	32.910076	71.3777	1.0500	1.0397910	61.66667
## 492	25.5002	NA	30.511817	71.9529	1.0500	1.0546720	66.66667
## 494	23.7500	NA	28.271147	72.4623	1.0500	1.0580960	67.21311
## 496	22.1100	NA	26.188068	72.8490	1.0500	1.0425320	66.12903
## 498	20.4700	NA	24.104988	73.0980	1.0500	1.0473620	69.84127
## 500	20.0604	NA	23.646270	73.2427	1.0500	1.0864780	67.74194
## 502	19.6508	NA	23.187551	73.3445	1.0500	1.1835670	65.57377
## 504	19.3124	NA	22.775191	73.4331	1.0500	1.1710050	67.69231
## 506	19.0452	NA	22.409190	73.5053	1.0500	1.0726280	69.86301
## 508	18.7780	NA	22.043189	73.5636	1.0500	0.9955608	69.13580
## 510	18.6460	NA	21.839683	73.6148	1.0500	0.9980496	68.60465
## 512	18.5140	NA	21.636177	73.6754	1.0500	1.0318780	68.53933
## 514	18.3164	NA	21.386214	73.7829	1.0500	1.0384040	69.89247
## 516	18.0532	NA	21.089794	73.9686	1.0500	1.0363240	69.07216
## 518	17.7900	NA	20.793375	74.2281	1.0500	1.0355410	71.00000
## 520	17.1516	NA	20.011830	74.5268	1.0500	1.0388040	68.31683
## 522	16.5132	NA	19.230284	74.8181	1.0500	1.0436120	71.28713
## 524	15.9170	NA	18.510032	75.0814	1.0500	1.0394410	70.58824
## 526	15.3630	NA	17.851072	75.3287	1.0500	1.0412750	69.90291
## 528	14.8090	NA	17.192112	75.5736	1.0500	1.0439520	71.15385
## 530	25.5338	31.0	32.756217	68.5798	1.0488	1.0503690	64.58358
## 532	24.6094	29.5	31.323960	69.0054	1.0504	1.0490410	63.58689
## 534	23.6850	28.0	29.891702	69.4310	1.0520	1.0473390	62.56377
## 536	22.7606	26.6	28.459445	69.8566	1.0536	1.0487230	61.78668
## 538	21.8362	25.4	27.027187	70.2822	1.0552	1.0498480	61.25608
## 540	21.0034	24.3	25.749298	70.9732	1.0564	1.0522160	61.15293
## 542	20.2622	23.2	24.625776	70.9117	1.0572	1.0530620	61.39723
## 544	19.5210	22.4	23.502254	70.8502	1.0580	1.0517360	61.79627
## 546	19.0074	22.0	22.839280	70.8693	1.0568	1.0506640	62.20775
## 548	18.4938	21.7	22.176305	70.9688	1.0556	1.0460050	62.51486
## 550	17.8750	20.9	21.423952	71.0683	1.0546	1.0428090	62.90776
## 552	17.1510	19.3	20.582222	71.8468	1.0538	1.0425810	63.27479
## 554	16.4270	17.3	19.740491	72.6254	1.0530	1.0428990	63.77312
## 556	14.7662	15.3	17.761017	73.3444	1.0542	1.0443820	64.20379
## 558	13.1054	13.6	15.781542	74.0039	1.0554	1.0450350	64.87751
## 560	11.8112	12.6	14.249049	74.6634	1.0558	1.0486010	65.48530
## 562	10.8836	11.9	13.163535	75.1463	1.0554	1.0503240	65.83105

## 564	9.9560	11.3	12.078022	75.6293	1.0550	1.0506160	66.17060
## 566	9.4368	10.6	11.407627	76.1517	1.0546	1.0505180	66.42967
## 568	8.9176	9.7	10.737232	76.7137	1.0542	1.0508950	66.79922
## 570	8.2286	8.6	9.915524	77.2756	1.0544	1.0514530	66.89177
## 572	7.3698	7.7	8.942503	77.8781	1.0552	1.0528070	66.68734
## 574	6.5110	7.0	7.969482	77.8293	1.0560	1.0556220	66.58759
## 576	6.0902	6.6	7.493313	78.4805	1.0552	1.0639370	66.60185
## 578	5.6694	6.4	7.017144	78.9317	1.0544	1.0678070	66.74777
## 580	5.3558	6.1	6.617955	79.6341	1.0542	1.0627730	66.94116
## 582	5.1494	6.0	6.295746	80.2390	1.0546	1.0565860	67.15140
## 584	4.9430	5.7	5.973537	80.8415	1.0550	1.0529640	67.30295
## 586	4.7290	5.4	5.677721	81.2927	1.0554	1.0532430	67.56293
## 588	4.5150	5.0	5.381906	81.5439	1.0558	1.0550170	67.57154
## 590	4.3010	4.5	5.104637	81.8951	1.0562	1.0579640	67.27587
## 592	4.0870	4.1	4.845916	82.1488	1.0566	1.0566320	66.83713
## 594	3.8730	3.8	4.587194	82.4512	1.0570	1.0547110	66.25641
## 596	61.7106	NA	71.338944	64.9278	1.0550	1.0491940	66.66667
## 598	57.4218	NA	66.304086	65.5914	1.0550	1.0458360	66.45990
## 600	53.1330	53.4	61.269227	66.2550	1.0550	1.0437290	66.28292
## 602	48.8442	49.9	56.234368	66.9186	1.0550	1.0452860	66.07936
## 604	44.5554	45.4	51.199510	67.5822	1.0550	1.0494860	65.86545
## 606	40.2994	40.3	46.307125	69.5773	1.0550	1.0529340	65.21250
## 608	36.0762	35.9	41.557215	69.4437	1.0550	1.0535320	64.44444
## 610	31.8530	32.8	36.807304	69.7222	1.0550	1.0522530	63.50185
## 612	29.5582	30.5	34.176625	69.9178	1.0550	1.0496040	62.50846
## 614	27.2634	29.4	31.545945	69.8332	1.0550	1.0471820	61.68875
## 616	25.6512	28.7	29.636467	70.1146	1.0550	1.0455110	61.30700
## 618	24.7216	26.8	28.448191	71.0146	1.0550	1.0452760	61.45545
## 620	23.7920	23.1	27.259915	71.1146	1.0550	1.0451210	61.97405
## 622	20.7744	19.4	23.979807	71.9146	1.0550	1.0466760	62.65408
## 624	17.7568	17.1	20.699698	72.3122	1.0550	1.0481440	63.66027
## 626	15.4394	15.5	18.124092	72.8122	1.0550	1.0513260	65.01581
## 628	13.8222	14.0	16.252990	73.0122	1.0550	1.0511010	66.57444
## 630	12.2050	12.6	14.381887	73.8146	1.0550	1.0501300	67.82895
## 632	10.9842	11.1	12.963111	74.7683	1.0550	1.0505330	68.16632
## 634	9.7634	10.0	11.544334	75.2659	1.0550	1.0520920	68.25293
## 636	8.6978	9.0	10.331823	75.6171	1.0550	1.0526590	68.02063
## 638	7.7874	8.0	9.325577	76.0683	1.0550	1.0520610	67.44127
## 640	6.8770	6.8	8.319332	76.6683	1.0550	1.0538300	67.17672
## 642	6.0230	6.1	7.338693	77.3195	1.0550	1.0627680	67.26138
## 644	5.1690	5.6	6.358055	77.8756	1.0550	1.0696920	67.67086
## 646	4.6886	5.4	5.761523	78.5756	1.0550	1.0658380	67.95395
## 648	4.5818	5.2	5.549096	78.6317	1.0550	1.0592460	67.94605
## 650	4.4750	4.9	5.336670	79.3317	1.0550	1.0544650	67.89314
## 652	4.1898	4.7	5.024465	80.1805	1.0550	1.0539280	67.73067
## 654	3.9046	4.5	4.712260	80.3317	1.0550	1.0551790	67.61153
## 656	3.6752	4.2	4.438699	80.9829	1.0550	1.0580340	67.43441
## 658	3.5016	3.9	4.203782	81.1366	1.0550	1.0567190	67.20867
## 660	3.3280	3.5	3.968865	81.8439	1.0550	1.0547790	67.04120
## 662	123.9972	NA	185.109180	56.3214	1.0620	1.0673380	61.01180
## 664	121.9956	NA	179.628270	57.1402	1.0620	1.0506300	61.99745
## 666	119.9940	NA	174.147360	57.9590	1.0620	1.0493140	61.53846
## 668	117.9924	NA	168.666450	58.7778	1.0620	1.0429290	59.29379
## 670	115.9908	NA	163.185540	59.5966	1.0620	1.0471420	56.28314

## 672	113.9924	NA	157.856300	61.2392	1.0620	1.0519020	53.59801
## 674	111.9972	NA	152.678740	62.0520	1.0620	1.0503300	51.42791
## 676	110.0020	NA	147.501190	62.8618	1.0620	1.0477010	50.09827
## 678	108.0028	NA	142.530370	63.6687	1.0620	1.0460420	49.46192
## 680	106.0036	NA	137.559550	64.4187	1.0620	1.0473690	49.78287
## 682	104.0006	NA	133.145960	64.9814	1.0620	1.0468610	50.87952
## 684	101.9938	NA	129.289580	65.2342	1.0620	1.0469760	52.47453
## 686	99.9870	NA	125.433210	65.1874	1.0620	1.0479000	54.39059
## 688	97.9962	NA	124.482710	64.9532	1.0620	1.0482150	56.68140
## 690	96.0054	NA	123.532220	64.7280	1.0620	1.0484350	59.04746
## 692	94.0050	NA	122.349260	64.7164	1.0620	1.0494980	60.84318
## 694	91.9950	105.7	120.933830	65.0081	1.0620	1.0507690	61.93349
## 696	89.9850	101.1	119.518410	65.4278	1.0620	1.0489780	62.45130
## 698	87.9870	97.2	116.136010	65.5259	1.0620	1.0530140	62.18963
## 700	85.9890	94.9	112.753610	65.0893	1.0620	1.0496020	61.82432
## 702	84.3578	95.0	108.826660	64.4241	1.0656	1.0475090	61.50280
## 704	83.0934	95.7	104.355170	64.1540	1.0728	1.0509310	61.27924
## 706	81.8290	94.3	99.883676	64.5758	1.0800	1.0607500	61.37709
## 708	74.9098	88.6	91.696136	65.4624	1.1000	1.0797770	61.76471
## 710	67.9906	79.3	83.508596	66.3555	1.1200	1.1041140	62.71123
## 712	62.4558	68.8	76.637891	67.1503	1.1380	1.1370290	64.09224
## 714	58.3054	59.3	71.084021	68.0037	1.1540	1.1540050	65.71906
## 716	54.1550	51.7	65.530151	68.9373	1.1700	1.1599810	67.53474
## 718	48.7834	45.8	58.501434	69.7565	1.1684	1.1560480	69.32557
## 720	43.4118	41.0	51.472717	70.2937	1.1668	1.1591380	70.84633
## 722	38.8598	37.3	45.536390	70.5518	1.1644	1.1572810	71.85434
## 724	35.1274	34.2	40.692453	70.6906	1.1612	1.1563120	72.27837
## 726	31.3950	31.7	35.848516	70.8488	1.1580	1.1515310	72.47283
## 728	80.3822	NA	110.920920	58.4538	1.0570	0.9830949	55.00000
## 730	75.4726	NA	104.430000	59.2394	1.0570	0.9959987	57.14286
## 732	70.5630	NA	97.939082	60.0250	1.0570	1.0079800	55.68182
## 734	65.6534	NA	91.448164	60.8106	1.0570	1.0273750	52.08333
## 736	60.7438	NA	84.957247	61.5962	1.0570	1.0194950	55.23810
## 738	56.2558	NA	78.972752	63.0725	1.0570	1.0203620	53.04348
## 740	52.1894	NA	73.494681	63.7370	1.0570	1.0202590	53.12500
## 742	48.1230	NA	68.016611	64.3747	1.0570	1.0215780	52.85714
## 744	44.7566	NA	63.456711	64.9874	1.0570	1.0335590	54.60526
## 746	41.3902	30.0	58.896811	65.5767	1.0570	1.0367230	55.48780
## 748	38.3138	31.2	54.708020	66.1456	1.0570	1.0329190	54.59770
## 750	35.5274	32.1	50.890337	66.6930	1.0570	1.0249270	55.80110
## 752	32.7410	32.2	47.072655	67.2200	1.0570	1.0242360	56.08466
## 754	30.4382	31.5	43.890160	67.7281	1.0570	1.0281070	56.85279
## 756	28.1354	30.5	40.707666	68.2188	1.0570	1.0377890	58.73786
## 758	26.0328	29.4	37.792030	68.6954	1.0570	1.0398660	59.53488
## 760	24.1304	28.6	35.143252	69.1605	1.0570	1.0369270	60.44444
## 762	22.2280	27.9	32.494474	69.6106	1.0570	1.0335790	61.11111
## 764	20.6560	26.5	30.288489	70.0428	1.0570	1.0332980	61.47541
## 766	19.0840	24.6	28.082505	70.4478	1.0570	1.0353830	63.09524
## 768	17.7500	22.5	26.225395	70.7918	1.0570	1.0398410	63.35878
## 770	16.6540	20.6	24.717162	71.0481	1.0570	1.0428510	63.46863
## 772	15.5580	18.7	23.208928	71.2626	1.0570	1.0392260	64.28571
## 774	14.9980	17.0	22.470960	71.5499	1.0570	1.0333660	64.45993
## 776	14.4380	15.9	21.732992	71.9844	1.0570	1.0278250	65.52901
## 778	13.6416	15.5	20.583788	72.5451	1.0570	1.0271850	65.13158

## 780	12.6088	15.4	19.023347	73.1273	1.0570	1.0313260	66.13924
## 782	11.5760	15.3	17.462907	73.6389	1.0570	1.0381330	67.57576
## 784	10.9616	14.8	16.453667	74.0595	1.0570	1.0411560	68.71345
## 786	10.3472	14.2	15.444427	74.4239	1.0570	1.0459220	70.05650
## 788	9.8442	13.5	14.612403	74.7544	1.0570	1.0471380	70.76503
## 790	9.4526	12.8	13.957594	75.0735	1.0570	1.0508560	71.16402
## 792	9.0610	12.1	13.302786	75.3968	1.0570	1.0542070	70.61856
## 794	192.6826	NA	299.178010	38.5924	1.0500	1.0070210	54.70085
## 796	182.4318	NA	283.342590	40.7892	1.0500	0.9790924	53.22581
## 798	172.1810	NA	267.507170	42.9860	1.0500	0.9818214	54.88722
## 800	161.9302	258.6	251.671750	45.1828	1.0500	0.9781842	56.55172
## 802	151.6794	218.3	235.836330	47.3796	1.0500	0.9885083	54.77707
## 804	138.3160	183.1	214.339170	53.4585	1.0500	1.0068660	55.35714
## 806	121.8400	152.6	187.180260	56.1466	1.0500	1.0189950	52.24719
## 808	105.3640	126.3	160.021350	58.6401	1.0500	1.0135690	50.26738
## 810	91.5340	104.0	136.929080	60.8580	1.0500	1.0218630	51.53061
## 812	77.7040	85.0	113.836820	62.8173	1.0500	1.0074030	53.14010
## 814	66.1236	69.3	94.702794	64.5175	1.0500	0.9990152	53.39367
## 816	56.7928	56.9	79.527015	65.9864	1.0500	1.0051840	56.06695
## 818	47.4620	47.4	64.351235	67.2638	1.0500	1.0386170	58.42697
## 820	41.2604	40.2	54.737824	68.3778	1.0500	1.0450450	60.52632
## 822	35.0588	34.6	45.124413	69.3456	1.0500	1.0525730	62.39067
## 824	30.1946	30.3	37.597792	70.1766	1.0500	1.0526420	63.63636
## 826	26.6678	27.2	32.157959	70.8640	1.0500	1.0511460	62.97229
## 828	23.1410	24.9	26.718127	71.4279	1.0500	1.0535260	63.57143
## 830	21.2366	23.6	24.554938	71.8960	1.0492	1.0483600	64.14254
## 832	19.3322	23.2	22.391749	72.3080	1.0484	1.0529750	64.44906
## 834	17.6758	22.7	20.701420	72.7095	1.0474	1.0529430	65.02947
## 836	16.2674	21.0	19.483950	73.1239	1.0462	1.0579420	66.41791
## 838	14.8590	18.1	18.266481	73.5551	1.0450	1.0562960	67.02128
## 840	13.8126	15.2	16.926595	73.9916	1.0438	1.0605750	67.72575
## 842	12.7662	13.2	15.586709	74.4061	1.0426	1.0572570	67.08268
## 844	11.7460	12.1	14.401113	74.7818	1.0416	1.0467750	67.91367
## 846	10.7520	11.5	13.369806	75.1177	1.0408	1.0411470	69.55381
## 848	9.7580	10.9	12.338500	75.4221	1.0400	1.0574050	70.93426
## 850	9.0388	10.0	11.575807	75.7078	1.0392	1.0403100	74.58617
## 852	8.3196	8.8	10.813114	75.9878	1.0384	1.0430080	77.42475
## 854	7.7494	7.8	10.106738	76.2679	1.0374	1.0408850	77.79479
## 856	7.3282	6.9	9.456681	76.5460	1.0362	1.0419000	76.74074
## 858	6.9070	6.2	8.806623	76.8191	1.0350	1.0571850	75.97968
## 860	245.5228	NA	364.377950	37.8296	1.0490	1.0289080	54.94355
## 862	232.9584	322.9	346.276250	39.2508	1.0490	1.0199320	55.47367
## 864	220.3940	304.1	328.174550	40.6720	1.0490	1.0177000	55.90428
## 866	207.8296	287.1	310.072850	42.0932	1.0490	1.0167990	55.72380
## 868	195.2652	271.5	291.971150	43.5144	1.0490	1.0216060	55.50812
## 870	184.3278	257.5	276.035760	46.4579	1.0490	1.0254270	55.05303
## 872	175.0174	245.6	262.266680	47.6925	1.0490	1.0266710	54.56570
## 874	165.7070	236.0	248.497600	48.6895	1.0490	1.0267360	54.07540
## 876	160.3238	229.4	240.381080	48.8381	1.0490	1.0261330	53.17814
## 878	154.9406	225.4	232.264550	48.0515	1.0490	1.0277810	52.46046
## 880	158.4366	223.0	234.543220	47.1386	1.0490	1.0297530	52.10937
## 882	170.8118	220.7	247.217080	47.2955	1.0490	1.0384610	51.93859
## 884	183.1870	217.1	259.890940	48.8708	1.0490	1.0448120	51.86745
## 886	165.7426	211.2	239.195430	51.1057	1.0490	1.0455170	51.73750

## 888	148.2982	203.3	218.499920	52.8873	1.0490	1.0342250	51.89154
## 890	136.8222	194.2	203.763680	53.9280	1.0490	1.0267280	52.13397
## 892	131.3146	184.4	194.986710	54.6896	1.0490	1.0304170	52.59296
## 894	125.8070	173.5	186.209740	55.5907	1.0490	1.0359860	53.17099
## 896	119.0050	161.8	175.155200	56.6686	1.0490	1.0400390	53.58839
## 898	112.2030	149.7	164.100670	57.8157	1.0490	1.0378730	54.14797
## 900	105.0992	137.7	152.626300	59.0503	1.0490	1.0364350	54.86365
## 902	97.6936	125.8	140.732120	60.4188	1.0490	1.0379560	55.71080
## 904	90.2880	114.2	128.837930	61.8874	1.0490	1.0401210	56.69774
## 906	83.1956	103.2	117.652860	63.3579	1.0490	1.0415110	57.60921
## 908	76.1032	92.8	106.467790	64.7238	1.0490	1.0414200	58.59243
## 910	69.2450	83.5	95.679394	65.9302	1.0490	1.0420660	59.50096
## 912	62.6210	74.8	85.287680	67.0001	1.0490	1.0432930	60.36436
## 914	55.9970	66.8	74.895966	67.9719	1.0490	1.0424020	61.27335
## 916	50.9182	59.4	67.176599	68.8600	1.0490	1.0429460	61.98522
## 918	45.8394	52.6	59.457233	69.6838	1.0490	1.0424400	62.77734
## 920	41.2952	46.7	52.732150	70.4720	1.0490	1.0424990	63.67026
## 922	37.2856	41.6	47.001352	71.2452	1.0490	1.0430210	64.58891
## 924	33.2760	37.6	41.270554	72.0012	1.0490	1.0439660	65.58051
## 926	96.6338	NA	138.192030	55.1396	1.0360	1.0010920	60.00000
## 928	91.0674	NA	129.441040	56.1768	1.0360	1.0034610	60.53812
## 930	85.5010	145.5	120.690040	57.2140	1.0360	0.9931622	56.82819
## 932	79.9346	111.2	111.939050	58.2512	1.0360	0.9601688	56.52174
## 934	74.3682	90.6	103.188050	59.2884	1.0360	0.9564001	55.65217
## 936	69.2328	78.0	95.225094	61.2151	1.0360	0.9680534	55.17241
## 938	64.5284	68.7	88.050172	62.1823	1.0360	0.9875149	54.27350
## 940	59.8240	61.3	80.875249	63.1610	1.0360	1.0093380	54.46809
## 942	53.9452	55.5	72.764731	64.0987	1.0360	1.0160760	54.00844
## 944	48.0664	50.5	64.654213	64.9458	1.0360	1.0213610	54.62185
## 946	43.5116	45.8	58.263930	65.6952	1.0360	1.0190300	54.58333
## 948	40.2808	41.1	53.593881	66.3825	1.0360	1.0373310	56.79012
## 950	37.0500	36.7	48.923832	67.0408	1.0360	1.0434460	57.72358
## 952	34.3820	32.6	45.106441	67.6771	1.0360	1.0960640	59.03614
## 954	31.7140	28.9	41.289049	68.2845	1.0360	1.0431930	59.36255
## 956	29.2826	25.8	37.798926	68.8638	1.0360	1.0308770	60.86957
## 958	27.0878	23.6	34.636072	69.4166	1.0360	1.0240820	62.20472
## 960	24.8930	22.0	31.473218	69.9450	1.0360	1.0225410	62.89062
## 962	23.0850	20.4	28.999458	70.4518	1.0360	1.0191210	63.56589
## 964	21.2770	18.7	26.525697	70.9366	1.0360	1.0280890	65.38462
## 966	19.6304	17.2	24.301062	71.4033	1.0360	1.0345250	65.90038
## 968	18.1452	16.1	22.325552	71.8541	1.0360	1.0346240	66.53992
## 970	16.6600	15.5	20.350042	72.2844	1.0360	1.0319940	67.04545
## 972	15.4392	15.5	18.757982	72.6842	1.0360	1.0316340	65.91760
## 974	14.2184	16.0	17.165921	73.0486	1.0360	1.0337250	65.79926
## 976	13.3670	16.6	16.042712	73.3839	1.0360	1.0389290	66.78967
## 978	12.8850	16.8	15.388355	73.7072	1.0360	1.0407340	67.03297
## 980	12.4030	16.5	14.733997	74.0303	1.0360	1.0404190	68.61314
## 982	11.8490	15.8	13.944635	74.3564	1.0360	1.0393860	67.50903
## 984	11.2950	15.1	13.155272	74.6825	1.0360	1.0365990	68.10036
## 986	10.7270	14.4	12.404140	75.0081	1.0360	1.0290450	67.61566
## 988	10.1450	13.7	11.691239	75.3340	1.0360	1.0254520	67.02128
## 990	9.5630	13.0	10.978337	75.6584	1.0360	1.0251980	66.19718
## 992	126.8944	NA	173.049770	56.2012	1.0670	1.0291750	65.18528
## 994	111.2592	NA	150.365670	58.4476	1.0670	1.0533080	66.02796



## 996	95.6240	NA	127.681560	60.6940	1.0670	1.0643360	65.96181
## 998	79.9888	NA	104.997460	62.9404	1.0670	1.0676930	64.92819
## 1000	64.3536	NA	82.313359	65.1868	1.0670	1.0573130	63.37611
## 1002	52.7766	NA	65.567448	68.2127	1.0656	1.0487610	62.17066
## 1004	45.2578	NA	54.759728	68.9921	1.0628	1.0499020	61.46463
## 1006	37.7390	NA	43.952007	69.5374	1.0600	1.0535330	61.12467
## 1008	32.9550	NA	38.536032	69.8817	1.0588	1.0565250	61.21799
## 1010	28.1710	NA	33.120058	70.0451	1.0576	1.0509550	61.65867
## 1012	24.8604	NA	29.560292	70.0930	1.0568	1.0458140	62.56996
## 1014	23.0232	NA	27.856736	70.0824	1.0564	1.0410980	63.55868
## 1016	21.1860	NA	26.153180	70.0483	1.0560	1.0385610	64.48858
## 1018	21.4780	NA	26.213417	69.9674	1.0548	1.0394000	65.20730
## 1020	21.7700	NA	26.273653	69.8416	1.0536	1.0423240	66.08986
## 1022	21.4412	22.3	25.649417	69.8192	1.0528	1.0408580	66.69410
## 1024	20.4916	20.6	24.340709	70.0647	1.0524	1.0368180	67.04545
## 1026	19.5420	19.4	23.032001	70.9927	1.0520	1.0359290	67.20048
## 1028	18.2864	18.1	21.733855	70.9902	1.0552	1.0431220	66.92376
## 1030	17.0308	17.0	20.435708	71.4829	1.0584	1.0523820	66.61768
## 1032	16.1392	16.6	19.463092	70.3781	1.0610	1.0603510	66.21754
## 1034	15.6116	17.1	18.816007	68.9707	1.0630	1.0588590	65.87706
## 1036	15.0840	17.9	18.168922	68.4610	1.0650	1.0541870	65.94488
## 1038	15.0120	17.8	18.119840	68.4610	1.0654	1.0536390	66.62703
## 1040	14.9400	15.8	18.070758	67.9073	1.0658	1.0577640	67.52948
## 1042	13.8402	13.0	16.870566	68.5073	1.0650	1.0597300	68.34496
## 1044	11.7126	10.9	14.519264	68.5537	1.0630	1.0588030	68.94149
## 1046	9.5850	9.4	12.167962	68.8512	1.0610	1.0572630	69.68157
## 1048	8.2586	7.9	10.544424	70.2073	1.0618	1.0569060	70.40603
## 1050	6.9322	6.6	8.920885	70.4073	1.0626	1.0586570	71.08890
## 1052	5.7280	5.6	7.423427	70.5537	1.0630	1.0605100	71.10783
## 1054	4.6460	5.0	6.052051	72.4707	1.0630	1.0612830	70.56965
## 1056	3.5640	4.6	4.680674	73.6244	1.0630	1.0617360	69.93471
## 1058	53.0104	NA	60.563438	66.1746	1.0572	1.0394600	67.72743
## 1060	48.9032	51.2	55.873305	66.8838	1.0576	1.0432350	67.31274
## 1062	44.7960	45.5	51.183172	67.5930	1.0580	1.0459540	66.35103
## 1064	40.6888	40.1	46.493039	68.3022	1.0584	1.0494680	65.51148
## 1066	36.5816	35.6	41.802906	69.0114	1.0588	1.0486520	64.45007
## 1068	33.0182	32.4	37.731361	70.5210	1.0590	1.0484990	63.73913
## 1070	29.9986	30.0	34.278406	70.0515	1.0590	1.0499660	63.43452
## 1072	26.9790	27.9	30.825450	70.6254	1.0590	1.0514370	63.26660
## 1074	25.0922	26.2	28.856019	71.0129	1.0590	1.0524740	63.04484
## 1076	23.2054	24.8	26.886589	70.7649	1.0590	1.0521500	62.97643
## 1078	21.4590	23.0	25.018285	71.0605	1.0588	1.0518650	63.06613
## 1080	19.8530	20.8	23.251107	71.6354	1.0584	1.0517720	63.32443
## 1082	18.2470	18.6	21.483929	71.9712	1.0580	1.0524520	63.84482
## 1084	16.4230	16.7	19.416130	72.7739	1.0584	1.0531030	64.35856
## 1086	14.5990	15.2	17.348332	73.1937	1.0588	1.0543250	65.08178
## 1088	13.0964	13.9	15.625773	73.6217	1.0586	1.0551940	65.98419
## 1090	11.9152	12.7	14.248455	73.8690	1.0578	1.0542090	67.00071
## 1092	10.7340	11.8	12.871136	74.5202	1.0570	1.0537270	67.64706
## 1094	10.1008	11.0	12.017247	75.3659	1.0574	1.0545160	67.51034
## 1096	9.4676	10.3	11.163357	75.6327	1.0578	1.0563940	67.10209
## 1098	8.8714	9.6	10.413141	76.1922	1.0566	1.0552630	66.67998
## 1100	8.3122	8.7	9.766596	76.3454	1.0538	1.0514560	66.31986
## 1102	7.7530	7.6	9.120052	76.8407	1.0510	1.0472180	66.03031

## 1104	6.7574	6.7	8.033431	77.3707	1.0478	1.0438260	65.69300
## 1106	5.7618	6.0	6.946811	77.6195	1.0446	1.0417400	65.58562
## 1108	5.0566	5.6	6.182687	77.9732	1.0444	1.0416220	65.55135
## 1110	4.6418	5.2	5.741058	78.1293	1.0472	1.0445480	65.60522
## 1112	4.2270	5.0	5.299429	78.9805	1.0500	1.0473690	65.80193
## 1114	4.0666	4.8	5.066833	79.7829	1.0500	1.0506100	65.92247
## 1116	3.9062	4.6	4.834237	79.9829	1.0500	1.0483750	66.08015
## 1118	3.7528	4.4	4.624431	80.5854	1.0500	1.0456890	65.87006
## 1120	3.6064	4.3	4.437416	80.5878	1.0500	1.0439850	65.39944
## 1122	3.4600	4.1	4.250401	81.2878	1.0500	1.0469440	64.81990
## 1124	109.4298	NA	149.426880	53.7354	1.0300	1.0156930	56.33803
## 1126	104.7874	NA	142.655390	54.8262	1.0300	1.0124270	54.66667
## 1128	100.1450	NA	135.883900	55.9170	1.0300	1.0129890	52.50000
## 1130	95.5026	NA	129.112410	57.0078	1.0300	1.0103990	50.58824
## 1132	90.8602	NA	122.340920	58.0986	1.0300	1.0156110	52.80899
## 1134	86.4678	NA	115.944750	60.5128	1.0300	1.0202690	49.47368
## 1136	82.3254	NA	109.923910	61.6460	1.0300	1.0215220	47.52475
## 1138	78.1830	NA	103.903060	62.8061	1.0300	1.0204740	50.46729
## 1140	74.3218	109.9	97.722503	63.9544	1.0300	1.0187350	49.55752
## 1142	70.4606	101.3	91.541948	65.0392	1.0300	1.0171310	47.05882
## 1144	66.7358	93.5	86.027040	66.0263	1.0300	1.0156420	48.00000
## 1146	63.1474	86.3	81.177780	66.9121	1.0300	1.0163160	48.06202
## 1148	59.5590	79.9	76.328519	67.7188	1.0300	1.0210600	48.12030
## 1150	55.9298	74.2	71.493597	68.4781	1.0300	1.0228390	46.71533
## 1152	52.3006	68.9	66.658674	69.2088	1.0300	1.0263780	46.09929
## 1154	48.3624	63.9	61.402751	69.9198	1.0300	1.0305520	48.97959
## 1156	44.1152	58.9	55.725829	70.5893	1.0300	1.0264480	49.35897
## 1158	39.8680	53.5	50.048906	71.1314	1.0300	1.0217640	49.69697
## 1160	37.9988	47.7	47.364018	71.4306	1.0300	1.0194850	52.87356
## 1162	36.1296	42.2	44.679130	71.4185	1.0300	1.0241840	51.08696
## 1164	34.0978	37.2	41.974180	71.0544	1.0300	1.0272870	51.83246
## 1166	31.9034	33.1	39.249169	70.3824	1.0300	1.0281230	53.03030
## 1168	29.7090	30.1	36.524158	69.5888	1.0300	1.0276670	51.69082
## 1170	27.0298	27.8	32.881822	68.9019	1.0300	1.0254680	54.05405
## 1172	24.3506	25.8	29.239485	68.4895	1.0300	1.0240680	54.39331
## 1174	22.3446	24.2	26.572081	68.4441	1.0300	1.0235000	55.29412
## 1176	21.0118	22.8	24.879611	68.6971	1.0300	1.0226890	56.13383
## 1178	19.6790	21.7	23.187140	69.0864	1.0300	1.0233730	58.65724
## 1180	18.6010	20.6	21.874081	69.4520	1.0300	1.0280550	57.52508
## 1182	17.5230	19.5	20.561022	69.7031	1.0300	1.0371410	60.19108
## 1184	16.4520	18.5	19.249291	69.8437	1.0300	1.0420070	60.90909
## 1186	15.3880	17.5	17.938889	69.9820	1.0300	1.0344740	62.79070
## 1188	14.3240	16.5	16.628487	70.1924	1.0300	1.0264010	63.50975
## 1190	223.1340	345.1	369.941690	31.7728	1.0410	0.8920923	56.77591
## 1192	216.2580	339.0	359.260730	32.7424	1.0410	0.9610549	56.64028
## 1194	209.3820	332.7	348.579770	33.7120	1.0410	0.9949061	56.88233
## 1196	202.5060	326.2	337.898820	34.6816	1.0410	1.0226670	56.39386
## 1198	195.6300	318.4	327.217860	35.6512	1.0410	1.0032460	56.45833
## 1200	189.0848	309.2	316.852560	37.7312	1.0410	0.9846052	56.12328
## 1202	182.8704	298.2	306.802930	38.6573	1.0410	0.9878576	55.26730
## 1204	176.6560	286.9	296.753300	39.6327	1.0410	0.9981029	54.71125
## 1206	171.1896	276.9	288.158110	40.6808	1.0410	1.0079590	53.93341
## 1208	165.7232	269.0	279.562920	41.7858	1.0410	1.0104370	53.33802
## 1210	160.5570	261.8	271.218250	42.9167	1.0410	1.0137790	52.75908

## 1212	155.6910	253.4	263.124090	44.0335	1.0410	1.0141240	52.15434
## 1214	150.8250	242.7	255.029940	45.0869	1.0410	1.0134920	51.91542
## 1216	144.6530	231.3	244.661290	46.0100	1.0410	1.0130960	51.45688
## 1218	138.4810	221.5	234.292640	46.8293	1.0410	1.0152620	51.20199
## 1220	133.0524	213.7	224.975400	47.6689	1.0410	1.0167600	50.96808
## 1222	128.3672	206.8	216.709570	48.6883	1.0410	1.0176000	50.75402
## 1224	123.6820	199.7	208.443740	49.9347	1.0410	1.0190840	50.82808
## 1226	119.6452	192.2	201.020180	51.3690	1.0410	1.0197710	50.59393
## 1228	115.6084	183.9	193.596620	52.7935	1.0410	1.0213850	50.60988
## 1230	111.3176	175.0	185.633950	53.9357	1.0410	1.0232530	50.76211
## 1232	106.7728	166.2	177.132190	54.5950	1.0410	1.0248750	51.07488
## 1234	102.2280	159.1	168.630420	54.8160	1.0410	1.0263650	51.52021
## 1236	98.6796	153.6	162.007390	54.8423	1.0410	1.0272370	51.45417
## 1238	95.1312	147.9	155.384360	54.9988	1.0410	1.0281630	51.55022
## 1240	91.4966	141.1	148.677440	55.4665	1.0410	1.0291400	51.80488
## 1242	87.7758	133.1	141.886640	56.2081	1.0410	1.0297760	52.20454
## 1244	84.0550	125.5	135.095830	57.0660	1.0410	1.0296660	52.66439
## 1246	80.2450	119.0	128.221710	57.8674	1.0410	1.0302120	52.95131
## 1248	76.4350	113.9	121.347590	58.4913	1.0410	1.0304300	53.43578
## 1250	73.1602	109.3	115.466530	58.9329	1.0410	1.0308440	53.88548
## 1252	70.4206	104.8	110.578510	59.3120	1.0410	1.0311490	54.34993
## 1254	67.6810	99.5	105.690500	59.7207	1.0410	1.0312340	54.96324
## 1256	262.8368	NA	376.816820	28.0100	1.0400	1.0382300	54.39560
## 1258	254.5564	NA	368.659270	28.7640	1.0400	1.0271320	55.26316
## 1260	246.2760	NA	360.501720	29.5180	1.0400	1.0218970	57.00000
## 1262	237.9956	NA	352.344160	30.2720	1.0400	1.0174140	55.71429
## 1264	229.7152	NA	344.186610	31.0260	1.0400	1.0197270	56.16438
## 1266	220.8888	NA	335.005580	32.7310	1.0400	1.0204830	55.65217
## 1268	211.5164	NA	324.801080	33.4522	1.0400	1.0178430	56.66667
## 1270	202.1440	NA	314.596590	34.2007	1.0400	1.0141080	56.34921
## 1272	191.7068	NA	300.996240	35.1070	1.0400	1.0105370	55.63910
## 1274	181.2696	278.6	287.395900	36.2631	1.0400	1.0117420	54.60993
## 1276	171.0778	264.2	273.930790	37.6844	1.0400	1.0131060	55.96026
## 1278	161.1314	249.5	260.600930	39.2875	1.0400	1.0134340	55.55556
## 1280	151.1850	235.5	247.271060	40.9543	1.0400	1.0158170	55.58739
## 1282	143.1238	221.3	236.147540	42.6008	1.0400	1.0186910	54.54545
## 1284	135.0626	206.9	225.024020	44.1936	1.0400	1.0206130	55.00000
## 1286	126.8034	193.0	212.433530	45.7107	1.0400	1.0216160	54.00943
## 1288	118.3462	178.9	198.376060	47.1772	1.0400	1.0219830	53.70787
## 1290	109.8890	165.2	184.318590	48.6391	1.0400	1.0218110	53.94456
## 1292	102.7402	152.2	172.014570	50.1338	1.0400	1.0229480	53.29341
## 1294	95.5914	139.8	159.710540	51.6757	1.0400	1.0248110	53.30813
## 1296	88.7374	127.8	147.809440	53.2519	1.0400	1.0262630	53.45794
## 1298	82.1782	116.4	136.311250	54.8261	1.0400	1.0274950	52.60116
## 1300	75.6190	105.3	124.813070	56.3997	1.0400	1.0272250	53.04519
## 1302	70.0634	94.5	114.929540	58.0352	1.0400	1.0232690	53.74280
## 1304	64.5078	84.4	105.046010	59.7621	1.0400	1.0243100	54.74453
## 1306	59.7684	75.0	93.804802	61.5466	1.0400	1.0270350	56.72414
## 1308	55.8452	66.4	81.205912	63.3030	1.0400	1.0294260	59.74026
## 1310	51.9220	58.5	68.607021	64.9184	1.0400	1.0303580	62.05837
## 1312	46.9568	51.3	61.176860	66.2931	1.0400	1.0337760	63.72981
## 1314	41.9916	45.1	53.746698	67.4167	1.0400	1.0328250	64.54802
## 1316	37.6996	39.9	47.489046	68.3232	1.0400	1.0334360	65.98361
## 1318	34.0808	36.0	42.403903	69.1029	1.0400	1.0347520	66.84350

## 1320	30.4620	32.9	37.318760	69.8329	1.0400	1.0331280	68.00000
## 1322	178.8518	NA	310.577280	38.9276	1.0500	1.0271640	54.10828
## 1324	175.8294	NA	304.361150	39.4748	1.0500	1.0132360	53.26355
## 1326	172.8070	NA	298.145020	40.0220	1.0500	1.0077260	53.19465
## 1328	169.7846	NA	291.928890	40.5692	1.0500	1.0054910	52.82154
## 1330	166.7622	NA	285.712750	41.1164	1.0500	1.0084700	52.98013
## 1332	163.4862	281.4	278.932230	42.4334	1.0500	1.0138000	53.01461
## 1334	159.9566	270.8	271.587320	43.0891	1.0500	1.0136670	52.78487
## 1336	156.4270	260.1	264.242400	43.7798	1.0500	1.0122980	52.91083
## 1338	152.4006	248.8	255.674280	44.5048	1.0500	1.0130990	53.02029
## 1340	148.3742	237.1	247.106160	45.2637	1.0500	1.0142820	53.39828
## 1342	144.1174	225.3	237.957830	46.0554	1.0500	1.0161540	53.66225
## 1344	139.6302	212.8	228.229290	46.8785	1.0500	1.0169560	53.80288
## 1346	135.1430	200.1	218.500740	47.7330	1.0500	1.0177590	53.98283
## 1348	130.3566	187.9	209.606690	48.6189	1.0500	1.0203570	53.85938
## 1350	125.5702	176.6	200.712640	49.5346	1.0500	1.0215400	53.82084
## 1352	120.6856	166.8	192.504210	50.4821	1.0500	1.0237160	53.76401
## 1354	115.7028	157.8	184.981410	51.4615	1.0500	1.0247720	53.75839
## 1356	110.7200	148.5	177.458600	52.4708	1.0500	1.0255190	53.89569
## 1358	105.5488	138.9	169.614010	53.5080	1.0500	1.0274790	53.98299
## 1360	100.3776	129.2	161.769420	54.5690	1.0500	1.0285000	54.14250
## 1362	95.2128	119.7	153.905330	55.6500	1.0500	1.0305360	54.44015
## 1364	90.0544	110.7	146.021720	56.7494	1.0500	1.0315450	54.83915
## 1366	84.8960	101.8	138.138120	57.8633	1.0500	1.0320460	55.33236
## 1368	79.9596	93.1	130.512420	58.9886	1.0500	1.0337470	55.77436
## 1370	75.0232	84.4	122.886710	60.1214	1.0500	1.0343330	56.33631
## 1372	70.2822	76.2	115.514410	61.2592	1.0500	1.0356930	56.83851
## 1374	65.7366	68.5	108.395510	62.3990	1.0500	1.0365990	57.41203
## 1376	61.1910	61.4	101.276600	63.5398	1.0500	1.0372100	57.98356
## 1378	57.1166	54.9	94.818215	64.6941	1.0500	1.0386920	58.49396
## 1380	53.0422	49.3	88.359829	65.8480	1.0500	1.0391160	59.04293
## 1382	49.3916	44.9	82.544548	66.9426	1.0500	1.0400890	59.65469
## 1384	46.1648	41.3	77.372373	67.9134	1.0500	1.0406130	60.40385
## 1386	42.9380	38.4	72.200197	68.7396	1.0500	1.0411430	61.09091
## 1388	230.8844	NA	247.708140	49.8322	1.0650	1.0398350	58.48708
## 1390	209.7372	NA	225.345910	51.7506	1.0650	1.0542120	59.50355
## 1392	188.5900	NA	202.983680	53.6690	1.0650	1.0594860	59.89086
## 1394	167.4428	NA	180.621450	55.5874	1.0650	1.0624500	59.56607
## 1396	146.2956	NA	158.259220	57.5058	1.0650	1.0598520	58.95404
## 1398	128.1878	NA	139.168580	60.9416	1.0650	1.0562440	58.68172
## 1400	113.1194	NA	123.349530	62.1623	1.0650	1.0577640	58.83735
## 1402	98.0510	NA	107.530480	63.2920	1.0650	1.0587180	59.29078
## 1404	87.8846	NA	96.760481	64.3973	1.0650	1.0606340	59.64088
## 1406	77.7182	NA	85.990483	65.5045	1.0650	1.0593080	60.46449
## 1408	67.9500	NA	75.558307	66.6212	1.0650	1.0627860	61.14482
## 1410	58.5800	NA	65.463951	67.7134	1.0650	1.0660650	61.54440
## 1412	49.2100	NA	55.369596	68.7003	1.0650	1.0693350	62.32687
## 1414	43.1368	NA	48.794085	69.4729	1.0650	1.0653330	63.44964
## 1416	37.0636	NA	42.218575	70.0076	1.0650	1.0636280	64.99513
## 1418	32.3402	NA	37.140326	70.4173	1.0650	1.0610520	66.42772
## 1420	28.9666	NA	33.559338	70.8787	1.0650	1.0579050	67.42389
## 1422	25.5930	27.0	29.978350	71.3516	1.0650	1.0561300	68.26087
## 1424	22.3778	23.0	26.293771	71.4639	1.0650	1.0577600	68.74443
## 1426	19.1626	19.7	22.609193	71.0657	1.0650	1.0605070	69.22571

## 1428	17.7284	17.0	20.915330	70.5728	1.0650	1.0614570	69.49076
## 1430	18.0752	18.4	21.212182	70.6691	1.0650	1.0586930	69.37938
## 1432	18.4220	15.2	21.509034	71.5661	1.0650	1.0576470	69.37355
## 1434	15.5088	11.6	18.106095	72.8587	1.0650	1.0562940	69.49735
## 1436	12.5956	9.9	14.703155	73.9096	1.0650	1.0614920	69.71459
## 1438	10.8824	8.6	12.755097	74.5009	1.0650	1.0651480	69.89474
## 1440	10.3692	8.2	12.261918	74.8244	1.0650	1.0650260	70.39560
## 1442	9.8560	8.3	11.768740	75.0935	1.0650	1.0633340	70.86594
## 1444	9.5244	8.3	11.315656	75.3715	1.0650	1.0619200	71.46576
## 1446	9.1928	7.8	10.862571	75.6574	1.0650	1.0628280	71.70401
## 1448	8.7432	6.9	10.306053	75.9629	1.0650	1.0635280	71.71190
## 1450	8.1756	6.1	9.646102	76.2769	1.0650	1.0639540	71.51452
## 1452	7.6080	5.4	8.986151	76.5886	1.0650	1.0638110	71.07612
## 1454	144.1664	NA	216.280140	46.0414	1.0300	1.0165930	54.35294
## 1456	139.6052	NA	208.655350	46.8522	1.0300	1.0087630	53.34821
## 1458	135.0440	200.1	201.030560	47.6630	1.0300	0.9978173	52.97872
## 1460	130.4828	187.2	193.405770	48.4738	1.0300	0.9972168	52.04082
## 1462	125.9216	175.3	185.780980	49.2846	1.0300	0.9998783	51.07212
## 1464	121.5680	164.1	178.591610	50.9076	1.0300	1.0028480	50.00000
## 1466	117.4220	153.7	171.837670	51.5934	1.0300	1.0027410	48.75887
## 1468	113.2760	144.0	165.083730	52.2725	1.0300	1.0050220	48.15436
## 1470	109.5572	134.9	159.118650	53.0282	1.0300	1.0041000	48.10127
## 1472	105.8384	125.7	153.153580	53.9279	1.0300	1.0064840	48.51190
## 1474	101.2378	116.2	145.809360	55.0079	1.0300	1.0083620	49.16201
## 1476	95.7554	106.2	137.085990	56.2445	1.0300	1.0090110	49.54248
## 1478	90.2730	96.1	128.362630	57.5490	1.0300	1.0101130	50.12165
## 1480	84.0270	86.2	118.523630	58.8351	1.0300	1.0109080	50.33784
## 1482	77.7810	77.1	108.684630	60.0157	1.0300	1.0112180	50.83333
## 1484	72.4366	69.1	100.281450	61.0331	1.0300	1.0120420	50.91965
## 1486	67.9938	62.3	93.314093	61.8843	1.0300	1.0128390	50.94851
## 1488	63.5510	57.1	86.346732	62.5097	1.0300	1.0133940	51.14117
## 1490	61.7022	53.7	83.187823	62.8898	1.0300	1.0142870	51.46709
## 1492	59.8534	53.1	80.028915	62.8637	1.0300	1.0141170	52.23881
## 1494	59.4556	56.4	78.711283	61.9245	1.0300	1.0146770	53.09859
## 1496	60.5088	62.4	79.234927	59.6190	1.0300	1.0156830	54.36376
## 1498	61.5620	69.9	79.758571	56.2361	1.0300	1.0160840	55.83756
## 1500	66.2224	76.5	86.391204	52.4746	1.0300	1.0169040	57.04739
## 1502	70.8828	82.0	93.023838	49.4865	1.0300	1.0167520	58.13817
## 1504	71.6560	81.6	94.966868	48.6103	1.0300	1.0163360	59.50085
## 1506	68.5420	78.1	92.220295	50.5245	1.0300	1.0155930	60.35340
## 1508	65.4280	69.0	89.473722	54.5522	1.0300	1.0158110	61.26609
## 1510	57.8392	62.6	78.301757	59.0746	1.0300	1.0171410	62.29933
## 1512	50.2504	57.3	67.129792	62.4171	1.0300	1.0189830	63.14741
## 1514	44.1992	51.8	58.138350	63.9516	1.0300	1.0206220	63.68421
## 1516	39.6856	46.6	51.327431	64.3608	1.0300	1.0207250	64.15441
## 1518	35.1720	43.6	44.516512	64.4874	1.0300	1.0208050	64.45623
## 1520	146.4210	NA	203.877200	49.0856	1.0500	1.0184940	55.26841
## 1522	141.4050	NA	196.946920	49.9528	1.0500	1.0185060	55.09195
## 1524	136.3890	197.8	190.016650	50.8200	1.0500	1.0189610	54.82635
## 1526	131.3730	187.3	183.086370	51.6872	1.0500	1.0196700	54.21003
## 1528	126.3570	176.9	176.156100	52.5544	1.0500	1.0193210	53.71073
## 1530	121.4458	167.2	169.181210	54.7187	1.0500	1.0194760	53.26007
## 1532	116.6394	158.4	162.161700	55.7514	1.0500	1.0190760	52.86513
## 1534	111.8330	150.7	155.142190	56.7674	1.0500	1.0182590	52.88007

## 1536	107.6494	143.9	148.512720	57.7579	1.0500	1.0174370	53.06233
## 1538	103.4658	137.0	141.883240	58.7080	1.0500	1.0157750	53.73560
## 1540	99.4614	129.8	135.143570	59.5580	1.0500	1.0161960	54.44143
## 1542	95.6362	122.5	128.293700	60.2515	1.0500	1.0163240	55.09045
## 1544	91.8110	115.3	121.443820	60.8005	1.0500	1.0169480	55.90929
## 1546	88.5158	107.9	114.290970	61.2708	1.0500	1.0214680	56.67666
## 1548	85.2206	99.7	107.138110	61.7550	1.0500	1.0236970	57.53178
## 1550	81.1954	90.8	99.719308	62.3044	1.0500	1.0270710	58.13697
## 1552	76.4402	82.4	92.034556	62.9115	1.0500	1.0298010	58.60213
## 1554	71.6850	75.1	84.349804	63.5626	1.0500	1.0317720	59.10725
## 1556	65.2238	68.8	76.472047	64.2458	1.0500	1.0338500	59.57511
## 1558	58.7626	63.4	68.594290	64.9612	1.0500	1.0359030	60.22923
## 1560	52.9802	58.2	61.622031	65.7427	1.0500	1.0378500	61.03507
## 1562	47.8766	52.5	55.555270	66.6277	1.0500	1.0392890	61.93026
## 1564	42.7730	46.3	49.488509	67.6032	1.0500	1.0401660	62.95106
## 1566	39.4074	40.2	46.050236	68.6164	1.0500	1.0406160	63.92784
## 1568	36.0418	34.5	42.611962	69.5913	1.0500	1.0406010	64.84785
## 1570	33.1234	29.6	39.549285	70.4596	1.0500	1.0405610	65.53786
## 1572	30.6522	25.4	36.862204	71.2019	1.0500	1.0407890	66.10085
## 1574	28.1810	21.9	34.175122	71.8396	1.0500	1.0410940	66.62404
## 1576	25.0514	19.2	30.303595	72.4148	1.0500	1.0420260	67.14319
## 1578	21.9218	17.2	26.432067	72.9780	1.0500	1.0423480	67.68903
## 1580	19.4452	16.2	23.281567	73.5523	1.0500	1.0435870	68.25721
## 1582	17.6216	16.0	20.852095	74.1224	1.0500	1.0452260	68.69024
## 1584	15.7980	16.4	18.422623	74.6759	1.0500	1.0465450	69.12696
## 1586	93.2016	NA	129.035620	56.1088	1.0550	1.0828990	58.82353
## 1588	87.2708	NA	120.425190	57.1984	1.0550	1.0511050	57.89474
## 1590	81.3400	NA	111.814760	58.2880	1.0550	1.0412550	57.81250
## 1592	75.4092	NA	103.204330	59.3776	1.0550	1.0353830	57.14286
## 1594	69.4784	NA	94.593904	60.4672	1.0550	1.0411510	53.84615
## 1596	63.0270	NA	85.206446	63.0490	1.0550	1.0492240	50.58824
## 1598	56.0550	NA	75.041956	64.0762	1.0550	1.0501420	48.38710
## 1600	49.0830	NA	64.877467	64.9923	1.0550	1.0481360	48.54369
## 1602	45.1802	NA	59.463743	65.8144	1.0550	1.0566220	52.67857
## 1604	41.2774	NA	54.050020	66.5884	1.0550	1.0519740	52.41935
## 1606	37.7566	NA	49.196007	67.3355	1.0550	1.0435610	53.67647
## 1608	34.6178	NA	44.901705	68.0537	1.0550	1.0402590	54.72973
## 1610	31.4790	NA	40.607402	68.7394	1.0550	1.0509050	57.14286
## 1612	28.9582	NA	37.198025	69.3961	1.0550	1.0531410	56.89655
## 1614	26.4374	NA	33.788647	70.0248	1.0550	1.0557690	58.82353
## 1616	24.1648	NA	30.736787	70.6275	1.0550	1.0466970	59.29648
## 1618	22.1404	16.1	28.042446	71.2062	1.0550	1.0485360	59.24171
## 1620	20.1160	14.7	25.348105	71.7599	1.0550	1.0525560	60.08969
## 1622	18.4952	13.5	23.219319	72.2926	1.0550	1.0561610	60.16949
## 1624	16.8744	12.6	21.090533	72.8033	1.0550	1.0537130	62.80000
## 1626	15.4148	11.9	19.182491	73.2951	1.0550	1.0594680	63.01887
## 1628	14.1164	11.2	17.495192	73.7672	1.0550	1.0633960	63.57143
## 1630	12.8180	10.6	15.807894	74.2230	1.0550	1.0533900	63.72881
## 1632	11.7800	10.0	14.475943	74.6622	1.0550	1.0503500	65.37217
## 1634	10.7420	9.6	13.143992	75.0854	1.0550	1.0483480	66.04938
## 1636	9.8084	9.3	11.953439	75.4832	1.0550	1.0435710	68.54599
## 1638	8.9792	9.1	10.904284	75.8462	1.0550	1.0458770	67.90831
## 1640	8.1500	9.0	9.855128	76.2135	1.0550	1.0541210	68.78453
## 1642	7.4868	9.0	9.025992	76.6756	1.0550	1.0742080	70.40000

## 1644	6.8236	9.1	8.196856	77.2683	1.0550	1.0619710	70.54264
## 1646	6.4920	9.5	7.781500	77.9323	1.0550	1.0642970	72.18045
## 1648	6.4920	9.9	7.779923	78.5467	1.0550	1.0608160	72.50608
## 1650	6.4920	10.2	7.778347	79.0408	1.0550	1.0543890	72.57683
## 1652	113.3044	NA	146.163290	58.6232	1.0686	1.0445420	66.43845
## 1654	101.7972	NA	131.098220	60.3396	1.0678	1.0436730	66.35665
## 1656	90.2900	NA	116.033150	62.0560	1.0670	1.0450540	66.22464
## 1658	78.7828	NA	100.968080	63.7724	1.0662	1.0466640	66.21022
## 1660	67.2756	NA	85.903011	65.4888	1.0654	1.0468920	66.29055
## 1662	56.3764	NA	71.417026	70.1956	1.0636	1.0488880	66.57845
## 1664	46.0852	46.7	57.510126	70.3093	1.0608	1.0520680	67.00111
## 1666	35.7940	44.9	43.603225	71.2939	1.0580	1.0542530	67.38971
## 1668	33.6616	43.9	40.483883	70.4139	1.0596	1.0559350	67.54712
## 1670	31.5292	40.8	37.364541	70.4300	1.0612	1.0538830	67.55508
## 1672	29.4638	37.3	34.594658	70.8737	1.0618	1.0532540	67.45846
## 1674	27.4654	35.6	32.174235	71.3422	1.0614	1.0551660	67.19112
## 1676	25.4670	34.3	29.753811	71.0498	1.0610	1.0565690	66.81563
## 1678	24.0006	32.5	28.288946	70.8161	1.0610	1.0563300	66.29124
## 1680	22.5342	30.0	26.824081	71.3083	1.0610	1.0542630	65.95023
## 1682	20.9020	27.6	25.185751	71.5720	1.0610	1.0537820	66.05556
## 1684	19.1040	25.7	23.373957	71.3863	1.0610	1.0564240	66.62938
## 1686	17.3060	23.6	21.562162	71.2281	1.0610	1.0574730	67.03125
## 1688	16.0784	21.7	20.135223	71.5268	1.0606	1.0575540	66.89031
## 1690	14.8508	21.5	18.708283	71.7224	1.0602	1.0507100	66.52776
## 1692	14.4680	22.6	18.241823	71.5610	1.0584	1.0457000	66.40366
## 1694	14.9300	23.1	18.735841	71.3468	1.0552	1.0482720	66.65497
## 1696	15.3920	23.1	19.229860	71.0534	1.0520	1.0540860	67.01364
## 1698	15.3216	23.1	19.164543	70.3512	1.0544	1.0590720	67.20732
## 1700	15.2512	22.0	19.099226	71.4122	1.0568	1.0549550	67.46839
## 1702	14.7224	20.1	18.325181	71.7683	1.0592	1.0518180	67.96068
## 1704	13.7352	18.1	16.842406	72.0659	1.0616	1.0563630	68.50737
## 1706	12.7480	15.9	15.359632	72.5610	1.0640	1.0619680	68.95340
## 1708	11.4596	14.2	13.819152	72.6634	1.0612	1.0624530	68.90856
## 1710	10.1712	13.3	12.278672	73.4122	1.0584	1.0576130	68.48525
## 1712	9.2862	12.6	11.188944	74.1634	1.0576	1.0548160	67.69984
## 1714	8.8046	11.5	10.549968	74.8610	1.0588	1.0556210	66.78158
## 1716	8.3230	10.4	9.910991	74.4659	1.0600	1.0575330	65.79941
## 1718	243.3354	387.0	396.441570	29.0636	1.0460	1.0477660	57.00740
## 1720	235.7102	380.4	386.340010	30.0028	1.0460	1.0323780	56.75125
## 1722	228.0850	372.3	376.238460	30.9420	1.0460	1.0255680	56.87403
## 1724	220.4598	363.1	366.136900	31.8812	1.0460	1.0204040	56.49267
## 1726	212.8346	352.3	356.035350	32.8204	1.0460	1.0256690	56.31822
## 1728	205.6470	343.1	346.275220	34.9386	1.0460	1.0302850	55.99591
## 1730	198.8970	334.5	336.856520	35.8797	1.0460	1.0294790	55.50915
## 1732	192.1470	328.0	327.437810	36.8378	1.0460	1.0276530	55.23773
## 1734	184.1222	322.9	316.985260	37.7683	1.0460	1.0265050	54.53865
## 1736	176.0974	320.1	306.532710	38.6577	1.0460	1.0280850	54.07019
## 1738	168.3670	317.3	297.595000	39.5385	1.0460	1.0288950	53.52088
## 1740	160.9310	307.9	290.172120	40.4803	1.0460	1.0292320	53.05228
## 1742	153.4950	288.5	282.749250	41.6064	1.0460	1.0292800	52.77011
## 1744	145.2934	265.7	273.016600	43.1302	1.0460	1.0296870	52.02375
## 1746	137.0918	247.8	263.283960	45.0134	1.0460	1.0300720	51.45384
## 1748	130.2468	236.1	252.523960	46.9283	1.0460	1.0306260	50.83751
## 1750	124.7584	227.8	240.736590	48.4220	1.0460	1.0309780	50.36099

## 1752	119.2700	219.2	228.949230	49.2512	1.0460	1.0321060	50.01294
## 1754	115.4432	209.6	222.305890	49.4723	1.0460	1.0319860	49.59459
## 1756	111.6164	203.4	215.662550	49.4199	1.0460	1.0323790	49.44056
## 1758	108.5606	201.8	210.642590	49.3165	1.0460	1.0328340	49.41436
## 1760	106.2758	202.0	207.246010	49.2597	1.0460	1.0328770	49.49749
## 1762	103.9910	199.4	203.849430	49.3384	1.0460	1.0331420	49.85134
## 1764	102.1926	194.0	198.433790	49.5883	1.0460	1.0330610	49.94375
## 1766	100.3942	188.5	193.018150	50.0207	1.0460	1.0332060	50.27918
## 1768	97.5968	182.4	186.842930	50.7832	1.0460	1.0339350	50.47308
## 1770	93.8004	173.1	179.908140	52.0081	1.0460	1.0344810	50.66393
## 1772	90.0040	158.3	172.973350	53.5813	1.0460	1.0349970	50.94621
## 1774	85.0244	139.9	157.926410	55.1888	1.0460	1.0348140	50.93943
## 1776	80.0448	121.4	142.879470	56.5250	1.0460	1.0333340	51.10115
## 1778	74.9982	106.9	128.215360	57.4921	1.0460	1.0327690	51.27584
## 1780	69.8846	96.6	113.934060	58.2406	1.0460	1.0337410	51.59213
## 1782	64.7710	88.6	99.652765	58.9313	1.0460	1.0349150	52.03535
## 1784	173.8608	NA	292.594050	37.8326	1.0300	0.9755312	55.53201
## 1786	170.2304	NA	286.637110	38.4318	1.0300	0.9892899	54.76483
## 1788	166.6000	NA	280.680170	39.0310	1.0300	0.9960914	54.64243
## 1790	162.9696	NA	274.723230	39.6302	1.0300	1.0005040	53.91933
## 1792	159.3392	NA	268.766300	40.2294	1.0300	0.9983830	53.60410
## 1794	155.7722	NA	262.869890	41.5455	1.0300	0.9963228	53.09859
## 1796	152.2686	NA	257.034020	42.1778	1.0300	0.9974041	52.38902
## 1798	148.7650	243.0	251.198160	42.7901	1.0300	0.9997369	52.06236
## 1800	145.4154	245.8	245.587440	43.2800	1.0300	1.0019470	51.49923
## 1802	142.0658	247.3	239.976730	43.6274	1.0300	1.0018060	51.57678
## 1804	139.6262	247.5	235.877520	43.9599	1.0300	1.0014950	51.46849
## 1806	138.0966	247.1	233.289810	44.4715	1.0300	1.0020460	51.24198
## 1808	136.5670	246.5	230.702090	45.2189	1.0300	1.0023440	51.50938
## 1810	131.9578	242.0	222.801340	46.0929	1.0300	0.9984874	51.86928
## 1812	127.3486	230.2	214.900580	46.9030	1.0300	0.9954379	52.22692
## 1814	123.4692	212.3	208.028930	47.6047	1.0300	0.9971831	52.05189
## 1816	120.3196	192.6	202.186390	48.2616	1.0300	0.9995645	51.62728
## 1818	117.1700	177.5	196.343850	48.7856	1.0300	1.0038350	51.00545
## 1820	115.2228	170.6	192.452050	48.8245	1.0300	1.0054240	50.05873
## 1822	113.2756	170.7	188.560240	48.3235	1.0300	1.0057840	49.33089
## 1824	113.9466	172.9	189.822820	47.7652	1.0300	1.0057350	48.59375
## 1826	117.2358	173.5	196.239780	47.8586	1.0300	1.0045730	47.95681
## 1828	120.5250	170.5	202.656750	48.8008	1.0300	1.0063080	47.87626
## 1830	113.3910	164.4	188.522540	50.1199	1.0300	1.0030690	47.75701
## 1832	106.2570	156.4	174.388340	51.1492	1.0300	1.0047410	48.05979
## 1834	101.0672	147.8	164.231520	51.7248	1.0300	1.0067980	49.04981
## 1836	97.8216	138.3	158.052090	52.1453	1.0300	1.0071440	50.57425
## 1838	94.5760	127.1	151.872650	52.6970	1.0300	1.0055480	51.89060
## 1840	91.2424	114.5	146.153220	53.4561	1.0300	1.0031240	52.68350
## 1842	87.9088	103.5	140.433790	54.3512	1.0300	1.0025590	53.23410
## 1844	84.5636	94.9	134.678760	55.3120	1.0300	1.0060980	53.28907
## 1846	81.2068	87.8	128.888130	56.2516	1.0300	1.0095300	53.04796
## 1848	77.8500	81.7	123.097510	57.1070	1.0300	1.0122000	52.75069
## 1850	135.4352	NA	201.652040	47.5082	1.0300	1.0114480	60.21505
## 1852	133.8656	NA	199.115740	47.7866	1.0300	1.0240550	56.92308
## 1854	132.2960	NA	196.579440	48.0650	1.0300	1.0137350	58.37563
## 1856	130.7264	NA	194.043130	48.3434	1.0300	1.0055200	55.05051
## 1858	129.1568	NA	191.506830	48.6218	1.0300	1.0007970	55.00000



## 1860	127.6166	NA	188.979340	49.0460	1.0300	0.9959602	52.42718
## 1862	126.1058	NA	186.460670	49.6805	1.0300	0.9906495	49.30876
## 1864	124.5950	NA	183.941990	50.6800	1.0300	0.9936208	47.84483
## 1866	118.0946	NA	173.311810	51.9108	1.0300	1.0011930	48.38710
## 1868	111.5942	179.2	162.681630	53.1757	1.0300	1.0114460	47.92453
## 1870	105.4560	151.1	152.731150	54.4090	1.0300	1.0257730	46.88645
## 1872	99.6800	127.8	143.460370	55.6766	1.0300	1.0237430	46.52015
## 1874	93.9040	109.4	134.189590	57.0209	1.0300	1.0153830	47.42647
## 1876	83.8652	96.1	118.376250	58.4423	1.0300	0.9956122	46.01449
## 1878	73.8264	87.7	102.562910	59.8838	1.0300	1.0111620	46.80851
## 1880	67.1564	83.7	92.077919	61.2562	1.0300	1.0213910	48.10997
## 1882	63.8552	81.6	86.921280	62.4813	1.0300	1.0192530	49.00662
## 1884	60.5540	78.1	81.764641	63.5271	1.0300	1.0173680	50.63694
## 1886	57.5548	71.8	77.066332	64.4030	1.0300	1.0165190	50.00000
## 1888	54.5556	65.1	72.368023	65.1865	1.0300	1.0175500	50.00000
## 1890	51.6964	61.0	67.894072	65.9635	1.0300	1.0199850	49.85673
## 1892	48.9772	59.2	63.644479	66.7946	1.0300	1.0222360	49.72826
## 1894	46.2580	56.1	59.394886	67.6787	1.0300	1.0215740	49.35733
## 1896	42.6160	49.0	54.080594	68.5556	1.0300	1.0213120	49.75610
## 1898	38.9740	39.6	48.766302	69.3547	1.0300	1.0212500	51.16279
## 1900	34.7290	32.2	42.854960	70.0860	1.0300	1.0191920	52.12528
## 1902	29.8810	28.5	36.346569	70.8133	1.0300	1.0170250	54.42765
## 1904	25.0330	27.7	29.838177	71.5235	1.0300	1.0181880	56.96203
## 1906	24.4170	28.1	29.055640	72.0994	1.0300	1.0211830	58.83576
## 1908	23.8010	28.1	28.273104	72.4712	1.0300	1.0204510	61.31687
## 1910	23.2880	27.3	27.624026	72.7096	1.0300	1.0224720	63.03030
## 1912	22.8780	25.9	27.108406	72.9724	1.0300	1.0241420	64.89152
## 1914	22.4680	24.5	26.592787	73.3556	1.0300	1.0239490	65.64299
## 1916	148.0406	NA	221.869080	39.7422	1.0420	1.0151570	54.73568
## 1918	145.2698	NA	217.421480	40.0326	1.0420	1.0148050	53.80435
## 1920	142.4990	NA	212.973890	40.3230	1.0420	1.0146800	53.28973
## 1922	139.7282	NA	208.526290	40.6134	1.0420	1.0146210	52.44913
## 1924	136.9574	NA	204.078700	40.9038	1.0420	1.0152020	52.01649
## 1926	135.3030	NA	201.417610	41.3577	1.0418	1.0150980	51.51567
## 1928	134.7650	NA	200.543040	41.7028	1.0414	1.0144480	50.80880
## 1930	134.2270	NA	199.668470	42.0758	1.0410	1.0143600	50.70357
## 1932	133.3142	NA	198.182720	42.4761	1.0418	1.0134910	50.86619
## 1934	132.4014	NA	196.696960	42.3617	1.0426	1.0144660	51.59374
## 1936	133.2854	NA	198.132870	39.7333	1.0426	1.0185120	52.14176
## 1938	135.9662	NA	202.490450	32.8129	1.0418	1.0256900	52.43381
## 1940	138.6470	310.0	206.848030	23.8845	1.0410	1.0140880	53.28390
## 1942	211.0258	261.9	308.542140	19.2655	1.0406	0.9961981	54.34783
## 1944	283.4046	207.8	410.236250	23.0291	1.0402	0.9606041	56.01177
## 1946	286.3458	159.1	409.720270	33.4499	1.0418	0.9456366	56.67897
## 1948	219.8494	130.4	306.994190	44.1192	1.0454	0.9869962	55.69761
## 1950	153.3530	121.2	204.268110	50.4381	1.0490	1.0215820	54.78497
## 1952	126.3990	118.4	169.906320	52.4700	1.0434	1.0339790	53.56101
## 1954	99.4450	117.4	135.544530	53.2087	1.0378	1.0239900	53.43345
## 1956	85.9956	117.4	118.389170	53.8363	1.0352	1.0152730	52.45093
## 1958	86.0508	118.6	118.440250	54.4418	1.0356	1.0164060	50.94434
## 1960	86.1060	121.5	118.491330	55.1217	1.0360	1.0194820	50.47218
## 1962	86.2028	122.5	118.735840	56.1439	1.0364	1.0258570	51.39783
## 1964	86.2996	115.7	118.980350	57.5288	1.0368	1.0224960	53.91902
## 1966	82.2500	98.7	112.216840	59.2473	1.0364	1.0210720	56.51056

## 1968	74.0540	78.8	98.445317	61.1376	1.0352	1.0167440	58.19704
## 1970	65.8580	65.4	84.673793	62.9677	1.0340	1.0197170	59.54955
## 1972	57.4960	55.8	72.348753	64.5523	1.0460	1.0252090	61.04312
## 1974	49.1340	47.3	60.023714	65.8445	1.0580	1.0488600	62.41782
## 1976	41.9434	39.3	50.071330	66.8729	1.0610	1.0639060	63.28377
## 1978	35.9242	32.9	42.491603	67.7720	1.0550	1.0546100	63.96074
## 1980	29.9050	28.7	34.911877	68.6561	1.0490	1.0411720	64.28296
## 1982	178.7322	NA	300.704910	37.0142	1.0300	0.9935233	56.75616
## 1984	174.0646	NA	293.037090	37.7786	1.0300	0.9982053	56.57811
## 1986	169.3970	334.9	285.369280	38.5430	1.0300	1.0009080	56.75010
## 1988	164.7294	310.3	277.701470	39.3074	1.0300	1.0035080	56.46756
## 1990	160.0618	289.3	270.033660	40.0718	1.0300	1.0033470	56.39513
## 1992	155.1552	275.7	261.914480	41.9653	1.0300	1.0036230	56.15638
## 1994	150.0096	267.2	253.343950	42.8436	1.0300	1.0048180	55.72653
## 1996	144.8640	257.3	244.773410	43.7152	1.0300	1.0064320	55.46092
## 1998	140.1184	242.0	236.778160	44.6136	1.0300	1.0080040	54.81611
## 2000	135.3728	222.5	228.782920	45.5718	1.0300	1.0087840	54.34848
## 2002	130.3862	204.7	220.139540	46.5985	1.0300	1.0091350	53.77087
## 2004	125.1586	194.3	210.848030	47.6716	1.0300	1.0085970	53.13865
## 2006	119.9310	191.1	201.556520	48.7464	1.0300	1.0084750	52.75804
## 2008	114.9834	190.4	192.169510	49.7904	1.0300	1.0093480	52.14364
## 2010	110.0358	185.8	182.782500	50.7630	1.0300	1.0108300	51.77542
## 2012	105.7648	176.3	174.677990	51.6135	1.0300	1.0124510	51.40746
## 2014	102.1704	163.4	167.856000	52.3104	1.0300	1.0131940	50.95189
## 2016	98.5760	150.2	161.034000	52.8448	1.0300	1.0136750	50.67913
## 2018	97.0084	140.7	157.681590	53.2382	1.0300	1.0142970	50.29007
## 2020	95.4408	137.2	154.329190	53.5100	1.0300	1.0148300	50.20056
## 2022	95.3562	140.0	153.799810	53.6243	1.0300	1.0158460	50.09251
## 2024	96.7546	146.0	156.093450	53.5248	1.0300	1.0165070	50.11011
## 2026	98.1530	151.8	158.387090	53.2186	1.0300	1.0172100	50.35894
## 2028	99.6318	155.3	160.863700	52.7261	1.0300	1.0179210	50.59143
## 2030	101.1106	153.8	163.340310	52.1739	1.0300	1.0182660	51.06356
## 2032	99.1810	145.7	159.741260	51.7572	1.0300	1.0181210	51.48012
## 2034	93.8430	134.7	150.066530	51.6390	1.0300	1.0179800	51.87293
## 2036	88.5050	125.1	140.391810	51.8890	1.0300	1.0180800	52.37491
## 2038	83.9754	116.6	132.558810	52.4791	1.0300	1.0185460	52.68372
## 2040	79.4458	109.0	124.725810	53.2649	1.0300	1.0187480	53.10352
## 2042	75.2536	101.0	117.555750	54.1374	1.0300	1.0193510	53.46371
## 2044	71.3988	93.9	111.048620	55.0418	1.0300	1.0196870	53.81117
## 2046	67.5440	87.9	104.541490	55.9344	1.0300	1.0200090	54.27519
## 2048	42.4974	46.2	50.359526	67.8244	1.0588	1.0424170	62.19149
## 2050	40.1642	41.8	47.416944	68.3592	1.0584	1.0424970	61.26865
## 2052	37.8310	38.3	44.474362	68.8940	1.0580	1.0434960	60.09915
## 2054	35.4978	35.8	41.531779	69.4288	1.0576	1.0462390	59.36241
## 2056	33.1646	33.7	38.589197	69.9636	1.0572	1.0468880	58.74050
## 2058	30.7996	31.6	35.737342	71.3461	1.0566	1.0483600	58.48273
## 2060	28.4028	29.4	32.976214	71.3807	1.0558	1.0509770	58.55737
## 2062	26.0060	27.1	30.215086	71.8722	1.0550	1.0527280	59.01589
## 2064	23.9432	25.0	27.933814	72.2078	1.0550	1.0530940	59.96371
## 2066	21.8804	23.0	25.652543	72.5015	1.0550	1.0486250	61.23097
## 2068	19.9340	21.0	23.497252	73.0293	1.0560	1.0481100	62.64513
## 2070	18.1040	19.0	21.467941	73.1627	1.0580	1.0512180	63.99573
## 2072	16.2740	17.0	19.438631	73.5217	1.0600	1.0535050	65.36018
## 2074	14.6556	15.1	17.563797	74.2156	1.0584	1.0555780	66.40111

## 2076	13.0372	13.3	15.688964	74.8663	1.0568	1.0534400	67.45404
## 2078	11.5790	11.8	13.980197	75.4785	1.0560	1.0520850	68.12823
## 2080	10.2810	10.6	12.437497	76.0363	1.0560	1.0526550	68.42876
## 2082	8.9830	9.7	10.894796	76.3034	1.0560	1.0537070	68.47338
## 2084	8.3506	9.1	10.154480	76.7395	1.0544	1.0513880	68.35958
## 2086	7.7182	8.6	9.414164	77.0656	1.0528	1.0497040	68.17116
## 2088	7.1702	8.0	8.734058	77.5534	1.0528	1.0481850	67.94103
## 2090	6.7066	7.4	8.114162	77.6851	1.0544	1.0493640	67.70684
## 2092	6.2430	6.9	7.494266	77.9776	1.0560	1.0513520	67.67235
## 2094	5.8890	6.5	7.068320	78.4805	1.0552	1.0504920	67.77476
## 2096	5.5350	6.3	6.642374	78.8829	1.0544	1.0481900	68.11637
## 2098	5.3398	6.2	6.374751	79.4878	1.0540	1.0483030	68.50053
## 2100	5.3034	6.1	6.265452	79.8390	1.0540	1.0526720	68.88214
## 2102	5.2670	6.1	6.156153	80.2927	1.0540	1.0568970	69.21813
## 2104	5.1998	5.9	6.038374	80.5439	1.0536	1.0568520	69.44091
## 2106	5.1326	5.7	5.920596	80.9463	1.0532	1.0537360	69.46692
## 2108	5.0244	5.4	5.767131	81.4488	1.0536	1.0486310	69.14203
## 2110	4.8752	5.2	5.577981	81.7650	1.0548	1.0483440	68.61287
## 2112	4.7260	4.9	5.388831	82.1376	1.0560	1.0505420	67.89093
## 2114	215.5042	NA	358.928620	31.7900	1.0300	0.9981059	58.50746
## 2116	209.6966	NA	349.720920	32.6140	1.0300	0.9925156	58.18713
## 2118	203.8890	NA	340.513230	33.4380	1.0300	0.9900417	58.21429
## 2120	198.0814	NA	331.305540	34.2620	1.0300	0.9889941	57.68963
## 2122	192.2738	NA	322.097840	35.0860	1.0300	0.9909723	57.50000
## 2124	186.6272	278.1	313.081720	36.8957	1.0300	0.9937038	57.09614
## 2126	181.1416	266.5	304.257170	37.7603	1.0300	0.9938559	56.62043
## 2128	175.6560	253.9	295.432620	38.7259	1.0300	0.9935958	56.25000
## 2130	169.2300	240.7	284.914430	39.8686	1.0300	0.9944647	55.43921
## 2132	162.8040	228.2	274.396240	41.2024	1.0300	0.9952284	55.24554
## 2134	155.3350	217.1	262.018520	42.7085	1.0300	0.9964360	54.88197
## 2136	146.8230	207.5	247.781260	44.3146	1.0300	0.9969180	54.38596
## 2138	138.3110	199.3	233.544000	45.8814	1.0300	0.9975731	54.18939
## 2140	130.6254	192.3	220.103310	47.2814	1.0300	0.9987876	53.72214
## 2142	122.9398	186.1	206.662620	48.4244	1.0300	0.9994121	53.65854
## 2144	117.3604	181.5	196.470860	49.2318	1.0300	1.0001150	53.58974
## 2146	113.8872	178.9	189.528050	49.7058	1.0300	0.9993189	53.56137
## 2148	110.4140	177.8	182.585240	49.8683	1.0300	0.9984492	53.61492
## 2150	110.0720	177.2	181.509910	49.7244	1.0300	0.9986285	53.03526
## 2152	109.7300	176.8	180.434580	49.3123	1.0300	0.9987487	52.90839
## 2154	110.2556	176.2	180.716970	48.6641	1.0300	0.9996523	52.83959
## 2156	111.6488	176.1	182.357090	47.8099	1.0300	0.9992985	53.07474
## 2158	113.0420	176.7	183.997200	46.8462	1.0300	0.9991055	53.41727
## 2160	113.9936	176.9	185.212390	45.8464	1.0300	0.9992871	53.54488
## 2162	114.9452	175.7	186.427580	44.9431	1.0300	0.9989470	53.68191
## 2164	115.0248	173.5	186.529920	44.3621	1.0300	0.9996058	53.83399
## 2166	114.2324	170.3	185.519420	44.2778	1.0300	0.9995314	54.01478
## 2168	113.4400	166.2	184.508920	44.7381	1.0300	0.9993811	54.35265
## 2170	110.4344	161.3	179.678650	45.6874	1.0300	1.0001920	54.66445
## 2172	107.4288	154.2	174.848380	46.9350	1.0300	0.9998086	55.22696
## 2174	103.4408	146.2	167.988090	48.3504	1.0300	1.0007740	55.88170
## 2176	98.4704	138.5	159.097800	49.8799	1.0300	1.0012920	56.39066
## 2178	93.5000	130.1	150.207500	51.4191	1.0300	1.0020310	57.04082
## 2180	192.9568	NA	322.965800	35.0170	1.0300	1.0176900	57.42925
## 2182	189.4764	NA	317.354650	35.5390	1.0300	0.9799821	56.65529

## 2184	185.9960	NA	311.743490	36.0610	1.0300	0.9662237	56.35965
## 2186	182.5156	NA	306.132340	36.5830	1.0300	0.9605719	55.58295
## 2188	179.0352	NA	300.521190	37.1050	1.0300	0.9729639	55.39715
## 2190	175.5552	NA	294.947910	38.2734	1.0300	0.9886316	54.86610
## 2192	172.0756	NA	289.412520	38.7859	1.0300	0.9907561	54.16013
## 2194	168.5960	NA	283.877130	39.3333	1.0300	0.9900154	53.82060
## 2196	164.9940	NA	278.015470	40.0111	1.0300	0.9927255	53.43423
## 2198	161.3920	NA	272.153810	40.8479	1.0300	0.9995100	53.51639
## 2200	156.9152	NA	264.668580	41.7612	1.0300	1.0038760	53.32618
## 2202	151.5636	251.0	255.559790	42.6043	1.0300	1.0053990	52.95472
## 2204	146.2120	248.1	246.451000	43.2931	1.0300	1.0069250	52.77574
## 2206	142.8124	245.3	240.949390	43.8605	1.0300	1.0091350	52.07991
## 2208	139.4128	242.0	235.447780	44.4007	1.0300	1.0121520	51.61728
## 2210	136.1854	238.1	230.121200	44.9566	1.0300	1.0138200	51.03015
## 2212	133.1302	233.5	224.969660	45.5211	1.0300	1.0134560	50.51760
## 2214	130.0750	228.2	219.818120	46.0526	1.0300	1.0130930	50.16690
## 2216	127.3330	222.8	214.613950	46.4910	1.0300	1.0136130	49.62100
## 2218	124.5910	217.3	209.409780	46.8066	1.0300	1.0149650	49.35875
## 2220	122.3942	212.0	205.193280	47.0266	1.0300	1.0152040	49.09771
## 2222	120.7426	207.0	201.964430	47.2168	1.0300	1.0139380	48.78756
## 2224	119.0910	202.7	198.735590	47.4049	1.0300	1.0126240	48.74322
## 2226	117.1302	198.3	194.764150	47.5336	1.0300	1.0118370	48.35869
## 2228	115.1694	193.0	190.792720	47.5741	1.0300	1.0122720	48.29044
## 2230	113.5146	187.3	187.448810	47.5871	1.0300	1.0135910	48.15328
## 2232	112.1658	181.9	184.732410	47.6819	1.0300	1.0149490	48.08638
## 2234	110.8170	177.0	182.016020	47.9739	1.0300	1.0162870	48.22688
## 2236	108.5530	171.5	178.025960	48.5592	1.0300	1.0176830	48.25123
## 2238	106.2890	164.0	174.035900	49.3932	1.0300	1.0183760	48.55356
## 2240	102.3722	156.0	167.040580	50.3320	1.0300	1.0180460	48.87787
## 2242	96.8026	147.1	157.040000	51.1915	1.0300	1.0175470	49.28495
## 2244	91.2330	138.7	147.039420	51.8733	1.0300	1.0172620	49.83616
## 2246	126.0608	NA	167.073660	51.5114	1.0400	1.0254760	58.54435
## 2248	124.2904	NA	163.055530	52.5442	1.0400	1.0246230	57.75034
## 2250	122.5200	NA	159.037410	53.5770	1.0400	1.0234540	57.27193
## 2252	120.7496	NA	155.019290	54.6098	1.0400	1.0218620	56.59195
## 2254	118.9792	169.1	151.001160	55.6426	1.0400	1.0215060	56.33559
## 2256	115.9702	148.5	145.625980	57.9863	1.0400	1.0212920	56.00152
## 2258	111.7226	135.8	138.893740	59.0464	1.0400	1.0210630	55.69313
## 2260	107.4750	115.9	132.161510	60.1101	1.0400	1.0213440	55.62007
## 2262	99.7510	94.1	121.073990	61.1754	1.0400	1.0221980	55.68030
## 2264	92.0270	81.7	109.986470	62.2383	1.0400	1.0232430	56.02005
## 2266	83.8638	78.4	99.131070	63.2965	1.0400	1.0248500	56.50344
## 2268	75.2614	74.6	88.507793	64.3473	1.0400	1.0263220	57.21649
## 2270	66.6590	64.7	77.884517	65.3888	1.0400	1.0278980	58.12860
## 2272	57.6286	48.8	67.472100	66.4179	1.0400	1.0297310	59.13828
## 2274	48.5982	36.8	57.059683	67.4317	1.0400	1.0312420	60.18970
## 2276	40.1858	30.1	47.332778	68.4281	1.0400	1.0328650	61.29825
## 2278	32.3914	24.6	38.291384	69.4077	1.0400	1.0343540	62.35735
## 2280	24.5970	22.4	29.249989	70.3694	1.0400	1.0355460	63.21440
## 2282	21.9462	21.9	26.168427	71.3108	1.0400	1.0360640	63.72721
## 2284	19.2954	20.4	23.086864	72.2292	1.0400	1.0363560	64.06528
## 2286	17.0716	17.7	20.505778	73.1213	1.0400	1.0364660	64.26539
## 2288	15.2748	15.1	18.425169	73.9886	1.0400	1.0367430	64.47493
## 2290	13.4780	13.1	16.344560	74.8304	1.0400	1.0370390	64.71044

## 2292	12.2908	12.2	14.993865	75.6464	1.0400	1.0373870	65.03358
## 2294	11.1036	11.5	13.643169	76.4360	1.0400	1.0372680	65.40721
## 2296	10.0814	10.3	12.462534	77.1987	1.0400	1.0373670	65.95481
## 2298	9.2242	9.5	11.451959	77.9330	1.0400	1.0375120	66.68150
## 2300	8.3670	9.1	10.441384	78.6383	1.0400	1.0377510	67.37901
## 2302	8.1502	8.9	10.088872	79.3135	1.0400	1.0379910	67.87949
## 2304	7.9334	8.8	9.736360	79.9608	1.0400	1.0381330	68.29471
## 2306	7.7314	8.7	9.412678	80.5870	1.0400	1.0383580	68.57342
## 2308	7.5442	8.4	9.117826	81.1979	1.0400	1.0384870	68.80797
## 2310	7.3570	8.1	8.822975	81.7876	1.0400	1.0387630	68.84890
## 2312	127.1610	NA	206.383540	42.8674	1.0700	1.0681870	60.38553
## 2314	128.0250	NA	205.851700	43.1282	1.0700	1.0640110	58.75507
## 2316	128.8890	NA	205.319870	43.3890	1.0700	1.0638570	58.15438
## 2318	129.7530	NA	204.788030	43.6498	1.0700	1.0657460	57.04993
## 2320	130.6170	NA	204.256200	43.9106	1.0700	1.0622140	56.65642
## 2322	131.8468	NA	205.197840	43.6733	1.0700	1.0619580	56.31698
## 2324	133.4424	NA	207.612950	45.5789	1.0700	1.0666490	55.53517
## 2326	135.0380	NA	210.028060	49.1393	1.0700	1.0673780	55.34602
## 2328	118.5544	NA	183.379580	53.4298	1.0700	1.0595480	55.12960
## 2330	102.0708	119.1	156.731100	57.1919	1.0700	1.0485410	55.56186
## 2332	89.4626	107.7	134.696730	59.9080	1.0700	1.0446130	55.55640
## 2334	80.7298	96.5	117.276470	61.9065	1.0700	1.0519760	55.49119
## 2336	71.9970	85.2	99.856219	63.5587	1.0700	1.0615550	55.86464
## 2338	65.1894	74.6	89.232975	64.9365	1.0700	1.0706110	56.90536
## 2340	58.3818	65.9	78.609730	66.0497	1.0700	1.0654770	58.42142
## 2342	52.9154	59.6	70.045129	66.9398	1.0700	1.0599100	60.33822
## 2344	48.7902	55.7	63.539171	67.6288	1.0700	1.0606850	62.28324
## 2346	44.6650	54.0	57.033212	68.1571	1.0700	1.0643840	64.01035
## 2348	43.7118	53.7	55.625419	68.5594	1.0740	1.0671140	64.97588
## 2350	42.7586	54.0	54.217626	68.8803	1.0780	1.0709790	65.57410
## 2352	41.9166	53.3	52.804584	69.1821	1.0880	1.0789470	65.72214
## 2354	41.1858	51.0	51.386292	69.5092	1.1040	1.0951090	66.04812
## 2356	40.4550	47.5	49.968000	69.9264	1.1200	1.1145170	66.34298
## 2358	37.9734	43.6	46.959849	70.5227	1.1280	1.1387600	67.04919
## 2360	35.4918	39.3	43.951697	71.2971	1.1360	1.1343180	67.66322
## 2362	32.4650	34.3	40.045667	72.1758	1.1440	1.1301590	68.96638
## 2364	28.8930	28.9	35.241758	73.0331	1.1520	1.1409380	70.72285
## 2366	25.3210	24.0	30.437849	73.7670	1.1600	1.1558730	72.41860
## 2368	21.8866	20.1	26.098244	74.3404	1.1640	1.1651590	73.48633
## 2370	18.4522	17.0	21.758639	74.8033	1.1680	1.1670260	74.20804
## 2372	15.7178	14.5	18.378069	75.2022	1.1680	1.1674160	74.35324
## 2374	13.6834	12.3	15.956532	75.5851	1.1640	1.1634050	73.95638
## 2376	11.6490	10.7	13.534996	75.9863	1.1600	1.1581590	73.21709
## 2378	137.4326	NA	216.710270	47.0252	1.0500	1.0246740	53.46457
## 2380	130.3018	NA	202.643220	48.8356	1.0500	1.0265300	52.68249
## 2382	123.1710	NA	188.576160	50.6460	1.0500	1.0278370	52.01743
## 2384	116.0402	NA	174.509110	52.4564	1.0500	1.0305030	51.19395
## 2386	108.9094	130.0	160.442060	54.2668	1.0500	1.0309750	50.60957
## 2388	102.6942	124.6	148.959750	57.2477	1.0500	1.0317760	50.17077
## 2390	97.3946	119.4	140.062200	58.2008	1.0500	1.0322670	49.87523
## 2392	92.0950	114.0	131.164640	59.0622	1.0500	1.0328260	49.87463
## 2394	88.1278	108.0	124.558910	59.8402	1.0500	1.0335390	49.94830
## 2396	84.1606	101.1	117.953180	60.5370	1.0500	1.0342990	50.34666
## 2398	80.3480	94.0	111.933760	61.2114	1.0500	1.0344530	50.97293

## 2400	76.6900	86.7	106.500660	61.9284	1.0500	1.0339120	51.90707
## 2402	73.0320	78.7	101.067560	62.7521	1.0500	1.0337840	52.97088
## 2404	66.4984	69.9	92.715360	63.7583	1.0500	1.0354600	54.10152
## 2406	59.9648	61.3	84.363160	64.9003	1.0500	1.0373570	55.06952
## 2408	53.9506	53.7	76.095777	66.0249	1.0500	1.0386290	56.08613
## 2410	48.4558	47.3	67.913213	66.9469	1.0500	1.0391990	57.24391
## 2412	42.9610	42.3	59.730649	67.5743	1.0500	1.0393160	58.18258
## 2414	39.9142	38.7	55.227697	67.9292	1.0500	1.0406420	58.77057
## 2416	36.8674	36.2	50.724745	68.1710	1.0500	1.0412180	59.21663
## 2418	33.8010	34.1	46.377163	68.4513	1.0500	1.0419810	59.79322
## 2420	30.7150	32.1	42.184953	68.8656	1.0500	1.0422510	60.45863
## 2422	27.6290	30.0	37.992743	69.4269	1.0500	1.0422850	61.28309
## 2424	26.1694	27.9	36.075730	70.0750	1.0500	1.0426540	62.18496
## 2426	24.7098	26.0	34.158717	70.7006	1.0500	1.0424800	63.23456
## 2428	23.2786	24.3	32.310930	71.2604	1.0500	1.0429360	64.21723
## 2430	21.8758	22.9	30.532371	71.7769	1.0500	1.0432550	65.05267
## 2432	20.4730	21.5	28.753811	72.2639	1.0500	1.0432860	65.87811
## 2434	19.9010	20.3	27.963582	72.7055	1.0500	1.0437160	66.64789
## 2436	19.3290	19.1	27.173352	73.0970	1.0500	1.0431110	67.44319
## 2438	18.8160	18.0	26.454928	73.4548	1.0500	1.0430070	68.02422
## 2440	18.3620	16.9	25.808310	73.8097	1.0500	1.0431590	68.39871
## 2442	17.9080	15.9	25.161691	74.1820	1.0500	1.0433960	68.67238
## 2444	202.1438	NA	302.023770	37.3240	1.0500	1.0376510	57.50000
## 2446	197.2374	NA	294.762870	38.0220	1.0500	1.0249620	58.08383
## 2448	192.3310	NA	287.501970	38.7200	1.0500	1.0170810	58.38150
## 2450	187.4246	NA	280.241070	39.4180	1.0500	1.0101920	56.98324
## 2452	182.5182	NA	272.980170	40.1160	1.0500	1.0132710	55.67568
## 2454	177.3534	NA	265.332800	41.8395	1.0500	1.0171160	54.97382
## 2456	171.9302	NA	257.298960	42.6350	1.0500	1.0177860	52.76382
## 2458	166.5070	NA	249.265110	43.4343	1.0500	1.0178560	52.19512
## 2460	161.3466	NA	241.505880	44.2712	1.0500	1.0194300	52.80374
## 2462	156.1862	NA	233.746640	45.1682	1.0500	1.0205250	52.46637
## 2464	150.7354	221.8	225.451790	46.0934	1.0500	1.0209770	52.36052
## 2466	144.9942	212.4	216.621350	46.9915	1.0500	1.0205070	51.44033
## 2468	139.2530	202.7	207.790900	47.8757	1.0500	1.0202840	51.95312
## 2470	134.2390	192.3	199.527650	48.8453	1.0500	1.0211980	51.81159
## 2472	129.2250	181.1	191.264400	49.9741	1.0500	1.0227140	51.00671
## 2474	123.1704	169.4	181.341770	51.2443	1.0500	1.0248190	50.62893
## 2476	116.0752	157.9	169.759760	52.5574	1.0500	1.0268170	51.18343
## 2478	108.9800	147.2	158.177750	53.8192	1.0500	1.0287790	50.83799
## 2480	102.7656	137.6	148.274660	55.0094	1.0500	1.0306850	50.13193
## 2482	96.5512	129.1	138.371570	56.1305	1.0500	1.0320250	49.87593
## 2484	90.9554	121.2	129.493680	57.1452	1.0500	1.0334620	50.46729
## 2486	85.9782	113.6	121.640990	58.0135	1.0500	1.0346110	51.10132
## 2488	81.0010	107.8	113.788310	58.6972	1.0500	1.0354760	51.45833
## 2490	78.2150	104.0	109.422760	59.1356	1.0500	1.0364160	52.07101
## 2492	75.4290	101.8	105.057210	59.3657	1.0500	1.0368390	52.43446
## 2494	73.7418	100.8	102.407830	59.5101	1.0500	1.0370430	53.55872
## 2496	73.1534	100.4	101.474630	59.7208	1.0500	1.0366290	54.06780
## 2498	72.5650	97.8	100.541440	60.1098	1.0500	1.0364570	54.92730
## 2500	70.2058	93.5	96.857096	60.7123	1.0500	1.0367730	55.16179
## 2502	67.8466	88.5	93.172755	61.4442	1.0500	1.0374060	55.71848
## 2504	64.9508	83.3	88.630120	62.2128	1.0500	1.0382410	56.00559
## 2506	61.5184	78.3	83.229193	62.9322	1.0500	1.0385420	56.38298

## 2508	58.0860	73.5	77.828265	63.5540	1.0500	1.0385070	57.03422
## 2510	173.8400	NA	292.657550	37.8606	1.0300	0.9799566	52.53842
## 2512	170.2180	NA	286.702550	38.4578	1.0300	0.9929642	52.85847
## 2514	166.5960	NA	280.747550	39.0550	1.0300	1.0000480	53.31065
## 2516	162.9740	NA	274.792560	39.6522	1.0300	1.0045280	53.32957
## 2518	159.3520	NA	268.837560	40.2494	1.0300	1.0024740	53.53372
## 2520	156.2704	NA	263.752720	41.2335	1.0300	1.0003700	53.60660
## 2522	153.7292	NA	259.538040	41.6780	1.0300	1.0014010	53.62372
## 2524	151.1880	NA	255.323370	42.1805	1.0300	1.0034640	53.76511
## 2526	148.0968	NA	250.149500	42.7920	1.0300	1.0049500	53.43345
## 2528	145.0056	251.7	244.975640	43.4890	1.0300	1.0048250	53.27612
## 2530	141.5078	244.8	239.096470	44.1769	1.0300	1.0056460	53.03215
## 2532	137.6034	237.7	232.511990	44.7374	1.0300	1.0064600	52.82836
## 2534	133.6990	230.3	225.927510	45.1569	1.0300	1.0072140	52.80531
## 2536	131.8710	222.7	222.834900	45.5454	1.0300	1.0079080	52.52650
## 2538	130.0430	215.4	219.742300	46.0249	1.0300	1.0079570	52.48860
## 2540	127.5982	208.8	215.450680	46.5929	1.0300	1.0084950	52.33835
## 2542	124.5366	202.8	209.960060	47.1523	1.0300	1.0091300	52.13020
## 2544	121.4750	197.7	204.469430	47.6528	1.0300	1.0097630	52.04095
## 2546	119.2874	193.0	200.367630	48.1701	1.0300	1.0104650	51.68816
## 2548	117.0998	188.5	196.265820	48.7370	1.0300	1.0105650	51.51201
## 2550	114.7486	184.3	191.825380	49.1749	1.0300	1.0111690	51.18425
## 2552	112.2338	180.3	187.046320	49.2534	1.0300	1.0119690	50.83556
## 2554	109.7190	176.4	182.267250	49.0659	1.0300	1.0122870	50.72776
## 2556	110.9826	171.5	184.678850	49.0245	1.0300	1.0122560	50.45110
## 2558	112.2462	164.9	187.090440	49.5174	1.0300	1.0114210	50.47662
## 2560	110.2096	156.8	183.251510	50.6293	1.0300	1.0115470	50.43176
## 2562	104.8728	147.8	173.162050	52.1068	1.0300	1.0129750	50.38592
## 2564	99.5360	138.4	163.072600	53.6383	1.0300	1.0147040	50.47067
## 2566	93.2648	128.9	151.560460	55.0644	1.0300	1.0165470	50.39525
## 2568	86.9936	120.1	140.048320	56.3371	1.0300	1.0171950	50.52079
## 2570	81.7206	112.2	130.455890	57.3986	1.0300	1.0181070	50.62494
## 2572	77.4458	104.8	122.783170	58.2719	1.0300	1.0190140	50.74911
## 2574	73.1710	98.3	115.110460	59.0239	1.0300	1.0196350	51.04249
## 2576	157.5240	NA	266.878300	40.2168	1.0300	0.9945197	56.43204
## 2578	149.7900	NA	253.534140	41.6884	1.0300	1.0079460	55.99534
## 2580	142.0560	NA	240.189970	43.1600	1.0300	1.0144290	55.72859
## 2582	134.3220	NA	226.845810	44.6316	1.0300	1.0187410	55.52017
## 2584	126.5880	188.3	213.501640	46.1032	1.0300	1.0151060	55.06073
## 2586	119.5656	180.2	200.869310	49.2300	1.0300	1.0115800	54.51923
## 2588	113.2548	172.3	188.948800	50.4189	1.0300	1.0125390	54.05652
## 2590	106.9440	163.9	177.028300	51.4414	1.0300	1.0143430	53.71330
## 2592	102.8060	155.0	169.256140	52.2982	1.0300	1.0150960	53.26797
## 2594	98.6680	147.0	161.483990	53.0292	1.0300	1.0140940	52.81419
## 2596	95.2686	139.5	155.067190	53.6725	1.0300	1.0144160	52.50545
## 2598	92.6078	132.2	150.005750	54.2554	1.0300	1.0152020	52.11749
## 2600	89.9470	126.3	144.944320	54.8029	1.0300	1.0162670	51.86375
## 2602	87.5774	120.5	140.759480	55.3489	1.0300	1.0173610	51.48395
## 2604	85.2078	114.7	136.574640	55.8649	1.0300	1.0184190	51.31429
## 2606	82.9990	109.1	132.594260	56.2828	1.0300	1.0196230	51.21294
## 2608	80.9510	103.2	128.818330	56.5184	1.0300	1.0200590	51.37195
## 2610	78.9030	97.5	125.042410	56.4879	1.0300	1.0198060	51.63148
## 2612	78.1390	93.7	123.303760	56.1267	1.0300	1.0193750	51.86194
## 2614	77.3750	92.8	121.565110	55.4639	1.0300	1.0181430	52.34610

## 2616	77.3982	95.2	121.264660	54.5224	1.0300	1.0168230	52.79478
## 2618	78.2086	100.2	122.402400	53.3627	1.0300	1.0157550	53.35141
## 2620	79.0190	107.7	123.540150	52.1889	1.0300	1.0153670	53.95075
## 2622	81.2378	116.0	127.483870	51.2022	1.0300	1.0155130	54.27975
## 2624	83.4566	121.4	131.427590	50.6283	1.0300	1.0154330	54.48549
## 2626	83.8764	119.7	132.242220	50.7732	1.0300	1.0155730	54.63399
## 2628	82.4972	109.8	129.927770	51.7942	1.0300	1.0150860	54.50180
## 2630	81.1180	95.3	127.613320	53.5615	1.0300	1.0148600	54.43905
## 2632	73.0516	79.9	113.515800	55.8013	1.0300	1.0153350	54.27879
## 2634	64.9852	66.1	99.418275	58.0936	1.0300	1.0158530	54.26474
## 2636	58.0650	56.1	87.343978	60.0852	1.0300	1.0170820	54.05794
## 2638	52.2910	49.6	77.292910	61.6664	1.0300	1.0180660	53.87941
## 2640	46.5170	45.0	67.241842	62.8677	1.0300	1.0186450	53.67965
## 2642	111.7280	NA	169.916580	53.7914	1.0500	1.0452440	53.34686
## 2644	107.4960	NA	161.683750	54.8942	1.0500	1.0355880	53.62595
## 2646	103.2640	NA	153.450930	55.9970	1.0500	1.0314850	53.08311
## 2648	99.0320	NA	145.218110	57.0998	1.0500	1.0282650	52.71059
## 2650	94.8000	NA	136.985290	58.2026	1.0500	1.0316410	52.41058
## 2652	90.5670	NA	128.764020	61.2886	1.0500	1.0351230	51.88133
## 2654	86.3330	NA	120.554290	62.6498	1.0500	1.0353710	52.12121
## 2656	82.0990	88.8	112.344570	63.8689	1.0500	1.0338420	52.32704
## 2658	77.1486	82.3	104.358450	64.9460	1.0500	1.0316070	52.44838
## 2660	72.1982	78.8	96.372341	65.9595	1.0500	1.0294900	52.47360
## 2662	67.0382	71.8	88.273625	66.9717	1.0500	1.0272380	53.37197
## 2664	61.6686	57.8	80.062306	68.0175	1.0500	1.0258090	54.65932
## 2666	56.2990	46.3	71.850986	69.1194	1.0500	1.0267640	56.10105
## 2668	47.8334	34.0	60.390333	70.3060	1.0500	1.0327900	57.38225
## 2670	39.3678	25.6	48.929679	71.5322	1.0500	1.0387970	58.48732
## 2672	32.6376	23.1	39.945591	72.6979	1.0500	1.0434410	59.29095
## 2674	27.6428	22.8	33.438070	73.6971	1.0500	1.0441780	60.07722
## 2676	22.6480	21.6	26.930548	74.4734	1.0500	1.0437530	60.32967
## 2678	20.5368	19.3	24.374324	75.0354	1.0500	1.0433570	60.41086
## 2680	18.4256	17.5	21.818100	75.4685	1.0500	1.0449310	60.15237
## 2682	16.8088	16.5	19.934957	75.8419	1.0500	1.0458970	60.26448
## 2684	15.6864	15.8	18.724896	76.1975	1.0500	1.0461600	60.61060
## 2686	14.5640	15.2	17.514834	76.5586	1.0500	1.0459640	61.17915
## 2688	13.6844	14.8	16.566830	76.9224	1.0500	1.0460550	61.98751
## 2690	12.8048	13.8	15.618825	77.2644	1.0500	1.0463350	63.00338
## 2692	12.0706	12.2	14.806267	77.5709	1.0500	1.0465740	63.97298
## 2694	11.4818	11.0	14.129155	77.8405	1.0500	1.0468400	65.09937
## 2696	10.8930	10.4	13.452043	78.0867	1.0500	1.0472500	66.10169
## 2698	10.5450	10.3	12.983988	78.3303	1.0500	1.0475490	67.01762
## 2700	10.1970	10.2	12.515932	78.5926	1.0500	1.0476850	67.60971
## 2702	9.8852	10.1	12.098807	78.8902	1.0500	1.0478410	68.18083
## 2704	9.6096	10.0	11.732611	79.2252	1.0500	1.0479700	68.53622
## 2706	9.3340	9.7	11.366416	79.5865	1.0500	1.0480730	68.76040
## 2708	292.6448	NA	427.824680	29.7814	1.0300	1.0342390	54.73450
## 2710	280.2204	NA	410.766540	30.9622	1.0300	1.0092500	55.48091
## 2712	267.7960	NA	393.708410	32.1430	1.0300	0.9992270	56.02551
## 2714	255.3716	335.5	376.650270	33.3238	1.0300	0.9921809	56.04186
## 2716	242.9472	319.2	359.592140	34.5046	1.0300	1.0009580	55.99881
## 2718	229.3996	303.4	340.619640	37.5631	1.0300	1.0077250	55.63576
## 2720	214.7288	288.6	319.732770	38.8802	1.0300	1.0061920	55.21851
## 2722	200.0580	274.6	298.845910	40.1244	1.0300	1.0030790	54.84712



## 2724	187.7668	261.2	280.764070	41.4370	1.0300	1.0013540	54.14942
## 2726	175.4756	248.1	262.682240	42.9321	1.0300	1.0039850	53.61277
## 2728	164.2738	234.4	245.979360	44.5798	1.0300	1.0036050	53.07089
## 2730	154.1614	218.6	230.655430	46.2312	1.0300	1.0010490	52.70674
## 2732	144.0490	201.1	215.331490	47.7422	1.0300	1.0000760	52.61883
## 2734	136.3278	184.5	202.758650	49.0617	1.0300	1.0000940	52.16250
## 2736	128.6066	171.4	190.185810	50.2040	1.0300	1.0026500	51.99697
## 2738	122.2982	162.8	179.889480	51.1745	1.0300	1.0046190	51.87160
## 2740	117.4026	157.3	171.869670	51.9884	1.0300	1.0052740	51.88106
## 2742	112.5070	154.2	163.849850	52.5941	1.0300	1.0046080	52.13625
## 2744	110.1230	152.8	160.011340	52.9042	1.0300	1.0049520	52.13894
## 2746	107.7390	152.5	156.172830	52.8274	1.0300	1.0054300	52.37122
## 2748	105.8762	152.7	153.181510	52.2327	1.0300	1.0057850	52.63868
## 2750	104.5346	152.8	151.037390	51.0675	1.0300	1.0060580	53.02963
## 2752	103.1930	152.7	148.893260	49.5607	1.0300	1.0063190	53.49903
## 2754	101.5898	151.3	146.332080	48.0751	1.0300	1.0079740	53.49111
## 2756	99.9866	147.9	143.770900	46.9926	1.0300	1.0076300	53.61259
## 2758	97.6670	142.8	140.166690	46.6076	1.0300	1.0075800	53.49816
## 2760	94.6310	136.3	135.519440	46.9330	1.0300	1.0079990	53.19575
## 2762	91.5950	128.8	130.872190	47.7519	1.0300	1.0082190	53.04693
## 2764	88.7898	121.1	126.467510	48.7788	1.0300	1.0094340	53.04846
## 2766	85.9846	112.7	122.062840	49.7405	1.0300	1.0094520	53.22835
## 2768	81.9904	105.9	116.008430	50.5172	1.0300	1.0094820	53.54785
## 2770	76.8072	99.0	108.304280	51.2085	1.0300	1.0105380	53.99806
## 2772	71.6240	92.6	100.600140	51.9198	1.0300	1.0120620	54.49540
## 2774	115.3460	NA	125.548430	59.3670	1.0590	1.0314000	65.38857
## 2776	105.4380	NA	114.924220	60.3170	1.0590	1.0480640	65.90048
## 2778	95.5300	NA	104.300020	61.2670	1.0590	1.0546320	65.96378
## 2780	85.6220	NA	93.675820	62.2170	1.0590	1.0623860	65.86140
## 2782	75.7140	NA	83.051619	63.1670	1.0590	1.0575200	65.47333
## 2784	66.5512	NA	73.169093	65.0155	1.0590	1.0507420	65.59318
## 2786	58.1336	NA	64.028244	65.7879	1.0590	1.0516250	65.83314
## 2788	49.7160	NA	54.887394	66.5120	1.0590	1.0551140	66.36637
## 2790	43.8064	NA	48.441377	67.2087	1.0590	1.0565450	66.68954
## 2792	37.8968	NA	41.995360	67.8814	1.0590	1.0553500	67.24921
## 2794	33.0292	NA	36.688946	68.5016	1.0590	1.0541610	67.51521
## 2796	29.2036	NA	32.522135	69.0292	1.0590	1.0545070	67.28575
## 2798	25.3780	NA	28.355324	70.0020	1.0590	1.0547150	67.16285
## 2800	23.9848	NA	26.859621	70.7444	1.0590	1.0547210	67.13687
## 2802	22.5916	NA	25.363919	70.4273	1.0590	1.0543640	67.19843
## 2804	21.1650	21.9	23.846783	70.3444	1.0590	1.0542230	67.56815
## 2806	19.7050	20.0	22.308215	70.2749	1.0590	1.0551330	68.02998
## 2808	18.2450	18.0	20.769646	70.8861	1.0590	1.0571210	68.51145
## 2810	16.3522	15.8	18.648404	71.4702	1.0590	1.0578140	68.53720
## 2812	14.4594	13.8	16.527161	71.8446	1.0590	1.0577560	68.61925
## 2814	12.8530	12.1	14.746577	72.1854	1.0590	1.0576820	68.48739
## 2816	11.5330	10.9	13.306653	71.5224	1.0590	1.0582790	68.17795
## 2818	10.2130	10.0	11.866729	72.0844	1.0590	1.0576320	67.85792
## 2820	8.9702	9.3	10.411678	72.4951	1.0590	1.0560220	67.63019
## 2822	7.7274	8.6	8.956627	72.6420	1.0590	1.0548550	67.19767
## 2824	6.9882	8.0	8.102610	74.5129	1.0590	1.0546450	66.88592
## 2826	6.7526	7.4	7.849627	74.6139	1.0590	1.0557130	66.90205
## 2828	6.5170	6.8	7.596645	75.2446	1.0590	1.0575950	67.01690
## 2830	6.2094	6.2	7.284519	75.7056	1.0590	1.0586060	67.13335

## 2832	5.9018	5.6	6.972393	76.1683	1.0590	1.0581320	67.02079
## 2834	5.3880	5.1	6.450295	76.7756	1.0590	1.0577430	66.75965
## 2836	4.6680	4.7	5.718227	77.1268	1.0590	1.0574090	66.52622
## 2838	3.9480	4.3	4.986158	77.2756	1.0590	1.0576210	66.20283
## 2840	89.2166	NA	127.541350	57.0460	1.0570	1.0473130	59.29598
## 2842	84.9158	NA	120.120950	58.2240	1.0570	1.0378500	59.12119
## 2844	80.6150	NA	112.700560	59.4020	1.0570	1.0331160	59.44334
## 2846	76.3142	NA	105.280170	60.5800	1.0570	1.0301420	59.79305
## 2848	72.0134	NA	97.859779	61.7580	1.0570	1.0341080	60.35689
## 2850	67.7702	NA	90.549308	64.5164	1.0570	1.0394040	60.21948
## 2852	63.5846	47.0	83.348759	65.7680	1.0570	1.0396280	58.97873
## 2854	59.3990	45.0	76.148209	67.0316	1.0570	1.0398730	57.92254
## 2856	55.5002	44.6	69.184122	68.2479	1.0570	1.0414540	56.94579
## 2858	51.6014	45.0	62.220034	69.3658	1.0570	1.0447720	56.87259
## 2860	47.4146	39.9	55.737579	70.3783	1.0570	1.0469810	56.51635
## 2862	42.9398	32.2	49.736755	71.3210	1.0570	1.0464710	55.72145
## 2864	38.4650	29.4	43.735931	72.1976	1.0570	1.0460260	55.81691
## 2866	32.0130	24.5	37.086377	72.9663	1.0570	1.0472610	57.15175
## 2868	25.5610	20.9	30.436823	73.5845	1.0570	1.0513900	59.52746
## 2870	21.3972	19.8	25.979071	74.0364	1.0570	1.0541900	61.75637
## 2872	19.5216	19.5	23.713122	74.3394	1.0570	1.0510430	63.42932
## 2874	17.6460	18.5	21.447173	74.5289	1.0570	1.0488080	64.97074
## 2876	15.7896	16.3	19.608751	74.6077	1.0570	1.0490670	66.28043
## 2878	13.9332	14.2	17.770329	74.6231	1.0570	1.0535870	67.62350
## 2880	12.3920	12.4	16.272046	74.7006	1.0570	1.0571230	68.14815
## 2882	11.1660	11.1	15.113902	74.9589	1.0570	1.0584760	68.29675
## 2884	9.9400	10.8	13.955758	75.4090	1.0570	1.0573320	68.21933
## 2886	9.1592	10.0	12.541453	75.9420	1.0570	1.0518850	68.30000
## 2888	8.3784	8.8	11.127147	76.4259	1.0570	1.0502600	68.20684
## 2890	7.6168	8.0	9.884424	76.8652	1.0570	1.0491890	68.46023
## 2892	6.8744	7.4	8.813285	77.3640	1.0570	1.0532280	69.04146
## 2894	6.1320	6.8	7.742145	77.9321	1.0570	1.0581020	69.54089
## 2896	5.9536	6.4	7.505117	78.4492	1.0570	1.0658040	69.83339
## 2898	5.7752	6.2	7.268090	78.8110	1.0570	1.0605010	69.86811
## 2900	5.6480	6.0	7.098945	79.0395	1.0570	1.0600230	69.89580
## 2902	5.5720	5.7	6.997683	79.2564	1.0570	1.0581390	69.88471
## 2904	5.4960	5.5	6.896422	79.5464	1.0570	1.0562880	69.71905
## 2906	79.7040	NA	106.026810	57.7010	1.0500	1.0390200	57.14764
## 2908	73.0080	NA	96.598613	59.1770	1.0500	1.0400780	56.24434
## 2910	66.3120	NA	87.170415	60.6530	1.0500	1.0382350	55.69716
## 2912	59.6160	NA	77.742216	62.1290	1.0500	1.0454590	54.72605
## 2914	52.9200	NA	68.314017	63.6050	1.0500	1.0447040	54.03762
## 2916	47.8494	NA	61.260035	64.7694	1.0500	1.0425040	53.82267
## 2918	44.4042	NA	56.580267	65.6222	1.0500	1.0391950	54.12829
## 2920	40.9590	NA	51.900500	66.4750	1.0500	1.0392550	54.45487
## 2922	38.2250	NA	48.288144	67.1506	1.0500	1.0353690	54.70664
## 2924	35.4910	NA	44.675788	67.8262	1.0500	1.0391790	54.77511
## 2926	32.7418	NA	40.993452	68.5136	1.0500	1.0431030	55.33280
## 2928	29.9774	NA	37.241136	69.2128	1.0500	1.0419240	56.57756
## 2930	27.2130	NA	33.488820	69.9120	1.0500	1.0411620	57.97362
## 2932	24.9570	NA	30.461667	70.8088	1.0500	1.0381950	60.15803
## 2934	22.7010	NA	27.434515	71.7056	1.0500	1.0452050	62.09122
## 2936	20.8042	NA	24.939396	72.4554	1.0500	1.0525520	63.71899
## 2938	19.2666	NA	22.976312	73.0582	1.0500	1.0491980	64.83915

## 2940	17.7290	NA	21.013228	73.6610	1.0500	1.0439450	65.75495
## 2942	17.3830	NA	20.510552	73.9710	1.0500	1.0365340	65.80481
## 2944	17.0370	NA	20.007877	74.2810	1.0500	1.0435660	65.47705
## 2946	16.4472	NA	19.299464	74.4574	1.0500	1.0483990	65.11714
## 2948	15.6136	NA	18.385314	74.5002	1.0500	1.0519010	64.83240
## 2950	14.7800	NA	17.471165	74.5430	1.0500	1.0568050	64.60253
## 2952	14.9448	NA	17.703268	74.5574	1.0500	1.0600150	64.66024
## 2954	15.1096	NA	17.935371	74.5718	1.0500	1.0628320	64.78870
## 2956	15.0912	NA	17.916977	74.6622	1.0500	1.0567290	65.45970
## 2958	14.8896	NA	17.648085	74.8286	1.0500	1.0486400	66.22009
## 2960	14.6880	NA	17.379192	74.9950	1.0500	1.0402870	66.78465
## 2962	14.0188	NA	16.588761	75.3634	1.0500	1.0317310	66.99394
## 2964	13.3496	NA	15.798330	76.1561	1.0500	1.0401490	67.11665
## 2966	12.4634	NA	14.760822	77.4732	1.0500	1.0493040	67.12599
## 2968	11.3602	NA	13.476235	77.1112	1.0500	1.0510120	66.78440
## 2970	10.2570	NA	12.191648	77.7740	1.0500	1.0510810	66.18258
## 2972	75.9768	NA	91.965112	65.1164	1.0700	1.0666320	60.40000
## 2974	70.4564	NA	85.193518	65.9212	1.0700	1.0613100	59.72763
## 2976	64.9360	NA	78.421925	66.7260	1.0700	1.0538230	58.86792
## 2978	59.4156	NA	71.650331	67.5308	1.0700	1.0433210	58.18182
## 2980	53.8952	NA	64.878738	68.3356	1.0700	1.0418310	57.67196
## 2982	48.9432	NA	58.823571	69.9278	1.0700	1.0367380	57.63889
## 2984	44.5596	NA	53.484830	70.5647	1.0700	1.0290860	57.61246
## 2986	40.1760	NA	48.146089	71.1651	1.0700	1.0283180	59.20826
## 2988	36.7072	NA	43.961642	71.7310	1.0700	1.0391660	58.95270
## 2990	33.2384	NA	39.777195	72.2660	1.0700	1.0618750	58.74587
## 2992	30.1394	NA	36.043107	72.7730	1.0700	1.0727990	59.67742
## 2994	27.4102	NA	32.759377	73.2545	1.0700	1.0724430	61.57480
## 2996	24.6810	NA	29.475648	73.7104	1.0700	1.0683380	62.55778
## 2998	22.5270	NA	26.891764	74.1449	1.0700	1.0675130	63.51351
## 3000	20.3730	22.5	24.307880	74.5578	1.0700	1.0655320	65.14706
## 3002	18.4550	19.2	22.007263	74.9513	1.0700	1.0680950	65.31205
## 3004	16.7730	16.1	19.989913	75.3252	1.0700	1.0733360	65.99424
## 3006	15.0910	13.5	17.972563	75.6827	1.0700	1.0783030	65.00711
## 3008	13.7690	11.9	16.393577	76.0251	1.0700	1.0783810	64.86860
## 3010	12.4470	11.3	14.814591	76.3540	1.0700	1.0778260	64.84687
## 3012	11.2658	10.8	13.406190	76.6714	1.0700	1.0706170	64.62324
## 3014	10.2254	10.1	12.168372	76.9783	1.0700	1.0644360	65.20147
## 3016	9.1850	9.0	10.930554	77.2747	1.0700	1.0600480	65.18692
## 3018	8.3734	8.0	9.965661	77.5610	1.0700	1.0568790	65.88103
## 3020	7.5618	7.0	9.000767	77.8378	1.0700	1.0559410	67.13514
## 3022	6.8422	6.1	8.144156	78.1006	1.0700	1.0597450	67.77547
## 3024	6.2146	5.4	7.395827	78.3459	1.0700	1.0661390	68.56857
## 3026	5.5870	4.8	6.647498	78.5896	1.0700	1.0661550	69.28295
## 3028	5.0934	4.3	6.059958	78.8685	1.0700	1.0666580	69.89652
## 3030	4.5998	3.8	5.472417	79.1995	1.0700	1.0662070	70.21082
## 3032	4.3222	3.4	5.140030	79.5715	1.0700	1.0587730	70.51971
## 3034	4.2606	3.0	5.062797	79.9498	1.0700	1.0595620	70.75306
## 3036	4.1990	2.7	4.985564	80.3071	1.0700	1.0629030	70.55794
## 3038	57.3344	NA	67.327145	63.9538	1.0580	1.0425900	66.78512
## 3040	49.7872	NA	58.614706	65.1694	1.0580	1.0454380	65.70652
## 3042	42.2400	NA	49.902267	66.3850	1.0580	1.0474000	64.98450
## 3044	34.6928	NA	41.189828	67.6006	1.0580	1.0497960	64.67541
## 3046	27.1456	NA	32.477389	68.8162	1.0580	1.0505400	64.78607

## 3048	22.7840	NA	27.358877	70.5127	1.0580	1.0515560	65.17087
## 3050	21.6080	NA	25.834294	70.3044	1.0580	1.0525550	65.69726
## 3052	20.4320	NA	24.309711	70.1632	1.0580	1.0512940	66.28915
## 3054	20.9032	NA	24.584710	70.2641	1.0580	1.0511920	66.51035
## 3056	21.3744	NA	24.859710	69.3671	1.0580	1.0502200	66.71089
## 3058	21.3210	NA	24.581362	69.6771	1.0580	1.0500780	66.50407
## 3060	20.7430	NA	23.749668	70.0227	1.0580	1.0502400	65.78100
## 3062	20.1650	NA	22.917973	70.4146	1.0580	1.0513210	64.94681
## 3064	19.0762	NA	21.627777	70.5734	1.0580	1.0514220	63.79429
## 3066	17.9874	NA	20.337581	70.7495	1.0580	1.0517440	63.08842
## 3068	16.8392	18.4	19.043475	70.7222	1.0580	1.0520640	63.13146
## 3070	15.6316	17.6	17.745460	70.5915	1.0580	1.0524050	63.98801
## 3072	14.4240	17.0	16.447445	71.0463	1.0580	1.0526890	64.80853
## 3074	13.1880	16.1	15.124009	71.4456	1.0580	1.0534640	65.23131
## 3076	11.9520	15.1	13.800573	71.6756	1.0580	1.0540600	65.42636
## 3078	10.8650	13.9	12.643746	71.8983	1.0580	1.0542150	66.00503
## 3080	9.9270	12.3	11.653526	72.7678	1.0580	1.0544950	67.09228
## 3082	8.9890	10.2	10.663306	73.0749	1.0580	1.0552190	68.16950
## 3084	7.5746	8.4	9.092773	73.8249	1.0580	1.0557380	68.86454
## 3086	6.1602	7.1	7.522239	74.6683	1.0580	1.0566720	69.45822
## 3088	5.1522	6.2	6.373982	75.1732	1.0580	1.0572660	70.22647
## 3090	4.5506	5.7	5.648002	75.1707	1.0580	1.0561210	70.84802
## 3092	3.9490	5.2	4.922021	75.9244	1.0580	1.0567160	71.27358
## 3094	3.5986	4.7	4.481115	76.7244	1.0580	1.0552420	71.12294
## 3096	3.2482	4.3	4.040209	77.0780	1.0580	1.0554090	70.73614
## 3098	2.9632	3.9	3.681789	77.8732	1.0580	1.0563050	69.74559
## 3100	2.7436	3.7	3.405853	78.1756	1.0580	1.0570180	68.35767
## 3102	2.5240	3.4	3.129918	79.4732	1.0580	1.0570270	66.87850
## 3104	31.3428	33.4	37.266126	70.0130	1.0674	1.0563690	64.36862
## 3106	29.5364	31.6	34.971222	70.4730	1.0662	1.0657440	64.05572
## 3108	27.7300	29.3	32.676317	70.9330	1.0650	1.0659170	63.69369
## 3110	25.9236	27.1	30.381413	71.3930	1.0638	1.0685100	63.71524
## 3112	24.1172	25.5	28.086508	71.8530	1.0626	1.0612590	64.00000
## 3114	22.6082	24.5	26.266826	72.4383	1.0606	1.0520410	64.28262
## 3116	21.3966	23.0	24.922367	72.4005	1.0578	1.0458240	64.59667
## 3118	20.1850	21.1	23.577907	72.3707	1.0550	1.0457600	64.78992
## 3120	18.4278	19.1	21.646948	72.9222	1.0578	1.0495530	64.69371
## 3122	16.6706	17.4	19.715989	73.2210	1.0606	1.0596270	64.46214
## 3124	15.0462	15.8	17.892707	73.4146	1.0608	1.0659920	64.31452
## 3126	13.5546	13.9	16.177102	73.6822	1.0584	1.0574570	64.06780
## 3128	12.0630	12.3	14.461497	74.0751	1.0560	1.0469170	63.99921
## 3130	10.8126	11.1	13.085071	74.6324	1.0568	1.0402850	64.10911
## 3132	9.5622	10.3	11.708645	74.2193	1.0576	1.0490570	64.43923
## 3134	8.7132	9.7	10.733121	74.2305	1.0564	1.0544770	65.05366
## 3136	8.2656	9.6	10.158501	74.4205	1.0532	1.0449700	65.79410
## 3138	7.8180	9.7	9.583881	74.4276	1.0500	1.0370070	66.51672
## 3140	7.9048	9.7	9.657419	74.6912	1.0540	1.0371340	66.98593
## 3142	7.9916	9.3	9.730957	74.7998	1.0580	1.0553880	67.19298
## 3144	7.6752	8.4	9.336744	75.1578	1.0590	1.0662500	67.36515
## 3146	6.9556	7.4	8.474781	75.1168	1.0570	1.0597010	67.44365
## 3148	6.2360	6.5	7.612818	75.2127	1.0550	1.0518570	67.36098
## 3150	5.7128	6.0	6.981722	75.9451	1.0554	1.0474560	67.07733
## 3152	5.1896	5.7	6.350625	76.3415	1.0558	1.0542490	66.74187
## 3154	4.8514	5.5	5.928108	76.7927	1.0552	1.0567680	66.53595

## 3156	4.6982	5.3	5.714172	77.1439	1.0536	1.0501040	66.33847
## 3158	4.5450	4.9	5.500236	77.8439	1.0520	1.0444020	66.12516
## 3160	4.2210	4.5	5.062111	78.1951	1.0532	1.0438830	65.86793
## 3162	3.8970	4.2	4.623985	78.5976	1.0544	1.0514860	65.51412
## 3164	3.6898	3.9	4.342674	79.8000	1.0552	1.0587330	65.12462
## 3166	3.5994	3.7	4.218176	80.3000	1.0556	1.0572640	64.70484
## 3168	3.5090	3.5	4.093677	81.1000	1.0560	1.0537380	64.12066
## 3170	163.0196	NA	275.070600	39.5092	1.0390	1.0111390	52.27778
## 3172	158.6528	NA	267.774470	40.2736	1.0390	1.0124820	54.56212
## 3174	154.2860	NA	260.478340	41.0380	1.0390	1.0133140	54.41000
## 3176	149.9192	NA	253.182210	41.8024	1.0390	1.0140870	52.92838
## 3178	145.5524	NA	245.886070	42.5668	1.0390	1.0141500	54.09250
## 3180	140.9544	NA	238.162440	44.4513	1.0390	1.0143460	53.27865
## 3182	136.1252	NA	230.011290	45.2910	1.0390	1.0146200	55.06139
## 3184	131.2960	NA	221.860150	46.1471	1.0390	1.0150090	53.79217
## 3186	126.8720	NA	213.961800	47.1817	1.0390	1.0169800	51.98855
## 3188	122.4480	NA	206.063460	48.4529	1.0390	1.0179580	53.60400
## 3190	116.9918	NA	195.893270	49.8018	1.0390	1.0166850	51.90296
## 3192	110.5034	NA	183.451240	50.9549	1.0390	1.0149810	51.33613
## 3194	104.0150	NA	171.009200	51.8036	1.0390	1.0208040	52.05491
## 3196	100.9606	169.4	165.482120	52.4869	1.0390	1.0210560	51.36390
## 3198	97.9062	160.1	159.955030	53.2174	1.0390	1.0219030	50.62619
## 3200	94.5788	151.7	153.847080	54.0289	1.0390	1.0269040	51.12587
## 3202	90.9784	143.3	147.158270	54.8110	1.0390	1.0269760	52.19491
## 3204	87.3780	135.3	140.469450	55.4727	1.0390	1.0241790	52.89102
## 3206	84.9248	128.3	136.063320	56.0167	1.0390	1.0233140	52.72433
## 3208	82.4716	122.0	131.657190	56.4736	1.0390	1.0250100	52.39589
## 3210	80.2214	117.0	127.551170	56.8161	1.0390	1.0263810	52.01506
## 3212	78.1742	113.2	123.745270	57.0036	1.0390	1.0274950	53.27731
## 3214	76.1270	110.2	119.939380	57.0534	1.0390	1.0281770	53.71710
## 3216	74.3846	106.8	116.773260	57.0112	1.0390	1.0286000	54.47930
## 3218	72.6422	102.9	113.607150	56.9815	1.0390	1.0278400	54.99437
## 3220	71.0410	98.4	110.724330	57.0882	1.0390	1.0277170	55.88924
## 3222	69.5810	93.5	108.124810	57.4112	1.0390	1.0281940	57.67302
## 3224	68.1210	88.5	105.525290	57.9843	1.0390	1.0286840	59.25668
## 3226	66.2454	83.5	102.312180	58.8293	1.0390	1.0291740	60.39637
## 3228	64.3698	78.5	99.099067	59.8428	1.0390	1.0285920	61.50805
## 3230	61.8046	73.9	94.677335	60.8506	1.0390	1.0283800	62.21485
## 3232	58.5498	69.5	89.046983	61.6865	1.0390	1.0282320	62.93773
## 3234	55.2950	65.3	83.416631	62.2857	1.0390	1.0280980	63.11824
## 3236	164.7896	155.5	278.900220	42.7942	1.0500	1.0276040	51.68171
## 3238	158.9848	154.5	265.468710	44.3726	1.0500	1.0301620	51.48020
## 3240	153.1800	153.3	252.037200	45.9510	1.0500	1.0306590	51.11511
## 3242	147.3752	151.6	238.605690	47.5294	1.0500	1.0316690	50.30242
## 3244	141.5704	149.3	225.174180	49.1078	1.0500	1.0306540	49.48195
## 3246	135.7204	145.9	212.326680	52.5782	1.0500	1.0289650	48.94304
## 3248	129.8252	141.3	200.063200	54.0068	1.0500	1.0292860	48.52982
## 3250	123.9300	135.8	187.799720	55.3788	1.0500	1.0302660	48.46610
## 3252	117.9472	130.1	176.693170	56.6951	1.0500	1.0288680	48.70303
## 3254	111.9644	124.5	165.586630	57.9465	1.0500	1.0304910	49.24589
## 3256	106.3644	118.5	154.021830	59.1049	1.0500	1.0296630	49.93523
## 3258	101.1472	111.7	141.998770	60.1433	1.0500	1.0302570	50.79755
## 3260	95.9300	104.5	129.975720	61.0622	1.0500	1.0316320	51.78641
## 3262	91.9516	97.4	119.636400	61.8789	1.0500	1.0307740	52.77162

## 3264	87.9732	90.7	109.297080	62.6473	1.0500	1.0330050	53.71741
## 3266	83.8272	84.3	100.497760	63.4394	1.0500	1.0323800	54.63571
## 3268	79.5136	78.3	93.238434	64.3081	1.0500	1.0334300	55.36605
## 3270	75.2000	72.7	85.979107	65.2725	1.0500	1.0350850	56.04192
## 3272	70.2836	67.5	80.122771	66.3389	1.0500	1.0332750	56.60015
## 3274	65.3672	62.6	74.266436	67.4327	1.0500	1.0354530	57.17734
## 3276	59.8540	57.9	68.007921	68.4222	1.0500	1.0347360	57.64401
## 3278	53.7440	53.4	61.347225	69.1906	1.0500	1.0359750	57.97425
## 3280	47.6340	49.2	54.686530	69.7205	1.0500	1.0376710	58.40618
## 3282	45.1100	45.5	51.386601	70.0917	1.0500	1.0371100	58.92442
## 3284	42.5860	42.5	48.086672	70.4421	1.0500	1.0380900	59.54443
## 3286	40.0458	40.1	44.826057	70.8389	1.0500	1.0375370	60.13568
## 3288	37.4894	38.3	41.604755	71.2668	1.0500	1.0382670	60.59322
## 3290	34.9330	36.8	38.383453	71.7004	1.0500	1.0393690	61.08465
## 3292	32.7866	35.5	36.153843	72.1313	1.0500	1.0402410	61.65176
## 3294	30.6402	34.3	33.924234	72.5483	1.0500	1.0406050	62.24406
## 3296	28.6694	33.3	31.871081	72.9453	1.0500	1.0409170	62.73063
## 3298	26.8742	32.2	29.994385	73.3199	1.0500	1.0414730	63.09084
## 3300	25.0790	30.9	28.117688	73.6767	1.0500	1.0420770	63.39286
## 3302	146.2236	NA	218.499570	46.3022	1.0500	1.0260030	54.53524
## 3304	142.1948	NA	212.111030	47.4766	1.0500	1.0247530	53.54478
## 3306	138.1660	207.8	205.722490	48.6510	1.0500	1.0247230	53.12105
## 3308	134.1372	195.8	199.333940	49.8254	1.0500	1.0248370	52.40488
## 3310	130.1084	184.5	192.945400	50.9998	1.0500	1.0260970	52.09323
## 3312	126.2852	174.1	186.770340	53.8203	1.0500	1.0274470	51.65705
## 3314	122.6676	164.3	180.808770	54.9102	1.0500	1.0279600	51.04966
## 3316	119.0500	155.6	174.847200	55.8208	1.0500	1.0283410	50.81905
## 3318	114.2320	148.2	167.211970	56.5998	1.0500	1.0289860	50.86238
## 3320	109.4140	141.4	159.576730	57.3638	1.0500	1.0298160	51.28814
## 3322	104.5902	134.3	151.882790	58.2044	1.0500	1.0307260	51.65626
## 3324	99.7606	126.0	144.130140	59.1554	1.0500	1.0312720	52.07987
## 3326	94.9310	116.6	136.377480	60.2129	1.0500	1.0314940	52.56906
## 3328	89.5438	107.2	127.876790	61.3466	1.0500	1.0321350	53.05126
## 3330	84.1566	98.3	119.376100	62.5069	1.0500	1.0321520	53.63438
## 3332	78.8214	89.5	110.885040	63.6840	1.0500	1.0326970	54.35659
## 3334	73.5382	80.7	102.403600	64.8963	1.0500	1.0334220	55.03660
## 3336	68.2550	72.7	93.922155	66.1275	1.0500	1.0340540	55.85894
## 3338	62.9722	65.7	85.012016	67.3340	1.0500	1.0353490	56.51305
## 3340	57.6894	59.7	76.101876	68.4683	1.0500	1.0358880	57.20585
## 3342	52.6622	54.1	68.251854	69.4933	1.0500	1.0367590	57.80518
## 3344	47.8906	48.8	61.461949	70.4088	1.0500	1.0376220	58.37823
## 3346	43.1190	43.9	54.672044	71.2268	1.0500	1.0380430	58.97727
## 3348	39.3902	39.6	50.266602	71.9643	1.0500	1.0387650	59.45493
## 3350	35.6614	35.9	45.861159	72.6352	1.0500	1.0390410	59.96451
## 3352	32.4558	33.1	41.892055	73.2304	1.0500	1.0396770	60.51505
## 3354	29.7734	30.9	38.359289	73.7278	1.0500	1.0408300	61.17089
## 3356	27.0910	29.1	34.826524	74.1380	1.0500	1.0422190	61.77199
## 3358	25.6038	27.5	32.407499	74.4950	1.0500	1.0440730	62.40056
## 3360	24.1166	26.0	29.988473	74.8446	1.0500	1.0453370	62.90926
## 3362	22.9104	24.5	28.107026	75.2264	1.0500	1.0465910	63.39197
## 3364	21.9852	23.0	26.763156	75.6485	1.0500	1.0473780	63.91674
## 3366	21.0600	21.6	25.419286	76.1029	1.0500	1.0474700	64.25917
## 3368	283.9578	NA	444.610450	36.9688	1.0600	1.0663160	58.04340
## 3370	266.3274	NA	415.885990	39.0524	1.0600	1.0851840	57.85209

## 3372	248.6970	360.5	387.161520	41.1360	1.0600	1.0924950	57.02570
## 3374	231.0666	341.3	358.437060	43.2196	1.0600	1.0894350	55.76923
## 3376	213.4362	322.2	329.712600	45.3032	1.0600	1.0826200	54.52751
## 3378	200.5098	302.9	307.837590	48.5816	1.0600	1.0734310	53.87990
## 3380	192.2874	283.5	292.812050	49.6020	1.0600	1.0719370	54.00539
## 3382	184.0650	266.9	277.786500	50.5204	1.0600	1.0720340	54.33874
## 3384	178.5082	254.8	267.031670	51.2682	1.0600	1.0705150	54.17796
## 3386	172.9514	246.4	256.276840	51.8418	1.0600	1.0675440	54.14243
## 3388	169.2248	239.4	248.258460	52.4552	1.0600	1.0644320	54.30668
## 3390	167.3284	229.7	242.976530	53.3831	1.0600	1.0626440	54.66300
## 3392	165.4320	214.7	237.694600	54.6930	1.0600	1.0614340	55.13010
## 3394	152.5256	196.2	218.077300	56.2006	1.0600	1.0596420	55.28147
## 3396	139.6192	177.0	198.460000	57.6414	1.0600	1.0587670	55.33765
## 3398	127.9054	158.1	180.725310	58.9804	1.0600	1.0577560	55.27144
## 3400	117.3842	138.5	164.873250	60.3580	1.0600	1.0563470	55.19046
## 3402	106.8630	118.8	149.021190	61.7890	1.0600	1.0555220	54.99858
## 3404	93.8370	102.5	130.275850	63.0898	1.0600	1.0546480	54.62787
## 3406	80.8110	90.6	111.530510	64.1208	1.0600	1.0549420	54.30991
## 3408	71.3492	81.7	97.796465	64.9553	1.0600	1.0559350	54.27457
## 3410	65.4516	73.3	89.073720	65.8100	1.0600	1.0560560	54.73980
## 3412	59.5540	64.6	80.350975	66.7607	1.0600	1.0553530	55.53545
## 3414	50.4052	56.5	67.696472	67.6641	1.0600	1.0551840	56.67207
## 3416	41.2564	49.5	55.041968	68.3451	1.0600	1.0554910	57.87999
## 3418	35.2162	43.8	46.621378	68.7864	1.0612	1.0569720	59.25718
## 3420	32.2846	39.2	42.434701	69.1094	1.0636	1.0600220	60.64666
## 3422	29.3530	35.6	38.248025	69.4297	1.0660	1.0626040	61.88786
## 3424	26.9974	32.7	34.960373	69.7823	1.0660	1.0641070	62.65108
## 3426	24.6418	30.2	31.672721	70.1501	1.0660	1.0630720	63.16149
## 3428	22.5550	27.9	28.859464	70.5333	1.0660	1.0626820	63.05199
## 3430	20.7370	25.8	26.520601	70.9258	1.0660	1.0638760	62.24119
## 3432	18.9190	24.0	24.181738	71.3169	1.0660	1.0640660	61.61975
## 3434	162.4988	NA	240.617880	41.1684	1.0500	1.0179600	53.22004
## 3436	156.3984	NA	235.153660	42.7132	1.0500	1.0185370	53.11828
## 3438	150.2980	208.3	229.689450	44.2580	1.0500	1.0205280	52.94360
## 3440	144.1976	199.5	224.225240	45.8028	1.0500	1.0191580	52.31373
## 3442	138.0972	191.0	218.761020	47.3476	1.0500	1.0206080	51.99107
## 3444	132.3560	183.3	213.046870	50.6123	1.0500	1.0216180	51.53007
## 3446	126.9740	176.0	207.082790	51.8231	1.0500	1.0221330	51.06101
## 3448	121.5920	169.5	201.118700	52.8650	1.0500	1.0231260	50.87555
## 3450	117.1900	163.5	192.685400	53.7844	1.0500	1.0256240	50.73877
## 3452	112.7880	158.0	184.252100	54.6229	1.0500	1.0259000	50.93759
## 3454	108.7822	152.1	176.527360	55.3317	1.0500	1.0261200	51.28818
## 3456	105.1726	145.5	169.511170	55.8274	1.0500	1.0268030	51.55342
## 3458	101.5630	137.4	162.494990	56.1141	1.0500	1.0261810	52.01350
## 3460	98.0330	127.8	156.343000	56.2368	1.0500	1.0273410	52.22915
## 3462	94.5030	116.7	150.191000	56.3727	1.0500	1.0274840	52.55669
## 3464	90.1692	104.5	142.637410	56.7990	1.0500	1.0280690	52.96647
## 3466	85.0316	92.0	133.682210	57.7317	1.0500	1.0287670	53.36117
## 3468	79.8940	80.4	124.727020	59.1940	1.0500	1.0301470	53.81020
## 3470	72.1668	70.6	110.502200	61.0740	1.0500	1.0305450	54.61203
## 3472	64.4396	62.8	96.277390	63.0564	1.0500	1.0330900	55.36265
## 3474	56.6860	56.3	81.934254	64.8315	1.0500	1.0367280	56.16310
## 3476	48.9060	50.3	67.472798	66.2228	1.0500	1.0403950	56.93885
## 3478	41.1260	44.5	53.011342	67.2052	1.0500	1.0425370	57.55190

## 3480	36.3204	39.1	45.987107	67.8736	1.0500	1.0427890	57.93079
## 3482	31.5148	34.4	38.962871	68.4354	1.0500	1.0444450	58.22368
## 3484	28.0094	30.6	33.940337	69.0057	1.0500	1.0438550	58.57998
## 3486	25.8042	27.5	30.919504	69.5895	1.0500	1.0439850	59.04084
## 3488	23.5990	24.8	27.898671	70.1789	1.0500	1.0445670	59.68393
## 3490	22.4490	22.6	26.365911	70.7805	1.0500	1.0449090	60.59796
## 3492	21.2990	20.8	24.833151	71.3781	1.0500	1.0447420	61.61767
## 3494	19.9850	19.3	23.198988	71.9562	1.0500	1.0460790	62.69815
## 3496	18.5070	18.0	21.463421	72.4981	1.0500	1.0466870	63.86927
## 3498	17.0290	16.8	19.727854	73.0011	1.0500	1.0471580	64.80575
## 3500	204.6688	NA	341.830540	33.2798	1.0300	0.9831263	60.00000
## 3502	200.5244	NA	335.235920	33.8814	1.0300	0.9900995	58.97436
## 3504	196.3800	NA	328.641300	34.4830	1.0300	0.9909862	57.98319
## 3506	192.2356	NA	322.046680	35.0846	1.0300	0.9914159	58.02469
## 3508	188.0912	NA	315.452060	35.6862	1.0300	0.9917527	57.83133
## 3510	184.0368	NA	308.964060	37.0325	1.0300	0.9923652	57.64706
## 3512	180.0724	NA	302.582660	37.6318	1.0300	0.9937668	57.47126
## 3514	176.1080	NA	296.201260	38.2316	1.0300	0.9978103	56.66667
## 3516	172.3100	NA	290.030480	38.8321	1.0300	1.0010300	56.02837
## 3518	168.5120	NA	283.859700	39.4356	1.0300	1.0017910	56.84932
## 3520	164.7936	NA	277.716040	40.0137	1.0300	1.0023310	55.63380
## 3522	161.1548	NA	271.599500	40.5457	1.0300	1.0012720	52.67176
## 3524	157.5160	NA	265.482970	41.1171	1.0300	0.9993540	50.00000
## 3526	153.9164	NA	259.616770	41.9421	1.0300	0.9993555	49.32127
## 3528	150.3168	NA	253.750580	43.0995	1.0300	1.0009810	50.69767
## 3530	144.7174	NA	244.361360	44.4200	1.0300	1.0027850	53.87931
## 3532	137.1182	217.5	231.449100	45.5893	1.0300	1.0032930	57.87546
## 3534	129.5190	209.1	218.536850	46.4540	1.0300	1.0024570	59.87261
## 3536	126.0758	201.4	212.474770	47.1167	1.0300	1.0005500	59.01163
## 3538	122.6326	193.6	206.412680	47.8041	1.0300	1.0027210	58.46995
## 3540	118.8582	185.8	199.504020	48.6059	1.0300	1.0064890	56.66667
## 3542	114.7526	178.3	191.748780	49.4836	1.0300	1.0101610	54.89260
## 3544	110.6470	171.2	183.993530	50.3549	1.0300	1.0173960	54.24107
## 3546	106.1206	163.9	175.347150	51.1396	1.0300	1.0160200	53.44468
## 3548	101.5942	156.1	166.700760	51.8089	1.0300	1.0170630	52.52918
## 3550	97.4140	147.9	158.583810	52.3968	1.0300	1.0165370	53.00546
## 3552	93.5800	139.6	150.996310	52.9897	1.0300	1.0172170	54.34412
## 3554	89.7460	131.2	143.408800	53.6746	1.0300	1.0234100	55.27157
## 3556	86.0116	122.7	136.557430	54.5163	1.0300	1.0226370	55.85586
## 3558	82.2772	114.6	129.706050	55.4772	1.0300	1.0253040	56.57709
## 3560	78.3232	107.3	122.763900	56.4468	1.0300	1.0263480	56.85752
## 3562	74.1496	100.3	115.730990	57.2908	1.0300	1.0267310	57.34003
## 3564	69.9760	94.1	108.698080	57.9634	1.0300	1.0262570	57.98817
## 3566	213.6922	NA	356.264050	35.0352	1.0520	1.0331230	51.63511
## 3568	206.5526	NA	344.866420	35.4376	1.0520	1.0219120	51.82119
## 3570	199.4130	NA	333.468780	35.8400	1.0520	1.0158020	51.94599
## 3572	192.2734	NA	322.071150	36.2424	1.0520	1.0123410	51.93916
## 3574	185.1338	NA	310.673510	36.6448	1.0520	1.0164540	52.21818
## 3576	177.2734	NA	297.978220	37.5989	1.0520	1.0210070	52.56588
## 3578	168.6922	NA	283.985280	38.1231	1.0520	1.0212630	53.33774
## 3580	160.1110	NA	269.992340	38.7270	1.0520	1.0207000	53.68156
## 3582	155.2774	NA	261.963600	39.4134	1.0520	1.0219600	53.44105
## 3584	150.4438	NA	253.934870	40.1509	1.0520	1.0235420	53.26890
## 3586	146.4450	NA	244.737620	40.8912	1.0520	1.0231380	52.96656



## 3588	143.2810	NA	234.371880	41.5923	1.0520	1.0204120	52.83308
## 3590	140.1170	208.8	224.006140	42.2146	1.0520	1.0181940	52.75362
## 3592	136.9514	200.8	215.351500	42.7081	1.0520	1.0182110	52.55941
## 3594	133.7858	193.9	206.696860	43.1150	1.0520	1.0186700	52.28843
## 3596	130.0182	188.2	198.773410	43.5499	1.0520	1.0202720	52.15974
## 3598	125.6486	182.3	191.581160	44.1501	1.0520	1.0199430	51.94306
## 3600	121.2790	175.7	184.388900	45.0113	1.0520	1.0200700	51.90424
## 3602	117.4474	167.5	177.892840	46.1519	1.0520	1.0224100	51.49966
## 3604	113.6158	157.3	171.396770	47.4980	1.0520	1.0243320	51.27790
## 3606	108.2674	145.0	163.428130	49.0185	1.0520	1.0247620	50.69620
## 3608	101.4022	131.2	153.986900	50.6897	1.0520	1.0220110	49.65079
## 3610	94.5370	117.3	144.545680	52.4046	1.0520	1.0204950	48.70417
## 3612	85.1950	104.8	129.692440	54.0096	1.0520	1.0243150	49.83134
## 3614	75.8530	94.0	114.839200	55.4117	1.0520	1.0311360	51.25364
## 3616	68.8236	84.6	102.090790	56.5828	1.0520	1.0383060	52.80438
## 3618	64.1068	76.5	91.447210	57.6027	1.0520	1.0399600	54.58248
## 3620	59.3900	69.5	80.803634	58.5924	1.0520	1.0400810	55.92937
## 3622	56.3008	63.2	75.682030	59.6694	1.0520	1.0404130	55.76487
## 3624	53.2116	57.9	70.560426	60.8535	1.0520	1.0431800	55.50718
## 3626	50.3378	53.5	65.882931	62.0694	1.0520	1.0445520	55.13570
## 3628	47.6794	49.7	61.649544	63.1779	1.0520	1.0441570	54.77095
## 3630	45.0210	46.5	57.416157	64.1009	1.0520	1.0432820	54.57154
## 3632	112.7198	NA	151.775940	57.6664	1.0670	1.1275040	64.15094
## 3634	98.8054	NA	131.813500	59.7272	1.0670	1.0573100	65.17150
## 3636	84.8910	NA	111.851060	61.7880	1.0670	1.0220050	65.83261
## 3638	70.9766	NA	91.888618	63.8488	1.0670	0.9946370	66.46909
## 3640	57.0622	NA	71.926177	65.9096	1.0670	1.0379400	66.52824
## 3642	46.7680	NA	57.280288	68.3629	1.0672	1.0563270	66.17886
## 3644	40.0940	NA	47.950951	69.0541	1.0676	1.0606140	66.11111
## 3646	33.4200	NA	38.621614	69.5171	1.0680	1.0567690	66.20155
## 3648	29.4468	NA	34.402387	69.8021	1.0616	1.0575640	66.21212
## 3650	25.4736	NA	30.183159	69.9276	1.0552	1.0456960	66.29547
## 3652	23.0172	NA	27.583760	69.9053	1.0532	1.0380800	66.05972
## 3654	22.0776	NA	26.604191	69.7251	1.0556	1.0442750	65.90422
## 3656	21.1380	NA	25.624621	69.4438	1.0580	1.0503060	65.96343
## 3658	21.4184	NA	25.923358	69.1514	1.0580	1.0528820	65.90437
## 3660	21.6988	NA	26.222096	68.9460	1.0580	1.0440780	65.84699
## 3662	21.5316	26.2	26.101422	68.9781	1.0568	1.0390930	65.97035
## 3664	20.9168	24.5	25.561337	69.3756	1.0544	1.0384080	66.17843
## 3666	20.3020	23.1	25.021252	69.3805	1.0520	1.0412930	66.62286
## 3668	19.4836	22.0	23.823161	70.6439	1.0544	1.0439980	66.17268
## 3670	18.6652	20.9	22.625070	70.0390	1.0568	1.0466010	66.17834
## 3672	17.8716	19.5	21.587408	69.3732	1.0582	1.0513290	66.02067
## 3674	17.1028	17.8	20.710175	67.9098	1.0586	1.0515020	65.65860
## 3676	16.3340	15.8	19.832943	67.5439	1.0590	1.0551740	65.87579
## 3678	14.5952	13.8	17.872216	69.8098	1.0618	1.0540880	66.45390
## 3680	12.8564	11.9	15.911488	70.0634	1.0646	1.0591990	67.09402
## 3682	11.0424	10.2	13.788309	70.2585	1.0642	1.0613290	67.52874
## 3684	9.1532	8.6	11.502679	71.3171	1.0606	1.0556980	67.88055
## 3686	7.2640	7.3	9.217049	72.5683	1.0570	1.0518760	67.99410
## 3688	6.2580	6.1	7.946728	72.8146	1.0598	1.0540570	67.80669
## 3690	5.2520	5.1	6.676407	74.8244	1.0626	1.0613950	67.81437
## 3692	4.4382	4.2	5.687502	76.2293	1.0616	1.0644050	66.86747
## 3694	3.8166	3.5	4.980013	77.1415	1.0568	1.0574670	66.16200

## 3696	3.1950	2.9	4.272524	77.1317	1.0520	1.0506300	64.93902
## 3698	213.6092	NA	356.185660	32.0040	1.0400	1.0212960	52.78064
## 3700	206.4716	NA	344.786570	33.0420	1.0400	1.0099120	52.96846
## 3702	199.3340	NA	333.387480	34.0800	1.0400	1.0042210	53.36876
## 3704	192.1964	NA	321.988380	35.1180	1.0400	1.0008710	53.36640
## 3706	185.0588	NA	310.589290	36.1560	1.0400	1.0049210	53.67464
## 3708	177.2004	NA	297.897630	39.0691	1.0400	1.0096920	53.81765
## 3710	168.6212	NA	283.913400	40.2778	1.0400	1.0099140	53.87428
## 3712	160.0420	NA	269.929170	41.2560	1.0400	1.0090850	54.00176
## 3714	155.2104	241.5	261.898740	42.0145	1.0400	1.0097750	53.61492
## 3716	150.3788	241.2	253.868320	42.6472	1.0400	1.0111930	53.41193
## 3718	146.4880	241.2	247.301140	43.1999	1.0400	1.0129740	53.04315
## 3720	143.5380	241.0	242.197210	43.6794	1.0400	1.0141580	52.55084
## 3722	140.5880	241.5	237.093280	44.0315	1.0400	1.0135740	52.34279
## 3724	138.9984	242.7	234.402020	44.0921	1.0400	1.0172580	52.13006
## 3726	137.4088	242.8	231.710750	43.8731	1.0400	1.0150640	51.91206
## 3728	137.3298	239.3	231.662040	43.6702	1.0400	1.0076140	51.38527
## 3730	138.7614	232.0	234.255880	43.8820	1.0400	1.0094750	50.97229
## 3732	140.1930	223.4	236.849730	44.6299	1.0400	1.0145010	50.86571
## 3734	134.4426	215.5	227.060480	45.6784	1.0400	1.0206810	50.58201
## 3736	128.6922	208.4	217.271240	46.6663	1.0400	1.0192630	50.54271
## 3738	123.4730	200.2	207.995260	47.5054	1.0400	1.0186960	50.38064
## 3740	118.7850	188.9	199.232550	48.3477	1.0400	1.0194310	50.22813
## 3742	114.0970	175.0	190.469830	49.3055	1.0400	1.0206370	50.29788
## 3744	107.1274	162.0	176.528180	50.3181	1.0400	1.0210700	50.18475
## 3746	100.1578	150.8	162.586520	51.3576	1.0400	1.0231690	50.28505
## 3748	92.9300	139.0	149.014340	52.5869	1.0400	1.0251170	50.34726
## 3750	85.4440	124.8	135.811620	54.2192	1.0400	1.0253110	50.45352
## 3752	77.9580	109.1	122.608900	56.2366	1.0400	1.0252260	50.72642
## 3754	70.7228	93.8	110.059380	58.4080	1.0400	1.0251430	51.13361
## 3756	63.4876	80.8	97.509863	60.4158	1.0400	1.0264590	51.81356
## 3758	57.0572	71.3	86.574461	62.0830	1.0400	1.0282880	52.77045
## 3760	51.4316	64.6	77.253177	63.4422	1.0400	1.0292680	53.88333
## 3762	45.8060	59.2	67.931892	64.5780	1.0400	1.0296980	55.07843
## 3764	69.4392	125.9	170.591550	50.1876	1.0600	1.0264210	49.66216
## 3766	66.8536	108.7	160.570820	51.1968	1.0600	1.0152500	50.31847
## 3768	64.2680	94.8	150.550090	52.2060	1.0600	1.0307430	49.85075
## 3770	61.6824	83.7	140.529360	53.2152	1.0600	1.0348450	49.29972
## 3772	59.0968	75.2	130.508630	54.2244	1.0600	1.0444220	49.86877
## 3774	56.6406	68.7	121.378950	56.3927	1.0600	1.0469030	48.77451
## 3776	54.3138	63.8	113.140320	57.2322	1.0600	1.0428310	49.77064
## 3778	51.9870	60.0	104.901690	58.0360	1.0600	1.0382670	51.50862
## 3780	49.8894	57.3	98.120801	58.8083	1.0600	1.0383610	51.74538
## 3782	47.7918	55.8	91.339911	59.5486	1.0600	1.0398360	53.04519
## 3784	45.7984	54.9	85.168067	60.2524	1.0600	1.0421630	54.69925
## 3786	43.9092	54.2	79.605269	60.9121	1.0600	1.0422250	55.59567
## 3788	42.0200	52.8	74.042471	61.5322	1.0600	1.0433700	57.53899
## 3790	40.5736	50.0	69.711569	62.1296	1.0600	1.0456480	57.26210
## 3792	39.1272	46.1	65.380668	62.7177	1.0600	1.0476870	58.19936
## 3794	37.3980	42.0	60.834339	63.2965	1.0600	1.0504080	58.21813
## 3796	35.3860	38.3	56.072584	63.8533	1.0600	1.0519480	58.24818
## 3798	33.3740	35.4	51.310828	64.3791	1.0600	1.0534930	58.14607
## 3800	31.6204	33.0	47.562816	64.8733	1.0600	1.0551100	58.31025
## 3802	29.8668	30.8	43.814804	65.3439	1.0600	1.0572120	58.34483

## 3804	28.2290	28.8	40.455773	65.7933	1.0600	1.0585210	58.69565
## 3806	26.7070	27.2	37.485725	66.2241	1.0600	1.0592560	59.60265
## 3808	25.1850	26.2	34.515677	66.6389	1.0600	1.0588850	60.38710
## 3810	23.8602	25.4	32.145874	67.0376	1.0600	1.0576250	60.78184
## 3812	22.5354	24.8	29.776072	67.4201	1.0600	1.0578430	61.21437
## 3814	21.2964	24.2	27.638475	67.7880	1.0600	1.0606940	62.40786
## 3816	20.1432	23.7	25.733086	68.1431	1.0600	1.0636310	64.01469
## 3818	18.9900	23.7	23.827696	68.4918	1.0600	1.0658300	65.20681
## 3820	18.5676	23.9	23.294465	68.8434	1.0600	1.0654010	65.50898
## 3822	18.1452	24.0	22.761234	69.2029	1.0600	1.0661610	65.84507
## 3824	17.5498	23.7	21.974912	69.5650	1.0600	1.0623040	65.97463
## 3826	16.7814	23.2	20.935498	69.9179	1.0600	1.0592400	65.56818
## 3828	16.0130	22.4	19.896084	70.2563	1.0600	1.0569590	65.28555
## 3830	39.4612	42.0	47.701371	64.5140	1.0500	1.0417220	63.10200
## 3832	36.2796	38.9	44.073598	65.2960	1.0500	1.0404130	62.92542
## 3834	33.0980	35.7	40.445825	66.0780	1.0500	1.0408080	62.40850
## 3836	29.9164	32.3	36.818051	66.8600	1.0500	1.0419970	62.18468
## 3838	26.7348	28.6	33.190278	67.6420	1.0500	1.0436050	62.04778
## 3840	23.9466	25.2	29.739869	68.8441	1.0496	1.0448430	62.49160
## 3842	21.5518	22.5	26.466825	69.0127	1.0488	1.0423610	63.68863
## 3844	19.1570	20.2	23.193780	68.9778	1.0480	1.0387060	64.75356
## 3846	17.3442	18.4	21.120055	69.6666	1.0476	1.0374640	65.46684
## 3848	15.5314	16.9	19.046329	69.5034	1.0472	1.0400100	65.94865
## 3850	14.0106	15.4	17.234278	70.0176	1.0480	1.0418800	66.52249
## 3852	12.7818	13.8	15.683902	71.2237	1.0500	1.0453440	66.93082
## 3854	11.5530	12.2	14.133526	71.6737	1.0520	1.0480860	67.33871
## 3856	10.3474	10.6	12.643168	72.3502	1.0512	1.0492340	67.50369
## 3858	9.1418	9.2	11.152811	73.1554	1.0504	1.0472130	67.60445
## 3860	8.1060	8.2	9.868748	73.7466	1.0496	1.0450540	67.69423
## 3862	7.2400	7.6	8.790981	74.2010	1.0488	1.0455770	68.04039
## 3864	6.3740	7.3	7.713214	74.2229	1.0480	1.0469050	68.10116
## 3866	6.2100	7.2	7.493178	74.5919	1.0476	1.0478960	67.93599
## 3868	6.0460	6.9	7.273142	74.7922	1.0472	1.0462700	67.45169
## 3870	5.7580	6.4	6.912926	75.2276	1.0456	1.0440940	67.17908
## 3872	5.3460	5.8	6.412530	75.7051	1.0428	1.0406050	66.85105
## 3874	4.9340	5.2	5.912134	76.4095	1.0400	1.0386610	66.77760
## 3876	4.4956	4.7	5.420336	76.8785	1.0420	1.0378100	66.78988
## 3878	4.0572	4.4	4.928539	77.2912	1.0440	1.0414390	66.92486
## 3880	3.7126	4.2	4.543018	77.9659	1.0460	1.0461130	66.98150
## 3882	3.4618	4.0	4.263775	78.3683	1.0480	1.0474820	66.83928
## 3884	3.2110	3.8	3.984532	78.8171	1.0500	1.0473130	66.66031
## 3886	3.0110	3.5	3.742758	79.2634	1.0476	1.0463090	66.59104
## 3888	2.8110	3.2	3.500985	79.7195	1.0452	1.0459920	66.62921
## 3890	2.6192	2.9	3.273392	80.4707	1.0446	1.0462960	65.95626
## 3892	2.4356	2.6	3.059979	80.9756	1.0458	1.0471170	64.64332
## 3894	2.2520	2.3	2.846567	81.3854	1.0470	1.0484450	63.18372
## 3896	55.2452	53.4	65.248324	65.3448	1.0520	1.0391090	65.51306
## 3898	50.4316	46.3	59.547363	66.2024	1.0520	1.0423800	65.09304
## 3900	45.6180	40.2	53.846402	67.0600	1.0520	1.0438510	64.10127
## 3902	40.8044	34.8	48.145441	67.9176	1.0520	1.0434240	63.29322
## 3904	35.9908	30.3	42.444480	68.7752	1.0520	1.0420980	62.33451
## 3906	31.9514	27.0	37.623248	70.1171	1.0520	1.0428270	61.95477
## 3908	28.6862	24.5	33.681746	70.5146	1.0520	1.0436730	62.16567
## 3910	25.4210	22.3	29.740244	70.8122	1.0520	1.0444020	62.48034

## 3912	23.5398	20.6	27.492833	71.1610	1.0520	1.0467670	62.43573
## 3914	21.6586	19.1	25.245422	71.4585	1.0520	1.0475980	62.41430
## 3916	19.8260	17.4	23.155701	71.9073	1.0520	1.0475630	62.45466
## 3918	18.0420	15.9	21.223670	72.3561	1.0520	1.0483070	62.51963
## 3920	16.2580	15.0	19.291638	72.8537	1.0520	1.0482180	62.78815
## 3922	14.4828	13.9	17.300301	73.3512	1.0520	1.0495740	62.99944
## 3924	12.7076	12.8	15.308964	73.8512	1.0520	1.0488620	63.57020
## 3926	11.3518	11.9	13.774612	74.3000	1.0520	1.0489500	64.48719
## 3928	10.4154	11.1	12.697245	74.8000	1.0520	1.0492660	65.54682
## 3930	9.4790	10.3	11.619877	75.3000	1.0520	1.0495810	66.34706
## 3932	8.8910	9.8	10.858383	75.8000	1.0520	1.0498980	66.36015
## 3934	8.3030	9.3	10.096889	76.3488	1.0520	1.0496980	66.21648
## 3936	7.7674	8.6	9.411348	76.8488	1.0520	1.0497730	65.99273
## 3938	7.2842	7.6	8.801760	77.3000	1.0520	1.0493300	65.69004
## 3940	6.8010	6.5	8.192172	77.7512	1.0520	1.0495820	65.43865
## 3942	5.9782	5.8	7.244041	78.3049	1.0520	1.0492270	65.25497
## 3944	5.1554	5.5	6.295911	78.7561	1.0520	1.0496410	65.12993
## 3946	4.6498	5.3	5.703715	79.1585	1.0520	1.0500040	65.03383
## 3948	4.4614	4.9	5.467455	79.1146	1.0520	1.0500840	64.94170
## 3950	4.2730	4.6	5.231194	80.1634	1.0520	1.0503550	64.91787
## 3952	4.0362	4.4	4.924653	81.1122	1.0520	1.0502960	64.87267
## 3954	3.7994	4.3	4.618112	81.4146	1.0520	1.0503070	64.73236
## 3956	3.6190	4.3	4.376611	82.1146	1.0520	1.0502740	64.20206
## 3958	3.4950	4.4	4.200148	82.2195	1.0520	1.0500670	63.30900
## 3960	3.3710	4.3	4.023685	82.6707	1.0520	1.0507990	62.39829
## 3962	153.4120	NA	169.219260	44.2062	1.0500	1.0274380	58.78710
## 3964	141.5100	NA	155.505110	46.5726	1.0500	1.0344100	56.75606
## 3966	129.6080	NA	141.790950	48.9390	1.0500	1.0337860	57.19275
## 3968	117.7060	NA	128.076800	51.3054	1.0500	1.0304580	56.20139
## 3970	105.8040	NA	114.362650	53.6718	1.0500	1.0267420	54.62237
## 3972	97.6908	NA	105.078060	56.7846	1.0500	1.0275380	54.47625
## 3974	93.3664	NA	100.223020	57.5461	1.0500	1.0397880	53.62299
## 3976	89.0420	NA	95.367994	58.3312	1.0500	1.0559750	50.77447
## 3978	85.2108	NA	91.082046	59.1568	1.0500	1.0670800	51.81300
## 3980	81.3796	NA	86.796097	59.9251	1.0500	1.0655290	51.32523
## 3982	77.8396	NA	82.848028	60.6130	1.0500	1.0871670	50.46609
## 3984	74.5908	NA	79.237838	61.2392	1.0500	1.0709260	54.24098
## 3986	71.3420	NA	75.627647	61.9104	1.0500	1.0473190	54.04615
## 3988	66.2488	NA	70.276535	62.8243	1.0500	1.0283760	56.28489
## 3990	61.1556	NA	64.925422	64.0325	1.0500	1.0446410	55.88844
## 3992	53.8372	NA	57.261201	65.3776	1.0500	1.0556730	57.80513
## 3994	44.2936	NA	47.283872	66.5726	1.0500	1.0549310	58.68976
## 3996	34.7500	NA	37.306543	67.4519	1.0500	1.0476760	60.08977
## 3998	28.7160	NA	30.994898	68.0499	1.0500	1.0427590	61.51243
## 4000	22.6820	NA	24.683254	68.5617	1.0500	1.0448510	61.73299
## 4002	19.3422	NA	21.156125	69.1208	1.0500	1.0529070	60.83911
## 4004	18.6966	NA	20.413511	69.7846	1.0500	1.0652380	61.13173
## 4006	18.0510	NA	19.670897	70.5442	1.0500	1.0726580	62.49860
## 4008	14.9030	NA	16.366279	71.3391	1.0500	1.0573850	62.72857
## 4010	11.7550	NA	13.061662	72.0934	1.0500	1.0471290	63.80472
## 4012	10.0252	NA	11.177015	72.8007	1.0500	1.0388520	64.28257
## 4014	9.7136	NA	10.712340	73.5106	1.0500	1.0415130	65.96707
## 4016	9.4020	NA	10.247666	74.2267	1.0500	1.0491820	67.26706
## 4018	9.1496	NA	9.990087	74.8920	1.0500	1.0574050	68.33885

## 4020	8.8972	NA	9.732509	75.4535	1.0500	1.0554270	69.00264
## 4022	8.3976	NA	9.198272	75.9170	1.0500	1.0622190	69.85609
## 4024	7.6508	NA	8.387374	76.3341	1.0500	1.0564520	70.64312
## 4026	6.9040	NA	7.576477	76.7524	1.0500	1.0489510	70.08865
## 4028	189.5482	NA	318.062510	35.3976	1.0300	1.0042010	63.65546
## 4030	184.4486	NA	309.760920	36.1988	1.0300	0.9958707	63.25678
## 4032	179.3490	NA	301.459320	37.0000	1.0300	0.9941433	63.27801
## 4034	174.2494	NA	293.157730	37.8012	1.0300	0.9930263	62.50000
## 4036	169.1498	NA	284.856140	38.6024	1.0300	0.9966268	61.81818
## 4038	164.7870	NA	277.724720	39.9280	1.0300	1.0015250	61.50794
## 4040	161.1610	NA	271.763490	40.9249	1.0300	1.0025010	61.24031
## 4042	157.5350	NA	265.802260	42.3444	1.0300	0.9989578	61.09023
## 4044	148.2342	NA	250.224360	44.0523	1.0300	0.9995067	59.74729
## 4046	138.9334	NA	234.646450	45.8038	1.0300	1.0013070	59.51557
## 4048	130.1362	NA	219.390060	47.4868	1.0300	1.0034640	59.13621
## 4050	121.8426	NA	204.455190	49.1347	1.0300	1.0055030	57.44000
## 4052	113.5490	NA	189.520310	50.7851	1.0300	1.0089950	56.61538
## 4054	106.1258	NA	175.548750	52.4466	1.0300	1.0111650	55.81738
## 4056	98.7026	121.6	161.577200	54.1110	1.0300	1.0126700	54.99297
## 4058	91.5240	113.2	148.290930	55.7954	1.0300	1.0144560	54.41176
## 4060	84.5900	106.0	135.689950	57.5020	1.0300	1.0156380	53.74841
## 4062	77.6560	100.4	123.088970	59.0943	1.0300	1.0168200	53.25301
## 4064	71.7736	96.5	112.480160	60.3349	1.0300	1.0182120	52.79361
## 4066	65.8912	93.9	101.871350	61.0704	1.0300	1.0194130	52.48380
## 4068	62.3642	92.0	95.417918	61.2917	1.0300	1.0199210	52.29826
## 4070	61.1926	90.6	93.119875	61.1567	1.0300	1.0195780	52.08535
## 4072	60.0210	89.1	90.821831	60.8291	1.0300	1.0202680	52.25391
## 4074	59.5998	87.9	89.747664	60.3030	1.0300	1.0193800	52.62238
## 4076	59.1786	86.3	88.673496	59.6413	1.0300	1.0200620	53.03408
## 4078	58.7996	84.0	87.784644	59.1167	1.0300	1.0195600	53.76685
## 4080	58.4628	80.8	87.081107	59.0191	1.0300	1.0179000	54.24886
## 4082	58.1260	76.7	86.377570	59.4680	1.0300	1.0209140	55.22496
## 4084	54.6084	71.9	80.458355	60.3928	1.0300	1.0192470	55.72519
## 4086	51.0908	66.1	74.539140	61.5315	1.0300	1.0205670	56.33709
## 4088	47.6350	60.6	68.818225	62.7051	1.0300	1.0221360	56.94356
## 4090	44.2410	54.8	63.295610	63.8436	1.0300	1.0231770	57.21212
## 4092	40.8470	50.8	57.772994	64.8903	1.0300	1.0210260	57.73913
## 4094	161.2124	NA	395.425930	29.2300	1.0300	0.9860422	56.25000
## 4096	158.7272	NA	389.024970	29.7420	1.0300	0.9913886	57.74648
## 4098	156.2420	NA	382.624000	30.2540	1.0300	0.9982237	58.22368
## 4100	153.7568	382.1	376.223030	30.7660	1.0300	1.0040900	59.21450
## 4102	151.2716	368.6	369.822060	31.2780	1.0300	1.0098110	58.82353
## 4104	148.8516	356.3	363.541670	32.3256	1.0300	1.0128760	58.88594
## 4106	146.4968	344.1	357.381850	33.0621	1.0300	1.0145980	57.84062
## 4108	144.1420	332.4	351.222030	34.0932	1.0300	1.0201520	57.85536
## 4110	137.4692	320.5	333.310390	35.4433	1.0300	1.0269630	57.31415
## 4112	130.7964	308.8	315.398750	37.0242	1.0300	1.0228510	56.88073
## 4114	124.6540	296.4	298.672910	38.7374	1.0300	1.0121550	55.86957
## 4116	119.0420	283.5	283.132850	40.4901	1.0300	1.0115310	54.69388
## 4118	113.4300	270.4	267.592790	42.2104	1.0300	1.0081810	54.51056
## 4120	108.4424	257.5	253.392100	43.8887	1.0300	1.0146910	53.44203
## 4122	103.4548	244.9	239.191400	45.5420	1.0300	1.0096040	52.30769
## 4124	98.7594	231.9	225.667400	47.1469	1.0300	1.0097190	51.36000
## 4126	94.3562	218.3	212.820100	48.6687	1.0300	1.0093330	50.81724

## 4128	89.9530	204.0	199.972800	50.0310	1.0300	1.0135880	50.54645
## 4130	86.5970	189.9	189.952840	51.1185	1.0300	1.0185260	50.99502
## 4132	83.2410	176.6	179.932880	51.9105	1.0300	1.0184530	50.73780
## 4134	80.4672	164.2	170.597430	52.4740	1.0300	1.0194710	50.42105
## 4136	78.2756	152.9	161.946490	52.9489	1.0300	1.0188500	50.79365
## 4138	76.0840	142.4	153.295560	53.4908	1.0300	1.0157420	50.75047
## 4140	72.5040	132.5	143.293620	54.2105	1.0300	1.0147470	50.57675
## 4142	68.9240	123.2	133.291690	55.0916	1.0300	1.0164720	51.38307
## 4144	65.5834	114.5	123.912950	56.0734	1.0300	1.0169540	51.22336
## 4146	62.4822	106.0	115.157410	57.0422	1.0300	1.0176590	51.14730
## 4148	59.3810	97.9	106.401870	57.8921	1.0300	1.0185840	51.38889
## 4150	56.5818	90.6	98.858651	58.5694	1.0300	1.0190110	51.17188
## 4152	53.7826	84.3	91.315434	59.1078	1.0300	1.0192020	51.00671
## 4154	51.8756	78.6	85.083446	59.5606	1.0300	1.0195510	51.11492
## 4156	50.8608	73.6	80.162686	59.9993	1.0300	1.0199250	51.41939
## 4158	49.8460	68.9	75.241926	60.4677	1.0300	1.0201750	51.53189
## 4160	85.5328	NA	97.522737	59.0442	1.0600	0.9971357	63.19754
## 4162	82.7344	NA	93.888164	59.8446	1.0600	1.0299330	63.85445
## 4164	79.9360	NA	90.253592	60.6450	1.0600	1.0429860	64.19271
## 4166	77.1376	NA	86.619019	61.4454	1.0600	1.0448580	63.62491
## 4168	74.3392	NA	82.984446	62.2458	1.0600	1.0447250	62.84807
## 4170	71.5418	NA	79.415917	63.8319	1.0600	1.0401030	61.83152
## 4172	68.7454	NA	75.913431	64.6388	1.0600	1.0412270	60.87655
## 4174	65.9490	NA	72.410945	65.4368	1.0600	1.0445930	60.41992
## 4176	63.1506	NA	68.939897	66.1822	1.0600	1.0481990	60.39755
## 4178	60.3522	NA	65.468849	66.8492	1.0600	1.0473950	60.83601
## 4180	57.5546	NA	62.133479	67.4662	1.0600	1.0460580	61.67614
## 4182	54.7578	NA	58.933788	68.0911	1.0600	1.0445440	62.36292
## 4184	51.9610	68.6	55.734097	68.6946	1.0600	1.0418310	63.10858
## 4186	50.8958	64.3	54.299438	69.1357	1.0600	1.0414260	63.84476
## 4188	49.8306	60.2	52.864779	69.3395	1.0600	1.0387020	64.76077
## 4190	48.7644	56.5	51.624951	69.4040	1.0600	1.0411030	65.43427
## 4192	47.6972	53.2	50.579956	69.5280	1.0600	1.0441190	65.90296
## 4194	46.6300	50.7	49.534961	69.7749	1.0600	1.0493270	66.20011
## 4196	45.5788	49.1	48.306660	69.9926	1.0664	1.0584300	66.22799
## 4198	44.5276	48.1	47.078358	70.0325	1.0728	1.0650480	66.15441
## 4200	44.2018	47.2	46.967602	69.9608	1.0760	1.0671810	65.72536
## 4202	44.6014	46.0	47.974392	69.9823	1.0760	1.0613790	65.04854
## 4204	45.0010	44.3	48.981182	70.2327	1.0760	1.0575060	64.63391
## 4206	42.0166	41.5	45.295901	70.7147	1.0900	1.0597230	64.74294
## 4208	39.0322	37.8	41.610620	71.3072	1.1040	1.0829940	65.27807
## 4210	35.8322	33.4	38.217608	71.9183	1.1108	1.1182010	65.79172
## 4212	32.4166	28.9	35.116865	72.4902	1.1104	1.1275620	66.17133
## 4214	29.0010	24.6	32.016123	72.9902	1.1100	1.1273360	67.03911
## 4216	25.4670	20.9	28.257935	73.4210	1.1100	1.1030580	67.76106
## 4218	21.9330	17.9	24.499747	73.8154	1.1100	1.1103740	68.52756
## 4220	18.3716	15.5	20.719971	74.1820	1.1050	1.1049570	68.64427
## 4222	14.7828	13.4	16.918609	74.5139	1.0950	1.0923060	68.65050
## 4224	11.1940	11.9	13.117247	74.8174	1.0850	1.0803220	68.57500
## 4226	52.6356	NA	62.867498	66.4206	1.0688	1.0529620	67.20533
## 4228	49.5048	NA	58.789775	66.9738	1.0664	1.0508560	67.77195
## 4230	46.3740	NA	54.712052	67.5270	1.0640	1.0479720	68.29891
## 4232	43.2432	NA	50.634329	68.0802	1.0616	1.0453570	67.99666
## 4234	40.1124	NA	46.556606	68.6334	1.0592	1.0463670	67.46329

## 4236	36.8832	NA	42.636782	69.5099	1.0580	1.0477610	66.63862
## 4238	33.5556	NA	38.874857	69.8601	1.0580	1.0487630	65.58273
## 4240	30.2280	NA	35.112931	70.1518	1.0580	1.0496390	64.61771
## 4242	27.1896	NA	31.751394	70.3735	1.0580	1.0512890	63.71017
## 4244	24.1512	26.4	28.389858	70.5507	1.0580	1.0521330	63.17179
## 4246	22.2646	24.9	26.211549	70.7429	1.0580	1.0527460	62.86696
## 4248	21.5298	23.1	25.216468	71.0167	1.0580	1.0525500	62.98503
## 4250	20.7950	20.8	24.221387	71.4017	1.0580	1.0518410	63.42177
## 4252	18.6866	18.3	21.854475	71.8837	1.0580	1.0517330	64.09251
## 4254	16.5782	16.0	19.487564	72.4085	1.0580	1.0523070	64.96009
## 4256	14.6342	14.1	17.302515	72.9524	1.0580	1.0518240	66.34825
## 4258	12.8546	12.5	15.299329	73.5121	1.0580	1.0510740	68.19733
## 4260	11.0750	11.1	13.296144	74.0645	1.0580	1.0522380	69.54622
## 4262	9.9558	10.1	11.992504	74.5596	1.0580	1.0532420	69.78321
## 4264	8.8366	9.0	10.688865	74.9827	1.0580	1.0541820	69.39184
## 4266	7.8198	8.0	9.513298	75.3195	1.0580	1.0541890	68.96482
## 4268	6.9054	7.2	8.465805	75.8707	1.0580	1.0545170	68.62512
## 4270	5.9910	6.5	7.418311	76.4220	1.0580	1.0545990	68.48870
## 4272	5.4966	5.9	6.785838	77.0732	1.0580	1.0557870	68.46111
## 4274	5.0022	5.5	6.153365	77.7268	1.0580	1.0556320	68.46741
## 4276	4.6344	5.2	5.683787	78.3293	1.0580	1.0553800	68.10375
## 4278	4.3932	5.0	5.377106	78.3805	1.0580	1.0549550	67.46681
## 4280	4.1520	4.7	5.070425	78.9317	1.0580	1.0547420	66.86893
## 4282	3.9576	4.5	4.814559	79.5341	1.0580	1.0558950	66.37066
## 4284	3.7632	4.3	4.558692	79.8366	1.0580	1.0564470	65.98236
## 4286	3.6046	4.1	4.345638	80.4366	1.0580	1.0563530	65.86260
## 4288	3.4818	3.9	4.175395	80.4902	1.0580	1.0551950	65.95462
## 4290	3.3590	3.7	4.005152	81.0902	1.0580	1.0548030	65.87515
## 4292	158.5780	250.8	268.128580	40.1776	1.0530	1.0481260	52.41665
## 4294	153.0120	239.5	258.751240	41.1748	1.0530	1.0448730	52.90262
## 4296	147.4460	229.5	249.373900	42.1720	1.0530	1.0429300	53.15141
## 4298	141.8800	220.9	239.996550	43.1692	1.0530	1.0411660	53.15598
## 4300	136.3140	213.9	230.619210	44.1664	1.0530	1.0441020	53.13373
## 4302	131.2354	208.6	221.829600	46.2667	1.0530	1.0457660	53.08768
## 4304	126.6442	205.0	213.627710	47.0784	1.0530	1.0451070	53.16993
## 4306	122.0530	203.1	205.425820	47.8076	1.0530	1.0440500	53.14486
## 4308	118.5450	202.7	198.976780	48.4552	1.0530	1.0439440	52.61263
## 4310	115.0370	202.5	192.527740	49.0481	1.0530	1.0445400	52.10764
## 4312	111.9232	200.7	186.781470	49.6220	1.0530	1.0422690	51.63702
## 4314	109.2036	195.3	181.737970	50.2073	1.0530	1.0375030	51.37968
## 4316	106.4840	185.9	176.694480	50.8139	1.0530	1.0337700	51.39341
## 4318	103.5848	175.8	171.222340	51.4098	1.0530	1.0326740	51.33464
## 4320	100.6856	168.4	165.750200	51.9818	1.0530	1.0348200	51.55909
## 4322	97.9256	164.6	160.573670	52.5783	1.0530	1.0375190	51.77190
## 4324	95.3048	161.3	155.692730	53.2737	1.0530	1.0378690	52.06389
## 4326	92.6840	154.6	150.811800	54.1097	1.0530	1.0385250	52.46933
## 4328	88.7084	144.1	143.588330	55.1373	1.0530	1.0411810	52.74481
## 4330	84.7328	132.6	136.364850	56.2472	1.0530	1.0436420	53.16892
## 4332	80.6980	123.1	129.064790	57.1573	1.0530	1.0449080	53.53320
## 4334	76.6040	117.1	121.688140	57.5798	1.0530	1.0439310	53.84083
## 4336	72.5100	113.4	114.311490	57.5027	1.0530	1.0435630	54.33447
## 4338	70.2688	109.5	110.295890	57.1642	1.0530	1.0447180	54.71569
## 4340	68.0276	104.0	106.280290	56.9537	1.0530	1.0452880	55.27332
## 4342	65.7078	97.3	102.144630	57.1476	1.0530	1.0462680	55.73753

## 4344	63.3094	91.3	97.888924	57.7852	1.0530	1.0465470	56.02285
## 4346	60.9110	86.5	93.633213	58.7010	1.0530	1.0441570	56.40954
## 4348	58.6866	82.2	89.715161	59.6359	1.0530	1.0436940	56.74272
## 4350	56.4622	77.4	85.797109	60.3555	1.0530	1.0425080	57.18382
## 4352	53.5746	71.9	80.693378	60.8080	1.0530	1.0427740	57.49529
## 4354	50.0238	66.5	74.403968	61.1421	1.0530	1.0421160	57.59440
## 4356	46.4730	61.6	68.114558	61.4917	1.0530	1.0422940	57.79124
## 4358	49.4920	NA	64.015055	64.6182	1.0680	1.0545920	64.83761
## 4360	47.6460	NA	61.011232	65.1826	1.0680	1.0603640	65.88250
## 4362	45.8000	59.8	58.007409	65.7470	1.0680	1.0660720	66.30120
## 4364	43.9540	59.2	55.003586	66.3114	1.0680	1.0737110	66.11091
## 4366	42.1080	57.1	51.999763	66.8758	1.0680	1.0729270	65.49467
## 4368	40.5522	54.4	49.292386	68.5486	1.0680	1.0720270	65.26416
## 4370	39.2866	51.0	46.881454	69.1857	1.0680	1.0690370	65.59801
## 4372	38.0210	47.8	44.470522	69.6380	1.0680	1.0662800	65.79965
## 4374	36.2586	44.6	41.897228	70.0525	1.0684	1.0625000	65.39977
## 4376	34.4962	40.0	39.323935	70.5893	1.0688	1.0639030	64.39940
## 4378	31.8862	35.6	36.075272	71.2266	1.0690	1.0690990	63.71471
## 4380	28.4286	33.1	32.151240	71.8148	1.0690	1.0684530	63.80803
## 4382	24.9710	31.4	28.227207	72.2937	1.0690	1.0671240	63.89104
## 4384	23.3178	28.5	26.313362	72.7617	1.0698	1.0644440	63.96932
## 4386	21.6646	25.1	24.399517	73.3294	1.0706	1.0699160	63.90582
## 4388	19.6136	21.9	22.048244	73.9695	1.0720	1.0728360	64.29675
## 4390	17.1648	19.5	19.259543	74.5649	1.0740	1.0731680	64.91907
## 4392	14.7160	17.4	16.470843	75.0766	1.0760	1.0710350	65.46225
## 4394	13.4400	15.3	15.111885	75.6026	1.0724	1.0660260	66.07214
## 4396	12.1640	13.3	13.752928	76.6878	1.0688	1.0623690	66.80906
## 4398	10.9106	11.9	12.351904	77.1366	1.0670	1.0608180	67.32237
## 4400	9.6798	10.9	10.908814	77.3902	1.0670	1.0634860	67.60590
## 4402	8.4490	10.1	9.465723	77.5854	1.0670	1.0658970	67.92595
## 4404	7.7118	9.3	8.746957	78.1366	1.0650	1.0669500	67.94148
## 4406	6.9746	8.3	8.028190	77.9878	1.0630	1.0618520	67.98644
## 4408	6.1950	7.3	7.198547	78.3878	1.0628	1.0549010	67.72549
## 4410	5.3730	6.3	6.258027	78.8415	1.0644	1.0534710	67.17744
## 4412	4.5510	5.5	5.317507	79.2390	1.0660	1.0536680	66.77207
## 4414	4.1238	5.0	4.866397	79.4390	1.0668	1.0570640	66.60677
## 4416	3.6966	4.8	4.415287	80.1878	1.0676	1.0553580	66.53547
## 4418	3.4412	4.7	4.140657	80.7317	1.0668	1.0593010	66.03604
## 4420	3.3576	4.7	4.042509	81.2854	1.0644	1.0632370	65.03844
## 4422	3.2740	4.6	3.944359	81.5878	1.0620	1.0670610	64.00402
## 4424	179.6210	NA	263.495220	40.3308	1.0500	1.0274750	52.57955
## 4426	174.0630	NA	256.344040	41.1884	1.0500	1.0293730	52.16121
## 4428	168.5050	NA	249.192850	42.0460	1.0500	1.0303120	51.99225
## 4430	162.9470	232.3	242.041670	42.9036	1.0500	1.0309070	51.52151
## 4432	157.3890	223.0	234.890490	43.7612	1.0500	1.0327270	51.48047
## 4434	151.8080	214.1	227.021580	46.1040	1.0500	1.0331720	51.48585
## 4436	146.2040	205.7	218.434950	47.2827	1.0500	1.0344410	51.60858
## 4438	140.6000	197.1	209.848320	48.5086	1.0500	1.0354830	51.98816
## 4440	135.0716	188.3	201.104160	49.8490	1.0500	1.0357790	52.05287
## 4442	129.5432	179.0	192.360000	51.3103	1.0500	1.0371100	52.37915
## 4444	123.8030	169.0	183.161090	52.7740	1.0500	1.0371830	52.43815
## 4446	117.8510	159.0	173.507430	54.0740	1.0500	1.0386210	52.33819
## 4448	111.8990	149.0	163.853770	55.1328	1.0500	1.0391330	52.29240
## 4450	105.7398	139.2	154.012790	55.9918	1.0500	1.0392610	51.95318



## 4452	99.5806	129.6	144.171800	56.7906	1.0500	1.0400730	51.70176
## 4454	93.5296	120.1	134.527630	57.6328	1.0500	1.0402640	51.39535
## 4456	87.5868	110.9	125.080280	58.5586	1.0500	1.0413890	51.12177
## 4458	81.6440	102.0	115.632920	59.5681	1.0500	1.0418470	51.05334
## 4460	76.2288	93.3	106.799670	60.6331	1.0500	1.0422510	50.98545
## 4462	70.8136	84.9	97.966423	61.7047	1.0500	1.0418420	51.20805
## 4464	65.5512	77.0	89.595135	62.7731	1.0500	1.0404780	51.47576
## 4466	60.4416	69.7	81.685809	63.8564	1.0500	1.0401040	51.68357
## 4468	55.3320	63.3	73.776482	64.9630	1.0500	1.0400300	52.00811
## 4470	51.1772	57.7	67.515218	66.0959	1.0500	1.0390390	52.38708
## 4472	47.0224	52.8	61.253954	67.2152	1.0500	1.0401850	52.87931
## 4474	43.4074	48.6	55.876671	68.2275	1.0500	1.0414110	53.34391
## 4476	40.3322	44.8	51.383368	69.0412	1.0500	1.0420480	53.78191
## 4478	37.2570	41.4	46.890065	69.6460	1.0500	1.0435950	54.32342
## 4480	34.8602	38.4	43.529557	70.1108	1.0500	1.0437330	55.09893
## 4482	32.4634	35.7	40.169049	70.5475	1.0500	1.0446600	55.99251
## 4484	30.4010	33.3	37.311413	71.0104	1.0500	1.0452640	56.88372
## 4486	28.6730	31.1	34.956649	71.4864	1.0500	1.0451960	57.71461
## 4488	26.9450	29.1	32.601884	71.9565	1.0500	1.0450290	58.53882
## 4490	212.3846	NA	354.582030	32.0726	1.0240	0.9957538	57.35201
## 4492	209.6298	NA	350.232040	32.5738	1.0240	0.9902905	56.78439
## 4494	206.8750	NA	345.882060	33.0750	1.0240	0.9886825	56.87575
## 4496	204.1202	NA	341.532070	33.5762	1.0240	0.9876360	56.29760
## 4498	201.3654	NA	337.182090	34.0774	1.0240	0.9898308	56.17722
## 4500	198.9934	351.3	333.356990	35.0811	1.0240	0.9937882	55.80627
## 4502	197.0042	346.8	330.056780	35.4252	1.0240	0.9941936	55.32142
## 4504	195.0150	341.9	326.756570	35.7316	1.0240	0.9940909	55.30049
## 4506	193.8902	336.2	324.758910	36.0384	1.0240	0.9955250	55.12183
## 4508	192.7654	330.2	322.761250	36.4101	1.0240	0.9963281	55.48077
## 4510	190.8472	324.1	319.668880	36.9204	1.0240	0.9971144	55.62339
## 4512	188.1356	317.5	315.481820	37.6092	1.0240	0.9951705	55.61473
## 4514	185.4240	310.1	311.294760	38.4833	1.0240	0.9937911	55.80275
## 4516	179.8112	301.4	302.370230	39.4996	1.0240	0.9946420	55.31527
## 4518	174.1984	291.9	293.445710	40.6308	1.0240	0.9967675	55.12129
## 4520	168.4062	282.2	284.119210	41.9557	1.0240	0.9994389	54.63468
## 4522	162.4346	272.6	274.390730	43.5832	1.0240	1.0001510	54.13111
## 4524	156.4630	263.1	264.662260	45.4547	1.0240	1.0006230	53.75074
## 4526	150.8346	253.6	255.110010	47.4052	1.0240	1.0018060	53.22791
## 4528	145.2062	243.7	245.557760	49.1782	1.0240	1.0031600	52.87994
## 4530	139.5598	232.4	235.791560	50.5273	1.0240	1.0045440	52.53652
## 4532	133.8954	219.7	225.811390	51.3555	1.0240	1.0052150	52.20794
## 4534	128.2310	205.9	215.831230	51.6997	1.0240	1.0061270	52.28284
## 4536	121.6242	192.0	204.438270	51.6093	1.0240	1.0069160	52.08258
## 4538	115.0174	177.5	193.045300	51.3356	1.0240	1.0081200	52.19151
## 4540	108.4152	162.9	182.114540	51.2462	1.0240	1.0096580	52.31714
## 4542	101.8176	149.0	171.645990	51.6351	1.0240	1.0115740	52.46714
## 4544	95.2200	136.7	161.177450	52.5866	1.0240	1.0120930	52.78726
## 4546	88.2092	125.9	146.155870	53.9995	1.0240	1.0113280	52.95972
## 4548	81.1984	116.3	131.134300	55.5561	1.0240	1.0102290	53.35013
## 4550	75.3010	107.7	119.348340	57.0005	1.0240	1.0103160	53.66737
## 4552	70.5170	100.4	110.798000	58.2165	1.0240	1.0110820	54.01741
## 4554	65.7330	93.7	102.247670	59.1934	1.0240	1.0119680	54.41783
## 4556	184.8382	NA	320.095110	34.8416	1.0300	1.0072290	58.45588
## 4558	182.4706	NA	315.955880	35.3628	1.0300	0.9927402	57.50000

## 4560	180.1030	NA 311.816660	35.8840	1.0300	0.9858697	56.69565
## 4562	177.7354	NA 307.677430	36.4052	1.0300	0.9816776	56.58784
## 4564	175.3678	NA 303.538210	36.9264	1.0300	0.9852239	56.97865
## 4566	172.8928	NA 299.188160	38.1433	1.0300	0.9907583	56.25000
## 4568	170.3104	NA 294.627310	38.8137	1.0300	0.9907258	56.20094
## 4570	167.7280	NA 290.066450	39.5659	1.0300	0.9894029	56.04900
## 4572	164.2404	NA 283.653060	40.3572	1.0300	0.9904016	56.52819
## 4574	160.7528	NA 277.239670	41.1395	1.0300	0.9926457	56.65236
## 4576	157.6418	NA 271.208230	41.8999	1.0300	0.9974225	56.62983
## 4578	154.9074	NA 265.558760	42.6625	1.0300	1.0029320	56.38298
## 4580	152.1730	NA 259.909290	43.4487	1.0300	1.0020790	55.71245
## 4582	148.4710	NA 253.323610	44.2732	1.0300	1.0055080	55.27950
## 4584	144.7690	NA 246.737930	45.1205	1.0300	1.0021670	54.91607
## 4586	141.2822	NA 240.362710	45.9436	1.0300	0.9999471	53.97924
## 4588	138.0106	NA 234.197940	46.6945	1.0300	0.9993204	53.09735
## 4590	134.7390	NA 228.033180	47.3700	1.0300	1.0009060	52.59259
## 4592	132.2194	242.2 223.622700	48.0301	1.0300	1.0016720	51.61943
## 4594	129.6998	233.3 219.212230	48.7229	1.0300	1.0005870	51.40368
## 4596	127.0456	224.9 214.467930	49.4235	1.0300	1.0013430	51.29630
## 4598	124.2568	215.5 209.389790	50.0541	1.0300	1.0013810	51.19575
## 4600	121.4680	205.5 204.311650	50.5679	1.0300	1.0016580	51.65114
## 4602	116.5280	194.6 195.822590	50.9621	1.0300	1.0040170	51.78282
## 4604	111.5880	183.3 187.333540	51.2905	1.0300	1.0043730	52.40683
## 4606	107.5006	171.5 180.222000	51.6019	1.0300	1.0056840	53.31348
## 4608	104.2658	159.0 174.487960	51.9368	1.0300	1.0061280	53.74732
## 4610	101.0310	146.2 168.753930	52.3393	1.0300	1.0077380	54.24077
## 4612	97.0586	133.6 161.954660	52.8555	1.0300	1.0070660	54.74787
## 4614	93.0862	121.6 155.155390	53.4766	1.0300	1.0077620	55.10332
## 4616	88.9688	110.4 148.272010	54.1594	1.0300	1.0086270	55.37634
## 4618	84.7064	100.5 141.304510	54.8384	1.0300	1.0084670	55.77689
## 4620	80.4440	92.5 134.337020	55.4673	1.0300	1.0080320	56.09756
## 4622	76.5766	150.2 102.790080	58.0482	1.0500	1.0170050	55.23810
## 4624	74.4058	135.9 99.832545	58.4386	1.0500	1.0230570	53.86313
## 4626	72.2350	121.8 96.875006	58.8290	1.0500	1.0294720	52.78351
## 4628	70.0642	108.9 93.917467	59.2194	1.0500	1.0332410	51.93798
## 4630	67.8934	98.0 90.959928	59.6098	1.0500	1.0311310	50.91241
## 4632	65.8552	89.2 88.172246	60.4621	1.0500	1.0308660	50.34364
## 4634	63.9496	82.8 85.554420	60.8309	1.0500	1.0327520	49.11147
## 4636	62.0440	78.5 82.936593	61.1872	1.0500	1.0324970	48.76923
## 4638	60.1840	75.9 80.392914	61.4913	1.0500	1.0329210	49.25595
## 4640	58.3240	74.3 77.849235	61.7225	1.0500	1.0329380	49.12791
## 4642	57.1088	73.6 76.114167	61.8929	1.0500	1.0318640	50.42614
## 4644	56.5384	73.2 75.187710	62.0422	1.0500	1.0331010	51.25000
## 4646	55.9680	72.7 74.261254	62.2034	1.0500	1.0351610	51.48649
## 4648	55.3548	72.0 73.388046	62.3796	1.0500	1.0378970	52.23097
## 4650	54.7416	71.0 72.514839	62.5573	1.0500	1.0365940	52.49680
## 4652	54.0484	69.8 71.532560	62.7273	1.0500	1.0367140	53.68020
## 4654	53.2752	68.5 70.441208	62.8858	1.0500	1.0369780	54.87179
## 4656	52.5020	66.8 69.349856	63.0411	1.0500	1.0291600	56.33987
## 4658	51.4476	64.7 67.809796	63.2105	1.0500	1.0235370	58.52349
## 4660	50.3932	61.9 66.269736	63.4094	1.0500	1.0086880	59.97249
## 4662	48.8776	58.8 63.931711	63.6485	1.0500	1.0030380	60.66946
## 4664	46.9008	55.6 60.795721	63.9252	1.0500	1.0196310	60.69444
## 4666	44.9240	52.7 57.659730	64.2257	1.0500	1.0411440	60.60606

## 4668	43.1432	50.2	55.138810	64.5328	1.0500	1.0503800	61.17166
## 4670	41.3624	47.8	52.617889	64.8319	1.0500	1.0440110	60.54054
## 4672	39.6866	45.6	50.281420	65.1078	1.0500	1.0414990	59.81183
## 4674	38.1158	44.0	48.129402	65.3578	1.0500	1.0488550	59.08479
## 4676	36.5450	42.8	45.977385	65.5825	1.0500	1.0544500	59.16442
## 4678	35.6854	42.1	44.757764	65.7798	1.0500	1.0568600	60.00000
## 4680	34.8258	41.7	43.538143	65.9570	1.0500	1.0497070	61.25166
## 4682	34.1590	41.4	42.566108	66.1291	1.0500	1.0441440	63.09524
## 4684	33.6850	40.8	41.841660	66.3100	1.0500	1.0462130	64.65177
## 4686	33.2110	39.4	41.117212	66.5075	1.0500	1.0503550	65.97132
## 4688	242.6686	NA	363.494890	34.9698	1.0500	1.0162110	56.67176
## 4690	232.0598	NA	347.307530	36.2254	1.0500	1.0155580	56.60767
## 4692	221.4510	NA	331.120160	37.4810	1.0500	1.0159760	56.85828
## 4694	210.8422	306.7	314.932800	38.7366	1.0500	1.0165260	56.64930
## 4696	200.2334	296.3	298.745430	39.9922	1.0500	1.0169630	56.58138
## 4698	190.2690	286.6	283.451110	42.6840	1.0500	1.0179260	56.27695
## 4700	180.9490	277.3	269.049840	43.8362	1.0500	1.0184290	55.38499
## 4702	171.6290	268.5	254.648570	44.9420	1.0500	1.0189390	54.83493
## 4704	163.4258	259.2	241.912940	45.9423	1.0500	1.0201430	54.36347
## 4706	155.2226	249.9	229.177300	46.8084	1.0500	1.0209640	54.37040
## 4708	148.0180	240.1	219.194950	47.5767	1.0500	1.0227320	54.45441
## 4710	141.8120	229.4	211.965880	48.3235	1.0500	1.0237190	54.56561
## 4712	135.6060	218.4	204.736800	49.0873	1.0500	1.0239910	54.80545
## 4714	134.1160	207.5	198.200860	49.8279	1.0500	1.0231460	54.79221
## 4716	132.6260	196.9	191.664910	50.5043	1.0500	1.0227580	54.84103
## 4718	130.1438	186.9	185.274010	51.1569	1.0500	1.0249170	54.63138
## 4720	126.6694	177.0	179.028150	51.8639	1.0500	1.0300820	54.11745
## 4722	123.1950	167.6	172.782280	52.6475	1.0500	1.0348410	53.74373
## 4724	114.2998	158.5	162.287450	53.4546	1.0500	1.0375270	53.17841
## 4726	105.4046	150.0	151.792620	54.2137	1.0500	1.0376820	52.93272
## 4728	97.9222	141.7	142.619990	54.9144	1.0500	1.0369480	52.85103
## 4730	91.8526	133.3	134.769580	55.5985	1.0500	1.0372720	52.94118
## 4732	85.7830	124.9	126.919160	56.2757	1.0500	1.0384030	53.42711
## 4734	79.5710	116.5	119.085610	56.8929	1.0500	1.0393960	54.11736
## 4736	73.3590	108.5	111.252060	57.4263	1.0500	1.0406760	55.08091
## 4738	67.4118	101.3	104.391350	57.9298	1.0500	1.0414470	56.01058
## 4740	61.7294	95.1	98.503471	58.4952	1.0500	1.0406640	56.88503
## 4742	56.0470	90.0	92.615596	59.1785	1.0500	1.0396350	57.77826
## 4744	54.5130	85.5	89.934396	59.9774	1.0500	1.0385640	58.50162
## 4746	52.9790	81.2	87.253197	60.8222	1.0500	1.0390350	59.24084
## 4748	51.1582	77.2	84.207191	61.6452	1.0500	1.0396330	60.01971
## 4750	49.0506	73.1	80.796379	62.4011	1.0500	1.0399300	60.86081
## 4752	46.9430	69.0	77.385567	63.0738	1.0500	1.0397740	61.65624
## 4754	181.5634	NA	298.572260	39.5504	1.0500	1.0478790	53.31148
## 4756	175.4262	NA	287.662320	40.6692	1.0500	1.0413030	52.75542
## 4758	169.2890	NA	276.752370	41.7880	1.0500	1.0361450	52.30052
## 4760	163.1518	232.3	265.842430	42.9068	1.0500	1.0337420	51.42544
## 4762	157.0146	217.2	254.932480	44.0256	1.0500	1.0321800	50.95410
## 4764	150.2558	203.4	242.969870	46.9639	1.0500	1.0322380	50.45916
## 4766	142.8754	190.3	229.954600	48.2890	1.0500	1.0310570	49.97739
## 4768	135.4950	177.8	216.939330	49.5474	1.0500	1.0294320	49.76626
## 4770	128.8858	165.6	206.143410	50.7374	1.0500	1.0287990	49.25613
## 4772	122.2766	153.7	195.347490	51.9149	1.0500	1.0283570	49.19847
## 4774	115.9110	142.2	184.869750	53.1329	1.0500	1.0279030	49.07842

## 4776	109.7890	131.2	174.710190	54.4308	1.0500	1.0272460	49.14617
## 4778	103.6670	120.5	164.550640	55.8233	1.0500	1.0274220	49.25997
## 4780	94.6094	110.3	151.209550	57.3030	1.0500	1.0281130	49.44058
## 4782	85.5518	100.4	137.868470	58.8329	1.0500	1.0296040	49.64519
## 4784	77.8142	91.1	125.105710	60.4059	1.0500	1.0313300	49.85337
## 4786	71.3966	82.5	112.921260	62.0248	1.0500	1.0323730	50.23815
## 4788	64.9790	74.6	100.736810	63.6138	1.0500	1.0332610	50.57824
## 4790	60.1726	67.4	90.015308	65.0301	1.0500	1.0343580	50.80036
## 4792	55.3662	61.1	79.293803	66.1944	1.0500	1.0354110	50.94419
## 4794	50.9762	55.5	71.131285	67.1436	1.0500	1.0363850	51.27951
## 4796	47.0026	50.6	65.527755	68.0088	1.0500	1.0371240	51.63595
## 4798	43.0290	46.4	59.924225	68.8584	1.0500	1.0379020	52.10159
## 4800	39.8334	42.6	55.814663	69.6307	1.0500	1.0383760	52.61270
## 4802	36.6378	39.1	51.705101	70.2458	1.0500	1.0389980	53.24612
## 4804	34.2734	35.8	48.646298	70.7121	1.0500	1.0396260	54.07314
## 4806	32.7402	32.7	46.638254	71.1030	1.0500	1.0399690	55.07093
## 4808	31.2070	30.0	44.630209	71.4822	1.0500	1.0403070	56.18369
## 4810	30.4946	27.6	43.774655	71.8587	1.0500	1.0403910	57.55537
## 4812	29.7822	25.4	42.919101	72.2172	1.0500	1.0403250	58.95977
## 4814	29.0954	23.5	42.009799	72.5727	1.0500	1.0404710	60.49593
## 4816	28.4342	21.8	41.046750	72.9429	1.0500	1.0405220	62.03338
## 4818	27.7730	20.4	40.083701	73.3331	1.0500	1.0405340	63.35604
## 4820	74.2740	NA	104.320970	60.9542	1.0670	1.1058250	66.15914
## 4822	68.0400	NA	95.802395	62.0646	1.0670	1.0872540	64.93333
## 4824	61.8060	NA	87.283819	63.1750	1.0670	1.0744120	62.12851
## 4826	55.5720	NA	78.765242	64.2854	1.0670	1.0612730	59.49134
## 4828	49.3380	NA	70.246665	65.3958	1.0670	1.0595210	57.00204
## 4830	43.6934	NA	61.355446	67.5794	1.0670	1.0614280	56.08925
## 4832	38.6382	NA	52.091583	68.6434	1.0670	1.0609240	56.47158
## 4834	33.5830	NA	42.827720	69.5554	1.0670	1.0568000	57.23304
## 4836	30.0186	NA	38.378080	70.3466	1.0670	1.0592040	57.60062
## 4838	26.4542	NA	33.928441	71.0879	1.0670	1.0628200	58.46271
## 4840	23.0718	NA	29.447277	71.4585	1.0670	1.0614410	59.97503
## 4842	19.8714	NA	24.934588	72.1098	1.0670	1.0535290	61.58669
## 4844	16.6710	NA	20.421900	73.3683	1.0670	1.0630190	63.30654
## 4846	15.1714	NA	18.559490	73.3195	1.0670	1.0569420	65.52989
## 4848	13.6718	NA	16.697079	73.6732	1.0670	1.0751630	67.84990
## 4850	12.2372	NA	14.913293	75.3244	1.0670	1.0841070	69.15761
## 4852	10.8676	NA	13.208132	75.2756	1.0670	1.0894080	69.24967
## 4854	9.4980	NA	11.502971	76.4341	1.0670	1.0844660	69.14127
## 4856	8.5988	NA	10.373313	76.8829	1.0670	1.0853630	69.44644
## 4858	7.6996	NA	9.243655	77.0293	1.0670	1.0732900	69.73086
## 4860	6.8388	NA	8.210749	77.8829	1.0670	1.0678680	70.24074
## 4862	6.0164	NA	7.274595	78.0317	1.0670	1.0786260	70.52720
## 4864	5.1940	NA	6.338441	78.6829	1.0670	1.0916410	70.91471
## 4866	4.5532	NA	5.743655	80.1268	1.0670	1.0953490	71.01856
## 4868	3.9124	NA	5.148869	80.3829	1.0670	1.0932170	71.53536
## 4870	3.3774	NA	4.597929	81.4244	1.0670	1.0884310	72.11820
## 4872	2.9482	NA	4.090836	81.3293	1.0670	1.0830290	72.77770
## 4874	2.5190	NA	3.583742	81.5805	1.0670	1.0777790	73.70652
## 4876	2.2550	NA	3.339314	82.3268	1.0670	1.0833080	74.77464
## 4878	1.9910	NA	3.094886	82.7756	1.0670	1.0839790	75.17986
## 4880	1.8050	NA	2.882567	83.4220	1.0670	1.0822620	74.97161
## 4882	1.6970	NA	2.702358	83.8317	1.0670	1.0813550	74.14852

## 4884	1.5890	NA	2.522149	84.2780	1.0670	1.0805680	72.94182
## 4886	85.6214	NA	99.085746	61.7100	1.0600	1.0469080	66.93395
## 4888	78.7522	NA	90.876521	62.8660	1.0600	1.0477850	66.18861
## 4890	71.8830	72.5	82.667295	64.0220	1.0600	1.0454610	66.10032
## 4892	65.0138	70.6	74.458070	65.1780	1.0600	1.0469080	65.69844
## 4894	58.1446	63.2	66.248845	66.3340	1.0600	1.0484140	65.72746
## 4896	52.3518	56.1	59.441348	68.9361	1.0600	1.0520020	65.82935
## 4898	47.6354	52.7	54.035580	68.8741	1.0600	1.0566620	65.97030
## 4900	42.9190	48.9	48.629812	69.0712	1.0600	1.0599690	66.29302
## 4902	40.6462	46.2	45.746243	69.4071	1.0600	1.0603040	66.77410
## 4904	38.3734	43.7	42.862673	69.3146	1.0600	1.0555210	67.31012
## 4906	36.7458	42.3	40.739834	69.0524	1.0600	1.0548230	67.48218
## 4908	35.7634	42.0	39.377723	69.5181	1.0600	1.0564600	67.58179
## 4910	34.7810	39.2	38.015613	69.2900	1.0600	1.0584370	67.14096
## 4912	31.2118	32.3	34.158268	69.8480	1.0600	1.0574450	65.96564
## 4914	27.6426	27.5	30.300923	69.6154	1.0600	1.0580760	64.60020
## 4916	24.6822	25.1	27.138656	69.1393	1.0600	1.0558840	64.30698
## 4918	22.3306	23.9	24.671468	68.9737	1.0600	1.0498220	65.35507
## 4920	19.9790	24.0	22.204281	68.9722	1.0600	1.0424280	66.19692
## 4922	18.8102	21.5	20.990529	69.6512	1.0600	1.0404170	66.35184
## 4924	17.6414	19.6	19.776777	69.4617	1.0600	1.0465020	65.92699
## 4926	16.2800	18.3	18.350063	69.3771	1.0586	1.0490670	66.08486
## 4928	14.7260	15.9	16.710389	69.1012	1.0558	1.0482120	66.90148
## 4930	13.1720	13.8	15.070714	69.7917	1.0530	1.0478220	67.63910
## 4932	11.7364	12.6	13.557433	70.7024	1.0558	1.0495070	67.81108
## 4934	10.3008	11.7	12.044153	70.6771	1.0586	1.0556850	67.90208
## 4936	9.1538	10.5	10.776340	72.2488	1.0600	1.0603190	68.19341
## 4938	8.2954	9.2	9.753994	72.3000	1.0600	1.0582160	68.51395
## 4940	7.4370	8.3	8.731648	72.6488	1.0600	1.0546010	68.78962
## 4942	6.7250	7.5	7.917940	73.1512	1.0576	1.0514880	68.75000
## 4944	6.0130	6.8	7.104232	73.9049	1.0552	1.0509710	68.68959
## 4946	5.4998	6.4	6.492770	74.8585	1.0550	1.0497950	68.46531
## 4948	5.1854	6.2	6.083557	75.5659	1.0570	1.0534440	68.16808
## 4950	4.8710	5.9	5.674343	75.9610	1.0590	1.0582150	67.61035
## 4952	24.7280	29.2	30.812086	71.1576	1.0720	1.0765420	62.06897
## 4954	23.1360	26.5	28.766968	71.6028	1.0700	1.0719860	60.92715
## 4956	21.5440	24.4	26.721850	72.0480	1.0680	1.0647200	59.23567
## 4958	19.9520	22.9	24.676732	72.4932	1.0660	1.0571810	58.18182
## 4960	18.3600	21.8	22.631614	72.9384	1.0640	1.0592580	58.13953
## 4962	17.4390	21.1	21.599755	73.5034	1.0594	1.0579280	56.98324
## 4964	17.1890	20.2	21.581154	73.0429	1.0522	1.0483760	56.98925
## 4966	16.9390	19.1	21.562554	73.8688	1.0450	1.0401610	57.29167
## 4968	15.4266	17.8	19.555812	73.7832	1.0482	1.0350050	57.57576
## 4970	13.9142	16.5	17.549070	73.7763	1.0514	1.0453340	58.41584
## 4972	12.9070	15.2	16.216758	73.5705	1.0556	1.0554950	60.38647
## 4974	12.4050	14.0	15.558876	74.4510	1.0608	1.0599360	60.09390
## 4976	11.9030	12.8	14.900993	75.5788	1.0660	1.0581920	60.55046
## 4978	10.7190	11.5	13.584824	76.3737	1.0608	1.0563420	63.06306
## 4980	9.5350	10.3	12.268655	76.7732	1.0556	1.0475360	62.38938
## 4982	8.3864	9.2	10.803605	76.5215	1.0532	1.0388540	62.17391
## 4984	7.2732	8.4	9.189675	76.8456	1.0536	1.0402210	63.13559
## 4986	6.1600	7.7	7.575744	77.6024	1.0540	1.0447220	63.48548
## 4988	5.9544	7.1	7.232725	77.3390	1.0552	1.0503340	63.96761
## 4990	5.7488	6.6	6.889706	78.1410	1.0564	1.0479470	63.63636

## 4992	5.4712	6.2	6.578310	77.9920	1.0572	1.0500710	64.20233
## 4994	5.1216	5.7	6.298537	78.9346	1.0576	1.0541710	64.63878
## 4996	4.7720	5.2	6.018764	77.9844	1.0580	1.0553450	64.41948
## 4998	4.3436	4.7	5.517629	78.8854	1.0516	1.0478550	64.10256
## 5000	3.9152	4.2	5.016495	79.3512	1.0452	1.0399810	65.46763
## 5002	3.4688	3.8	4.467162	80.6902	1.0422	1.0366280	66.19718
## 5004	3.0044	3.4	3.869632	80.9634	1.0426	1.0334750	65.74394
## 5006	2.5400	3.1	3.272102	81.5024	1.0430	1.0381000	66.66667
## 5008	2.3232	2.8	3.141323	81.4537	1.0458	1.0441980	66.99346
## 5010	2.1064	2.5	3.010544	81.7512	1.0486	1.0587400	66.87898
## 5012	1.9126	2.3	2.792590	82.3585	1.0506	1.0662930	66.97819
## 5014	1.7418	2.1	2.487461	82.0610	1.0518	1.0483390	67.07692
## 5016	1.5710	2.0	2.182332	82.8610	1.0530	1.0319300	65.65350
## 5018	198.6776	NA	297.391160	34.1932	1.0600	1.0240930	59.07266
## 5020	192.3908	279.5	288.074500	35.4076	1.0600	1.0476850	58.40441
## 5022	186.1040	269.5	278.757830	36.6220	1.0600	1.0594430	58.08894
## 5024	179.8172	260.4	269.441170	37.8364	1.0600	1.0660680	57.32860
## 5026	173.5304	251.8	260.124510	39.0508	1.0600	1.0610330	56.89801
## 5028	167.8068	243.7	251.597930	41.7905	1.0600	1.0536740	56.31482
## 5030	162.6464	236.3	243.861430	43.0527	1.0600	1.0549500	55.60903
## 5032	157.4860	229.6	236.124940	44.3535	1.0600	1.0581920	55.35227
## 5034	153.1892	223.1	229.555030	45.6909	1.0600	1.0590070	55.26579
## 5036	148.8924	216.6	222.985110	47.0470	1.0600	1.0585860	55.63723
## 5038	144.5452	209.9	216.169940	48.4074	1.0600	1.0582360	55.88955
## 5040	140.1476	202.2	209.109510	49.7603	1.0600	1.0598260	56.08187
## 5042	135.7500	193.4	202.049080	51.0679	1.0600	1.0607370	56.43683
## 5044	129.7104	183.4	192.422960	52.2846	1.0600	1.0605510	56.60486
## 5046	123.6708	172.8	182.796840	53.3807	1.0600	1.0606730	56.94927
## 5048	117.6474	162.6	173.055880	54.3285	1.0610	1.0603250	57.16554
## 5050	111.6402	153.5	163.200070	55.1323	1.0630	1.0629810	57.28008
## 5052	105.6330	145.2	153.344250	55.8609	1.0650	1.0660100	57.54055
## 5054	100.6362	137.3	145.350510	56.6184	1.0670	1.0678230	57.65964
## 5056	95.6394	129.5	137.356770	57.4730	1.0690	1.0704790	58.02288
## 5058	90.8968	122.2	129.802650	58.4382	1.0740	1.0747640	58.37950
## 5060	86.4084	115.4	122.688160	59.4529	1.0820	1.0845280	58.75432
## 5062	81.9200	108.7	115.573660	60.4444	1.0900	1.0941960	59.30366
## 5064	77.5572	101.9	108.714220	61.3696	1.0936	1.1015290	59.83201
## 5066	73.1944	94.8	101.854780	62.2271	1.0972	1.1040850	60.49990
## 5068	68.7974	87.7	94.947886	63.0199	1.1006	1.1052530	61.13391
## 5070	64.3662	81.0	87.993543	63.7745	1.1038	1.1095650	61.75835
## 5072	59.9350	74.6	81.039199	64.5239	1.1070	1.1137960	62.43705
## 5074	55.8986	68.5	74.735075	65.3004	1.1078	1.1151530	63.01372
## 5076	51.8622	62.7	68.430951	66.1026	1.1086	1.1143080	63.64779
## 5078	48.1302	57.2	62.715749	66.9042	1.1090	1.1123650	64.29521
## 5080	44.7026	52.1	57.589468	67.6604	1.1090	1.1116870	64.97043
## 5082	41.2750	47.7	52.463186	68.3486	1.1090	1.1111760	65.59567
## 5084	212.8924	287.6	334.413690	40.6814	1.0500	0.9681678	57.03058
## 5086	202.5812	271.5	316.441010	42.0862	1.0500	1.0034040	57.39911
## 5088	192.2700	256.1	298.468320	43.4910	1.0500	1.0212170	57.75269
## 5090	181.9588	241.7	280.495630	44.8958	1.0500	1.0319890	57.27001
## 5092	171.6476	228.5	262.522950	46.3006	1.0500	1.0270530	56.81228
## 5094	161.9514	216.5	245.707710	49.2698	1.0500	1.0212360	56.03519
## 5096	152.8702	205.1	230.049940	50.4883	1.0500	1.0246240	55.16490
## 5098	143.7890	193.9	214.392160	51.6628	1.0500	1.0293970	54.48564

## 5100	135.8306	182.5	200.957500	52.8169	1.0500	1.0304680	53.82647
## 5102	127.8722	171.1	187.522840	53.9625	1.0500	1.0272770	53.47585
## 5104	120.0856	160.3	174.524460	55.0949	1.0500	1.0257680	53.37511
## 5106	112.4708	150.1	161.962360	56.1923	1.0500	1.0262600	53.56519
## 5108	104.8560	140.8	149.400260	57.2357	1.0500	1.0276330	54.00421
## 5110	99.5704	132.4	140.600960	58.2250	1.0500	1.0300850	54.39260
## 5112	94.2848	124.8	131.801660	59.1634	1.0500	1.0312630	54.96897
## 5114	89.3102	117.5	123.716030	60.0353	1.0500	1.0323750	55.64681
## 5116	84.6466	110.3	116.344080	60.8230	1.0500	1.0322100	56.40482
## 5118	79.9830	103.1	108.972120	61.5384	1.0500	1.0342830	57.32492
## 5120	75.3106	95.9	101.811600	62.2214	1.0500	1.0388680	58.21032
## 5122	70.6382	88.4	94.651076	62.9086	1.0500	1.0437890	59.26063
## 5124	65.8744	80.9	87.477194	63.6163	1.0500	1.0436630	60.27029
## 5126	61.0192	73.6	80.289952	64.3283	1.0500	1.0404470	61.18382
## 5128	56.1640	66.7	73.102710	65.0019	1.0500	1.0366480	62.18585
## 5130	51.7976	60.5	66.886275	65.5822	1.0500	1.0333500	63.13506
## 5132	47.4312	54.9	60.669839	66.0495	1.0500	1.0312340	64.16432
## 5134	43.4944	49.8	55.163170	66.4301	1.0500	1.0340280	64.77298
## 5136	39.9872	45.4	50.366266	66.7888	1.0500	1.0412600	65.03425
## 5138	36.4800	41.4	45.569363	67.1686	1.0500	1.0472420	65.29343
## 5140	33.7588	37.9	41.962057	67.5677	1.0500	1.0518010	65.82780
## 5142	31.0376	34.7	38.354751	67.9576	1.0500	1.0453200	66.10740
## 5144	28.7334	31.7	35.291471	68.3344	1.0500	1.0393260	66.41736
## 5146	26.8462	29.3	32.772217	68.7046	1.0500	1.0408840	66.73114
## 5148	24.9590	27.2	30.252963	69.0717	1.0500	1.0434230	67.13244
## 5150	238.3038	NA	322.895000	38.2524	1.0500	1.0243650	57.93229
## 5152	229.2634	NA	310.641950	39.4192	1.0500	1.0506980	56.89477
## 5154	220.2230	NA	298.388910	40.5860	1.0500	1.0613510	56.12626
## 5156	211.1826	NA	286.135860	41.7528	1.0500	1.0687410	54.70722
## 5158	202.1422	NA	273.882820	42.9196	1.0500	1.0615700	53.70023
## 5160	193.0598	NA	261.468800	45.5090	1.0500	1.0538090	52.79359
## 5162	183.9354	NA	248.893790	46.6181	1.0500	1.0543860	51.95946
## 5164	174.8110	NA	236.318790	47.7281	1.0500	1.0564820	51.73312
## 5166	166.3366	NA	224.255570	48.8927	1.0500	1.0573520	51.75165
## 5168	157.8622	NA	212.192350	50.1583	1.0500	1.0549110	52.29606
## 5170	147.6494	186.6	198.327730	51.6616	1.0500	1.0546490	52.75093
## 5172	135.6982	170.2	182.661710	53.4788	1.0500	1.0554980	53.12429
## 5174	123.7470	153.7	166.995690	55.2125	1.0500	1.0574680	53.47999
## 5176	112.4358	136.4	149.236660	55.8964	1.0500	1.0570900	53.61482
## 5178	101.1246	118.5	131.477620	55.2396	1.0500	1.0559180	53.60067
## 5180	90.6352	101.9	115.599360	54.1279	1.0500	1.0508970	53.11746
## 5182	80.9676	88.2	101.601860	54.0929	1.0500	1.0463100	52.30790
## 5184	71.3000	77.4	87.604357	55.8714	1.0500	1.0443560	51.63562
## 5186	62.7080	68.5	78.678482	59.0503	1.0500	1.0464080	50.92860
## 5188	54.1160	60.8	69.752608	62.4019	1.0500	1.0480660	50.95643
## 5190	47.8176	54.5	62.319859	65.1453	1.0500	1.0487100	51.56228
## 5192	43.8128	49.6	56.380237	67.0782	1.0500	1.0463970	52.53520
## 5194	39.8080	45.3	50.440615	68.3059	1.0500	1.0425190	54.03770
## 5196	36.8164	41.1	46.226424	69.0763	1.0460	1.0391540	56.62064
## 5198	33.8248	36.8	42.012233	69.7660	1.0420	1.0361350	59.38253
## 5200	30.8726	32.7	37.941643	70.5217	1.0406	1.0376480	62.43340
## 5202	27.9598	29.0	34.014652	71.2539	1.0418	1.0436810	65.82557
## 5204	25.0470	25.7	30.087662	71.9317	1.0430	1.0448950	69.04297
## 5206	22.5906	22.8	26.958038	72.6742	1.0458	1.0461720	70.57766

## 5208	20.1342	20.2	23.828415	73.5342	1.0486	1.0366570	71.40832
## 5210	18.0812	18.3	21.259936	74.4126	1.0504	1.0376590	71.70010
## 5212	16.4316	16.8	19.252601	75.1260	1.0512	1.0363460	71.64595
## 5214	14.7820	15.5	17.245266	75.5913	1.0520	1.0350160	71.32817
## 5216	269.5758	343.1	391.398640	32.3510	1.0650	1.0676120	59.09168
## 5218	247.4114	303.1	358.913730	35.1430	1.0650	1.0370490	57.22329
## 5220	225.2470	267.0	326.428820	37.9350	1.0650	1.0290670	56.94295
## 5222	203.0826	235.3	293.943910	40.7270	1.0650	1.0228900	55.95939
## 5224	180.9182	207.9	261.459000	43.5190	1.0650	1.0343100	55.85383
## 5226	161.5812	184.5	233.206710	49.2316	1.0650	1.0489520	55.22408
## 5228	145.0716	164.6	209.187050	51.5894	1.0650	1.0490550	53.55558
## 5230	128.5620	147.7	185.167390	53.8431	1.0650	1.0458280	52.44747
## 5232	113.6924	133.2	163.804730	55.8488	1.0650	1.0469400	51.69331
## 5234	98.8228	120.6	142.442060	57.4923	1.0650	1.0509100	51.57521
## 5236	87.6566	109.7	126.154030	58.8306	1.0650	1.0534990	50.93604
## 5238	80.1938	99.8	114.940640	60.0220	1.0650	1.0542230	50.17348
## 5240	72.7310	90.8	103.727250	60.9961	1.0650	1.0546730	49.53359
## 5242	66.4298	83.0	94.548715	61.2754	1.0650	1.0576670	49.13731
## 5244	60.1286	76.3	85.370183	60.7596	1.0650	1.0585100	48.95158
## 5246	54.2380	70.6	76.470875	60.1049	1.0650	1.0588720	49.01751
## 5248	48.7580	65.7	67.850789	60.2919	1.0650	1.0588220	49.35240
## 5250	43.2780	61.6	59.230704	61.6581	1.0650	1.0589330	49.81704
## 5252	41.9568	58.1	57.357083	63.7006	1.0650	1.0583510	49.94476
## 5254	40.6356	55.3	55.483462	65.5312	1.0650	1.0587820	50.14664
## 5256	39.2938	53.0	53.267327	66.8147	1.0650	1.0591330	50.62107
## 5258	37.9314	51.0	50.708680	67.7488	1.0650	1.0591170	51.40889
## 5260	36.5690	49.1	48.150032	68.4969	1.0650	1.0592250	52.10209
## 5262	36.4210	47.4	47.454997	68.9970	1.0650	1.0592580	52.74164
## 5264	36.2730	45.6	46.759962	69.1934	1.0650	1.0589920	53.26576
## 5266	35.8940	43.8	45.388163	69.0900	1.0650	1.0596730	53.74310
## 5268	35.2840	42.3	43.339602	68.7573	1.0650	1.0606070	54.21381
## 5270	34.6740	40.7	41.291041	68.3817	1.0650	1.0610460	54.61914
## 5272	34.1152	39.1	40.276412	68.1990	1.0650	1.0615710	54.76358
## 5274	33.5564	37.5	39.261784	68.3199	1.0650	1.0619360	54.77962
## 5276	33.0466	35.7	38.504890	68.7097	1.0650	1.0610270	55.03326
## 5278	32.5858	33.9	38.005731	69.1835	1.0650	1.0591120	55.56924
## 5280	32.1250	32.0	37.506572	69.5903	1.0650	1.0578740	55.96189
## 5282	46.2852	51.9	56.325164	64.8572	1.0700	1.0496660	60.25334
## 5284	43.4376	47.1	52.449256	65.7676	1.0700	1.0521790	59.89049
## 5286	40.5900	43.0	48.573347	66.6780	1.0700	1.0521500	59.46878
## 5288	37.7424	39.7	44.697438	67.5884	1.0700	1.0525740	58.87491
## 5290	34.8948	36.8	40.821529	68.4988	1.0700	1.0494600	58.20368
## 5292	32.3190	33.9	37.494489	69.9041	1.0700	1.0492540	57.86297
## 5294	30.0150	31.3	34.716318	70.2498	1.0700	1.0504900	57.87429
## 5296	27.7110	28.6	31.938148	70.5253	1.0700	1.0529620	58.03290
## 5298	25.5686	25.5	29.438867	70.7435	1.0700	1.0568880	58.11936
## 5300	23.4262	23.0	26.939586	70.9151	1.0700	1.0578400	58.32762
## 5302	21.4964	21.7	24.796033	71.0814	1.0700	1.0592500	58.44504
## 5304	19.7792	21.1	23.008209	71.2809	1.0700	1.0589290	58.35501
## 5306	18.0620	20.0	21.220384	71.5463	1.0700	1.0586280	58.37787
## 5308	16.6868	18.0	19.674456	71.9000	1.0700	1.0593130	58.25981
## 5310	15.3116	15.5	18.128528	72.3230	1.0700	1.0594570	58.84263
## 5312	13.6926	13.3	16.308637	72.7778	1.0700	1.0620770	59.06601
## 5314	11.8298	11.7	14.214783	73.2224	1.0700	1.0633080	59.05869



## 5316	9.9670	10.7	12.120929	73.6409	1.0700	1.0628770	59.38202
## 5318	9.3046	10.1	11.278850	74.0633	1.0700	1.0622840	59.99439
## 5320	8.6422	9.6	10.436771	74.5156	1.0700	1.0610730	60.83661
## 5322	7.9642	8.6	9.588639	74.9505	1.0700	1.0614160	62.15686
## 5324	7.2706	7.7	8.734454	75.2964	1.0700	1.0620630	63.48986
## 5326	6.5770	7.3	7.880269	75.5713	1.0700	1.0637780	64.99314
## 5328	6.3758	7.3	7.635306	75.9854	1.0700	1.0642680	66.40583
## 5330	6.1746	7.3	7.390343	76.0829	1.0700	1.0647310	67.66957
## 5332	5.9080	6.9	7.060871	77.1341	1.0700	1.0640710	68.47770
## 5334	5.5760	6.1	6.646888	78.1390	1.0700	1.0621080	69.04232
## 5336	5.2440	5.2	6.232905	78.9439	1.0700	1.0583070	69.26005
## 5338	4.6268	4.6	5.530626	79.6415	1.0660	1.0617540	68.98359
## 5340	4.0096	4.3	4.828347	80.1902	1.0620	1.0592010	68.47301
## 5342	3.6420	4.1	4.373127	80.7463	1.0600	1.0562620	67.50484
## 5344	3.5240	3.8	4.164966	81.0000	1.0600	1.0543850	66.24572
## 5346	3.4060	3.6	3.956805	81.5024	1.0600	1.0550580	65.08106
## 5348	43.6070	NA	55.610281	67.9324	1.0636	1.0645500	63.51551
## 5350	41.2630	NA	52.175568	68.4012	1.0648	1.0593860	61.90168
## 5352	38.9190	NA	48.740856	68.8700	1.0660	1.0603080	60.79116
## 5354	36.5750	NA	45.306143	69.3388	1.0672	1.0606350	59.74304
## 5356	34.2310	NA	41.871431	69.8076	1.0684	1.0636250	59.14513
## 5358	32.1110	NA	38.861909	69.1044	1.0678	1.0652980	58.89655
## 5360	30.2150	NA	36.277577	69.5732	1.0654	1.0618120	58.74363
## 5362	28.3190	NA	33.693245	70.0420	1.0630	1.0585350	59.13595
## 5364	26.7226	NA	31.655033	70.4152	1.0622	1.0588310	59.85677
## 5366	25.1262	NA	29.616821	70.7884	1.0614	1.0589870	60.55476
## 5368	23.5952	NA	27.713720	71.7190	1.0598	1.0583300	60.77630
## 5370	22.1296	NA	25.945731	71.6934	1.0574	1.0556610	60.31240
## 5372	20.6640	26.2	24.177742	72.0451	1.0550	1.0524980	59.66437
## 5374	19.2336	21.8	22.514618	72.9585	1.0542	1.0492630	58.96414
## 5376	17.8032	19.0	20.851494	73.5073	1.0534	1.0495560	58.49673
## 5378	16.4156	17.3	19.250867	74.2610	1.0536	1.0509700	58.28092
## 5380	15.0708	16.0	17.712736	74.4585	1.0548	1.0528230	58.35443
## 5382	13.7260	14.4	16.174606	75.2073	1.0560	1.0539050	58.54973
## 5384	12.5248	13.1	14.810110	75.2585	1.0540	1.0553680	59.06072
## 5386	11.3236	12.1	13.445614	76.3073	1.0520	1.0519930	59.57107
## 5388	10.2762	11.1	12.254527	76.7585	1.0520	1.0492800	60.13790
## 5390	9.3826	9.9	11.236847	77.1537	1.0540	1.0507060	60.77016
## 5392	8.4890	8.7	10.219168	77.4512	1.0560	1.0539190	61.24554
## 5394	7.5622	7.8	9.188828	78.0000	1.0568	1.0548880	61.61634
## 5396	6.6354	7.2	8.158487	78.6585	1.0576	1.0560750	61.78917
## 5398	5.9448	6.6	7.363773	79.4073	1.0572	1.0559240	61.90865
## 5400	5.4904	6.1	6.804684	79.6488	1.0556	1.0546690	62.08471
## 5402	5.0360	5.6	6.245595	80.1512	1.0540	1.0533770	62.11387
## 5404	4.6092	5.1	5.742791	80.5049	1.0536	1.0516610	62.34648
## 5406	4.1824	4.7	5.239987	81.4049	1.0532	1.0511280	62.39846
## 5408	3.8614	4.4	4.840145	81.6561	1.0534	1.0524570	62.09176
## 5410	3.6462	4.2	4.543264	82.0561	1.0542	1.0544620	61.47352
## 5412	3.4310	4.0	4.246383	82.0512	1.0550	1.0559620	60.91270
## 5414	68.0026	81.8	86.091383	64.5954	1.0630	1.0481110	65.32522
## 5416	63.5538	69.8	79.683369	65.4302	1.0630	1.0494990	65.90014
## 5418	59.1050	61.9	73.275355	66.2650	1.0630	1.0505340	66.00898
## 5420	54.6562	57.4	66.867341	67.0998	1.0630	1.0496100	65.92727
## 5422	50.2074	54.0	60.459327	67.9346	1.0630	1.0468340	65.54732

## 5424	46.4216	49.8	55.146515	69.7602	1.0630	1.0485900	65.36910
## 5426	43.2988	45.4	50.928907	69.2480	1.0630	1.0506230	65.38242
## 5428	40.1760	41.1	46.711298	70.1717	1.0630	1.0521940	65.27770
## 5430	37.1036	37.8	42.816225	70.9566	1.0630	1.0539940	64.89780
## 5432	34.0312	35.1	38.921153	70.8120	1.0630	1.0532970	64.48457
## 5434	31.1654	31.8	35.365715	71.8068	1.0630	1.0535370	64.10970
## 5436	28.5062	27.6	32.149912	72.0263	1.0630	1.0550500	63.79979
## 5438	25.8470	23.1	28.934109	72.6473	1.0630	1.0560680	63.71499
## 5440	22.3746	19.5	25.090710	73.3646	1.0630	1.0570180	63.78191
## 5442	18.9022	17.0	21.247311	74.0027	1.0630	1.0569690	64.29462
## 5444	16.2170	15.2	18.287652	74.3539	1.0630	1.0569920	65.27350
## 5446	14.3190	13.5	16.211731	74.6402	1.0630	1.0575910	66.60264
## 5448	12.4210	12.0	14.135811	75.4707	1.0630	1.0582480	67.79182
## 5450	11.1702	10.8	12.715254	76.2195	1.0630	1.0598660	68.32804
## 5452	9.9194	10.0	11.294697	76.8195	1.0630	1.0599340	68.61589
## 5454	8.9212	9.3	10.212606	77.0195	1.0630	1.0598520	68.72699
## 5456	8.1756	8.5	9.468979	77.7220	1.0630	1.0603710	68.65915
## 5458	7.4300	7.5	8.725353	78.1707	1.0630	1.0609840	68.49440
## 5460	6.6508	6.6	7.817916	78.8244	1.0630	1.0599560	68.19879
## 5462	5.8716	5.9	6.910479	79.4244	1.0630	1.0595300	67.83028
## 5464	5.2124	5.2	6.139887	80.1268	1.0630	1.0600380	67.39017
## 5466	4.6732	4.7	5.506139	79.9829	1.0630	1.0593770	66.87183
## 5468	4.1340	4.4	4.872391	80.7829	1.0630	1.0579950	66.42004
## 5470	3.8520	4.2	4.541242	81.4341	1.0630	1.0589950	66.04721
## 5472	3.5700	4.1	4.210092	81.6366	1.0630	1.0595170	65.74739
## 5474	3.3504	3.9	3.949332	82.1878	1.0630	1.0605450	65.22898
## 5476	3.1932	3.7	3.758961	82.6902	1.0630	1.0609800	64.54635
## 5478	3.0360	3.5	3.568589	83.4902	1.0630	1.0623880	63.88006
## 5480	101.3260	NA	133.116160	55.3062	1.0500	1.0210550	59.91649
## 5482	95.6580	117.4	125.314100	56.9506	1.0500	1.0226290	59.51904
## 5484	89.9900	106.8	117.512030	58.5950	1.0500	1.0163180	58.78159
## 5486	84.3220	97.1	109.709970	60.2394	1.0500	1.0232740	57.07039
## 5488	78.6540	88.3	101.907900	61.8838	1.0500	1.0288190	54.99690
## 5490	72.4126	80.8	93.315503	64.8760	1.0500	1.0204220	53.44619
## 5492	65.5978	74.5	83.932766	65.8714	1.0500	1.0043640	52.07724
## 5494	58.7830	69.2	74.550030	66.6998	1.0500	1.0029010	51.10607
## 5496	54.8146	64.5	69.169725	67.3824	1.0500	0.9930791	49.39159
## 5498	50.8462	60.0	63.789421	67.9699	1.0500	1.0152320	47.86371
## 5500	47.5188	55.5	59.362872	68.5401	1.0500	1.0294700	47.31579
## 5502	44.8324	51.2	55.890077	69.1519	1.0500	1.0326910	47.80612
## 5504	42.1460	47.6	52.417283	69.8177	1.0500	1.0322980	48.83490
## 5506	38.4784	44.5	47.619496	70.5151	1.0500	1.0314470	51.16167
## 5508	34.8108	41.9	42.821709	71.1660	1.0500	1.0322230	52.45979
## 5510	32.4650	39.5	39.539901	71.6810	1.0500	1.0375250	53.56322
## 5512	31.4410	37.3	37.774074	72.0016	1.0500	1.0453560	54.53333
## 5514	30.4170	35.3	36.008247	72.1302	1.0500	1.0464110	55.66609
## 5516	28.6198	33.3	33.985973	72.1154	1.0500	1.0419820	56.53470
## 5518	26.8226	31.5	31.963699	72.0489	1.0500	1.0348560	57.31759
## 5520	25.2670	29.6	30.198632	71.9875	1.0500	1.0335040	57.76113
## 5522	23.9530	27.8	28.690773	71.9437	1.0500	1.0361310	58.30606
## 5524	22.6390	26.0	27.182913	71.9424	1.0500	1.0414950	58.73845
## 5526	22.2098	24.3	26.689443	72.0157	1.0500	1.0474890	59.02997
## 5528	21.7806	22.7	26.195973	72.1847	1.0500	1.0479250	59.49612
## 5530	21.2462	21.4	25.554259	72.4770	1.0500	1.0449660	59.93125

## 5532	20.6066	20.4	24.764299	72.9029	1.0500	1.0446070	60.71698
## 5534	19.9670	19.7	23.974340	73.4280	1.0500	1.0453970	61.61314
## 5536	19.1354	19.2	22.852418	74.0093	1.0500	1.0389850	62.55083
## 5538	18.3038	18.5	21.730496	74.5840	1.0500	1.0335730	63.86955
## 5540	17.3174	17.6	20.508907	75.0862	1.0500	1.0326990	65.05630
## 5542	16.1762	16.7	19.187653	75.4882	1.0500	1.0433290	66.35413
## 5544	15.0350	15.7	17.866399	75.7982	1.0500	1.0539150	67.23953
## 5546	56.9044	82.6	90.942146	58.8990	1.0560	1.0454580	59.85799
## 5548	52.2892	68.4	81.572209	60.5330	1.0560	1.0486290	60.58024
## 5550	47.6740	58.0	72.202272	62.1670	1.0560	1.0493000	61.22073
## 5552	43.0588	50.3	62.832335	63.8010	1.0560	1.0495630	62.33224
## 5554	38.4436	43.3	53.462397	65.4350	1.0560	1.0493960	63.40503
## 5556	33.8522	36.2	45.367969	68.3100	1.0560	1.0485860	64.86643
## 5558	29.2846	29.7	38.549050	69.6581	1.0560	1.0489990	66.55080
## 5560	24.7170	24.6	31.730132	70.2020	1.0560	1.0498080	67.95525
## 5562	21.1998	21.0	27.253702	71.2766	1.0560	1.0517590	68.60627
## 5564	17.6826	18.5	22.777272	71.8388	1.0560	1.0513230	68.88902
## 5566	15.0592	16.5	19.515096	72.8829	1.0560	1.0507980	68.76254
## 5568	13.3296	14.9	17.467173	73.7576	1.0560	1.0515920	68.22808
## 5570	11.6000	13.3	15.419250	75.0573	1.0560	1.0524390	67.78275
## 5572	10.3528	11.8	13.792518	75.8983	1.0560	1.0536800	67.36831
## 5574	9.1056	10.5	12.165787	76.3376	1.0560	1.0536040	67.40062
## 5576	8.0702	9.3	10.811324	76.4144	1.0560	1.0539570	67.60542
## 5578	7.2466	8.3	9.729129	76.9615	1.0560	1.0542520	67.75761
## 5580	6.4230	7.5	8.646934	77.6505	1.0560	1.0543620	68.17765
## 5582	5.7958	6.8	7.868856	78.4837	1.0560	1.0545420	68.76270
## 5584	5.1686	6.4	7.090778	78.8180	1.0560	1.0548490	69.52992
## 5586	4.7640	6.2	6.576836	79.1007	1.0560	1.0552030	69.89234
## 5588	4.5820	6.0	6.327028	79.2937	1.0560	1.0552570	69.84344
## 5590	4.4000	5.7	6.077221	79.5363	1.0560	1.0550450	69.56372
## 5592	4.1048	5.2	5.681544	80.4241	1.0560	1.0551950	69.10226
## 5594	3.8096	4.7	5.285867	80.5707	1.0560	1.0552100	68.51874
## 5596	3.5256	4.3	4.879534	81.4171	1.0560	1.0553400	67.85711
## 5598	3.2528	4.0	4.462543	81.7600	1.0560	1.0553610	67.15933
## 5600	2.9800	3.7	4.045553	81.9251	1.0560	1.0554920	66.35113
## 5602	2.8080	3.5	3.813950	82.5071	1.0560	1.0553710	65.46405
## 5604	2.6360	3.3	3.582348	82.9315	1.0560	1.0552970	64.38853
## 5606	2.4796	3.4	3.384551	82.5912	1.0560	1.0552960	63.19301
## 5608	2.3388	2.9	3.220559	83.3320	1.0560	1.0551380	61.95692
## 5610	2.1980	2.7	3.056567	83.8437	1.0560	1.0555600	60.80238
## 5612	169.4894	260.9	280.817410	43.1538	1.0540	1.1455420	49.50298
## 5614	158.4142	234.3	259.479350	44.8194	1.0540	1.1442060	50.08696
## 5616	147.3390	209.7	238.141280	46.4850	1.0540	1.1370640	51.08359
## 5618	136.2638	186.6	216.803220	48.1506	1.0540	1.1175040	51.69147
## 5620	125.1886	165.9	195.465150	49.8162	1.0540	1.1160010	52.07592
## 5622	114.8284	147.3	175.906450	53.4715	1.0540	1.1004710	52.04741
## 5624	105.1832	131.0	158.127100	55.0252	1.0540	1.0856400	51.54845
## 5626	95.5380	117.1	140.347760	56.5522	1.0540	1.0735650	51.33929
## 5628	88.2812	105.1	127.373520	58.0440	1.0540	1.0668670	50.90909
## 5630	81.0244	94.7	114.399270	59.4877	1.0540	1.0651090	50.77220
## 5632	75.0586	85.7	103.606350	60.8813	1.0540	1.0628200	50.43128
## 5634	70.3838	77.7	94.994741	62.2284	1.0540	1.0580560	49.78655
## 5636	65.7090	70.6	86.383137	63.5128	1.0540	1.0588430	49.64753
## 5638	61.0306	64.2	78.777851	64.6936	1.0540	1.0638070	48.35007

## 5640	56.3522	58.5	71.172564	65.7493	1.0540	1.0703770	47.84971
## 5642	51.7522	53.4	64.270450	66.6880	1.0540	1.0686710	48.22485
## 5644	47.2306	48.7	58.071506	67.5457	1.0540	1.0660500	48.55919
## 5646	42.7090	44.6	51.872563	68.3384	1.0540	1.0605700	49.28109
## 5648	39.2118	40.9	47.196775	69.0497	1.0540	1.0649860	49.59759
## 5650	35.7146	37.9	42.520986	69.6574	1.0540	1.0637860	50.24922
## 5652	32.9838	35.4	38.983353	70.1573	1.0540	1.0595820	51.85081
## 5654	31.0194	33.3	36.583875	70.5688	1.0540	1.0576650	54.08137
## 5656	29.0550	31.5	34.184397	70.9257	1.0540	1.0542250	56.35270
## 5658	27.6638	29.9	32.512030	71.2636	1.0540	1.0526880	56.69967
## 5660	26.2726	28.4	30.839664	71.6051	1.0540	1.0502570	57.22506
## 5662	24.9408	26.9	29.232416	71.9564	1.0540	1.0503340	57.81443
## 5664	23.6684	25.5	27.690286	72.3046	1.0540	1.0523560	58.38953
## 5666	22.3960	24.1	26.148156	72.6389	1.0540	1.0507540	58.91618
## 5668	21.3108	22.7	24.807750	72.9612	1.0540	1.0459860	59.22903
## 5670	20.2256	21.5	23.467345	73.2783	1.0540	1.0421490	59.43833
## 5672	19.1598	20.2	22.198175	73.5919	1.0540	1.0397420	59.78406
## 5674	18.1134	19.0	21.000240	73.9000	1.0540	1.0388130	60.14694
## 5676	17.0670	17.9	19.802306	74.2033	1.0540	1.0406840	60.69783
## 5678	116.6448	NA	155.385630	53.2984	1.0650	1.0792710	59.31782
## 5680	113.3264	NA	149.834470	54.1912	1.0650	1.0847790	61.38600
## 5682	110.0080	NA	144.283310	55.0840	1.0650	1.0737680	61.87437
## 5684	106.6896	NA	138.732140	55.9768	1.0650	1.0594050	60.76440
## 5686	103.3712	NA	133.180980	56.8696	1.0650	1.0476740	58.81002
## 5688	100.0544	NA	127.799160	58.7816	1.0650	1.0373210	57.34319
## 5690	96.7392	NA	122.586680	59.6186	1.0650	1.0354490	56.27899
## 5692	93.4240	NA	117.374210	60.4490	1.0650	1.0357090	55.84852
## 5694	90.1096	NA	112.391910	61.2395	1.0650	1.0347200	55.89723
## 5696	86.7952	NA	107.409620	61.9565	1.0650	1.0293330	56.62557
## 5698	83.4816	84.5	102.781970	62.5650	1.0650	1.0293360	57.66604
## 5700	80.1688	80.8	98.508967	63.0604	1.0650	1.0396880	58.61392
## 5702	76.8560	77.8	94.235966	63.4924	1.0650	1.0487250	59.69157
## 5704	73.5412	75.0	90.394272	63.9406	1.0650	1.0557840	60.46608
## 5706	70.2264	72.0	86.552579	64.4667	1.0650	1.0508790	61.29251
## 5708	66.9116	68.1	82.504317	66.7061	1.0650	1.0467720	61.81541
## 5710	63.5968	63.6	78.249486	67.6622	1.0650	1.0494730	62.11168
## 5712	60.2820	59.4	73.994656	68.5366	1.0650	1.0511510	62.26869
## 5714	56.9632	55.8	69.833547	69.2902	1.0630	1.0456260	62.48144
## 5716	53.6444	53.3	65.672438	68.2902	1.0610	1.0336880	62.60701
## 5718	51.7946	52.4	62.976361	67.9829	1.0600	1.0284490	62.54693
## 5720	51.4138	52.9	61.745317	66.7268	1.0600	1.0366390	62.61889
## 5722	51.0330	52.7	60.514273	64.9195	1.0600	1.0478590	63.07924
## 5724	47.9990	50.1	57.889199	64.4634	1.0612	1.0624220	64.03078
## 5726	44.9650	45.9	55.264125	65.5195	1.0624	1.0587580	65.09296
## 5728	41.1630	41.2	50.858649	65.7683	1.0618	1.0530570	66.04430
## 5730	36.5930	36.8	44.672773	65.8659	1.0594	1.0504580	66.83400
## 5732	32.0230	32.5	38.486896	65.9098	1.0570	1.0514230	67.69350
## 5734	28.7582	28.1	33.953330	66.5049	1.0582	1.0569470	68.38464
## 5736	25.4934	23.7	29.419764	68.4293	1.0594	1.0581900	68.94838
## 5738	21.9128	19.6	25.214277	68.9800	1.0602	1.0600050	68.67827
## 5740	18.0164	16.4	21.336867	70.4500	1.0606	1.0597010	67.70175
## 5742	14.1200	14.1	17.459457	72.0000	1.0610	1.0582970	66.55887
## 5744	157.6880	NA	266.197090	40.3612	1.0300	1.0044680	55.64813
## 5746	152.3500	287.2	257.208990	41.3316	1.0300	0.9987271	54.49719

## 5748	147.0120	256.5	248.220900	42.3020	1.0300	0.9973639	53.38109
## 5750	141.6740	230.4	239.232810	43.2724	1.0300	0.9980313	51.75628
## 5752	136.3360	208.6	230.244720	44.2428	1.0300	1.0006940	50.38168
## 5754	130.3274	190.6	219.784980	47.0130	1.0300	1.0029200	49.27051
## 5756	123.6482	176.7	207.853580	48.2698	1.0300	1.0017110	48.43960
## 5758	116.9690	166.6	195.922180	49.4288	1.0300	1.0004360	48.00631
## 5760	111.9418	159.0	186.338570	50.5327	1.0300	1.0012720	47.57731
## 5762	106.9146	152.0	176.754960	51.6589	1.0300	1.0033850	47.49724
## 5764	101.8174	144.7	167.169420	52.8087	1.0300	1.0059110	47.36662
## 5766	96.6502	137.2	157.581940	53.9342	1.0300	1.0068590	47.16680
## 5768	91.4830	129.0	147.994460	55.0191	1.0300	1.0077460	47.10070
## 5770	87.0426	120.5	139.948580	56.1338	1.0300	1.0093370	46.95395
## 5772	82.6022	112.4	131.902700	57.2801	1.0300	1.0108350	46.96080
## 5774	78.4116	105.3	124.305060	58.3475	1.0300	1.0127970	46.96486
## 5776	74.4708	99.8	117.155670	59.1683	1.0300	1.0142350	46.98756
## 5778	70.5300	96.8	110.006280	59.5970	1.0300	1.0150330	47.18987
## 5780	69.8468	96.7	108.540750	59.5984	1.0300	1.0159640	47.43141
## 5782	69.1636	99.8	107.075220	59.1952	1.0300	1.0156510	47.95747
## 5784	69.2956	105.2	106.705590	58.2290	1.0300	1.0156810	48.67541
## 5786	70.2428	111.1	107.431840	56.5592	1.0300	1.0158200	49.70378
## 5788	71.1900	114.8	108.158100	54.4577	1.0300	1.0158240	50.86399
## 5790	70.8380	114.9	107.450280	52.4375	1.0300	1.0163840	51.65898
## 5792	70.4860	111.0	106.742470	51.0714	1.0300	1.0163210	52.44381
## 5794	68.6920	104.1	104.018160	50.8241	1.0300	1.0166080	53.18081
## 5796	65.4560	95.4	99.277369	51.7487	1.0300	1.0167630	53.81658
## 5798	62.2200	85.5	94.536577	53.5198	1.0300	1.0173950	54.33817
## 5800	57.1008	76.1	85.925947	55.6993	1.0300	1.0189970	54.53813
## 5802	51.9816	65.8	77.315316	57.8004	1.0300	1.0202250	54.67023
## 5804	47.4092	58.5	69.450870	59.5342	1.0300	1.0212460	54.80686
## 5806	43.3836	53.4	62.332607	60.9538	1.0300	1.0212250	54.98821
## 5808	39.3580	49.4	55.214344	62.1337	1.0300	1.0208680	55.28990
## 5810	149.9248	NA	224.506790	45.0890	1.0500	1.0202580	55.22943
## 5812	146.1704	NA	218.525550	45.7330	1.0500	1.0172070	54.84802
## 5814	142.4160	NA	212.544300	46.3770	1.0500	1.0151750	54.00989
## 5816	138.6616	NA	206.563060	47.0210	1.0500	1.0153580	52.69897
## 5818	134.9072	NA	200.581810	47.6650	1.0500	1.0181330	51.43276
## 5820	130.0806	NA	192.667240	49.7437	1.0500	1.0200360	50.54305
## 5822	124.1818	180.5	182.819340	50.7978	1.0500	1.0204880	50.12395
## 5824	118.2830	167.0	172.971440	51.8085	1.0500	1.0206830	50.19912
## 5826	113.1446	154.8	164.705140	52.8147	1.0500	1.0216500	50.43559
## 5828	108.0062	144.4	156.438840	53.8476	1.0500	1.0235380	51.16792
## 5830	102.8524	136.0	148.199430	54.8237	1.0500	1.0249940	52.30296
## 5832	97.6832	129.8	139.986890	55.6223	1.0500	1.0268310	53.64238
## 5834	92.5140	126.0	131.774360	56.1867	1.0500	1.0269980	55.02909
## 5836	90.3320	124.0	128.329110	56.5281	1.0500	1.0265810	56.15242
## 5838	88.1500	122.9	124.883860	56.7694	1.0500	1.0255200	56.88185
## 5840	86.4100	121.7	122.130640	57.0464	1.0540	1.0288750	57.04142
## 5842	85.1120	119.3	120.069460	57.4629	1.0620	1.0383800	57.21503
## 5844	83.8140	114.9	118.008280	58.0749	1.0700	1.0474630	57.16027
## 5846	80.3892	108.3	112.685690	58.9026	1.0700	1.0576620	57.06342
## 5848	76.9644	100.1	107.363100	59.8583	1.0700	1.0574690	56.43566
## 5850	73.0446	92.2	101.216910	60.8346	1.0700	1.0735550	55.84005
## 5852	68.6298	86.2	94.247115	61.7373	1.0700	1.0768290	55.43435
## 5854	64.2150	81.6	87.277325	62.5057	1.0700	1.0658150	55.41832

## 5856	61.2370	77.3	82.494645	63.1446	1.0700	1.0496200	55.65158
## 5858	58.2590	72.8	77.711966	63.7026	1.0700	1.0341390	56.20533
## 5860	55.7292	68.5	73.737440	64.1721	1.0700	1.0195090	57.01507
## 5862	53.6476	65.7	70.571067	64.5271	1.0700	1.0375980	58.45745
## 5864	51.5660	64.8	67.404695	64.7824	1.0700	1.0590250	59.53492
## 5866	50.6624	64.8	66.029177	64.9808	1.0700	1.0775960	60.33641
## 5868	49.7588	63.9	64.653658	65.1834	1.0700	1.0449330	60.12867
## 5870	48.8240	61.7	63.227294	65.4406	1.0700	1.0246960	60.28645
## 5872	47.8580	58.9	61.750084	65.7666	1.0700	1.0308680	61.03331
## 5874	46.8920	55.9	60.272873	66.1479	1.0700	1.0413780	61.34955
## 5876	153.5342	NA	262.177830	27.7586	1.0500	0.9684336	54.06381
## 5878	137.8646	NA	231.622450	32.6738	1.0500	0.9522522	56.73396
## 5880	122.1950	NA	201.067060	37.5890	1.0500	0.9637618	57.90622
## 5882	106.5254	NA	170.511680	42.5042	1.0500	0.9930916	59.07281
## 5884	90.8558	NA	139.956300	47.4194	1.0500	1.0105950	58.61821
## 5886	82.3442	NA	123.321670	51.4382	1.0500	1.0171810	58.42263
## 5888	80.9906	NA	120.607790	52.3450	1.0500	1.0200230	59.94530
## 5890	79.6370	NA	117.893920	53.9669	1.0500	1.0216210	60.06535
## 5892	71.0290	NA	103.795880	56.1737	1.0500	1.0272980	58.81107
## 5894	62.4210	NA	89.697852	58.3194	1.0500	1.0311150	55.69991
## 5896	55.5462	NA	78.470448	60.1648	1.0500	1.0337940	54.56387
## 5898	50.4046	NA	70.113673	61.7606	1.0500	1.0369820	55.65596
## 5900	45.2630	NA	61.756899	63.1649	1.0500	1.0394450	57.02611
## 5902	41.6838	NA	56.225334	64.3520	1.0500	1.0420640	58.21946
## 5904	38.1046	NA	50.693770	65.3272	1.0500	1.0429750	59.36680
## 5906	35.2752	NA	46.380458	66.1252	1.0500	1.0445470	61.34249
## 5908	33.1956	NA	43.285399	66.7974	1.0500	1.0450280	63.09367
## 5910	31.1160	35.1	40.190340	67.4272	1.0500	1.0457340	65.14006
## 5912	29.6240	35.2	38.028124	68.2188	1.0500	1.0455960	66.61495
## 5914	28.1320	39.5	35.865907	69.0735	1.0500	1.0470750	68.53983
## 5916	30.3306	48.6	39.101503	69.3253	1.0500	1.0477000	69.16626
## 5918	36.2198	61.3	47.734911	68.2303	1.0500	1.0466170	68.44617
## 5920	42.1090	72.8	56.368319	66.1173	1.0500	1.0454990	67.81842
## 5922	48.3878	75.7	65.879043	64.4419	1.0500	1.0470210	67.63185
## 5924	54.6666	67.4	75.389767	64.3953	1.0500	1.0507200	67.99311
## 5926	51.9416	52.0	71.378193	65.8037	1.0500	1.0525540	68.07273
## 5928	40.2128	38.7	53.844319	67.3547	1.0500	1.0482040	67.86217
## 5930	28.4840	32.7	36.310445	68.1570	1.0500	1.0436940	67.83690
## 5932	28.0064	32.4	35.625651	68.3762	1.0500	1.0402600	67.97445
## 5934	27.5288	32.1	34.940856	68.6640	1.0500	1.0438820	68.39406
## 5936	25.5392	30.1	32.551343	69.1879	1.0500	1.0477380	68.70331
## 5938	22.0376	27.4	28.457111	69.7920	1.0500	1.0482170	68.84640
## 5940	18.5360	24.9	24.362879	70.3379	1.0500	1.0475820	69.28765
## 5942	156.8826	330.5	221.176530	45.2784	1.0790	1.0909110	54.68297
## 5944	147.4338	238.6	207.731650	46.6012	1.0770	1.0576490	55.52830
## 5946	137.9850	179.0	194.286760	47.9240	1.0750	1.0434180	56.31141
## 5948	128.5362	142.5	180.841880	49.2468	1.0730	1.0426250	56.60244
## 5950	119.0874	120.7	167.397000	50.5696	1.0710	1.0537750	56.00099
## 5952	109.4344	106.5	153.632730	53.7362	1.0700	1.0568050	55.34330
## 5954	99.5772	95.1	139.549060	55.2459	1.0700	1.0568730	54.57024
## 5956	89.7200	83.8	125.465390	56.8212	1.0700	1.0549150	53.60476
## 5958	79.5096	71.7	110.682300	58.5300	1.0700	1.0586280	54.01763
## 5960	69.2992	59.0	95.899207	60.3317	1.0700	1.0600270	54.25484
## 5962	59.1040	46.8	80.992451	62.4437	1.0700	1.0628650	55.19820

## 5964	48.9240	35.9	65.962029	63.2295	1.0700	1.0662240	56.77284
## 5966	38.7440	27.1	50.931607	63.9559	1.0700	1.0690490	58.36142
## 5968	36.6852	20.4	48.248980	64.6476	1.0700	1.0698640	60.06084
## 5970	34.6264	15.9	45.566353	65.2946	1.0700	1.0698080	61.60373
## 5972	31.9102	13.1	42.018708	66.3093	1.0700	1.0678080	63.06839
## 5974	28.5366	11.4	37.606045	67.2393	1.0700	1.0645700	64.32207
## 5976	25.1630	10.0	33.193383	68.5329	1.0700	1.0695030	65.60170
## 5978	21.3638	8.6	28.198007	69.8093	1.0980	1.0851940	67.08185
## 5980	17.5646	7.5	23.202631	70.8595	1.1260	1.1231760	68.78276
## 5982	14.5876	6.8	19.286391	71.7302	1.1400	1.1613140	70.04313
## 5984	12.4328	6.1	16.449288	72.6820	1.1400	1.1570730	70.59866
## 5986	10.2780	5.5	13.612186	73.3944	1.1400	1.1382530	71.12400
## 5988	8.9252	5.3	11.800397	74.2478	1.1240	1.1142150	71.30112
## 5990	7.5724	5.8	9.988609	75.3734	1.1080	1.1034370	71.73260
## 5992	6.5196	6.4	8.569401	76.3419	1.1000	1.0912940	71.77855
## 5994	5.7668	6.4	7.542774	77.2502	1.1000	1.0944070	71.79814
## 5996	5.0140	5.6	6.516147	78.4327	1.1000	1.0986720	72.26820
## 5998	4.4112	4.8	5.725284	79.3495	1.0880	1.1013550	72.16471
## 6000	3.8084	4.3	4.934421	80.2973	1.0760	1.0762280	72.40560
## 6002	3.4012	4.0	4.377590	80.9671	1.0700	1.0589380	72.77792
## 6004	3.1896	3.7	4.054791	81.7051	1.0700	1.0614460	73.01342
## 6006	2.9780	3.4	3.731991	82.1559	1.0700	1.0694210	72.87694
## 6008	147.7368	NA	234.276400	49.6588	1.0350	1.0048550	60.12270
## 6010	135.7544	NA	213.648270	51.5444	1.0350	0.9483230	59.89011
## 6012	123.7720	NA	193.020140	53.4300	1.0350	1.0237410	60.51282
## 6014	111.7896	NA	172.392010	55.3156	1.0350	1.0283320	63.63636
## 6016	99.8072	157.8	151.763880	57.2012	1.0350	1.0405850	62.86920
## 6018	89.1910	136.6	133.563140	61.1443	1.0356	1.0583370	61.69492
## 6020	79.9410	117.9	117.789780	62.5121	1.0368	1.1238500	61.67979
## 6022	70.6910	101.1	102.016420	63.7258	1.0380	1.1006340	61.20332
## 6024	63.9878	87.0	90.846517	64.7998	1.0388	1.0820630	57.84983
## 6026	57.2846	75.8	79.676612	65.7575	1.0396	1.0079950	55.47550
## 6028	51.4532	66.5	70.191230	66.6164	1.0400	0.9720023	53.71287
## 6030	46.4936	58.4	62.390369	67.3848	1.0400	0.9875845	52.96656
## 6032	41.5340	51.4	54.589508	68.0868	1.0400	1.0368950	53.18744
## 6034	38.1496	45.1	49.543941	68.7583	1.0400	1.0368960	54.86876
## 6036	34.7652	39.1	44.498374	69.4172	1.0400	1.0244550	57.11027
## 6038	31.2392	33.2	39.588677	70.0668	1.0400	0.9977069	58.95317
## 6040	27.5716	27.4	34.814852	70.6875	1.0400	1.0056460	60.42848
## 6042	23.9040	23.1	30.041026	71.2485	1.0400	1.0180650	62.07493
## 6044	20.8508	20.6	26.335208	71.7278	1.0400	1.0423810	62.09593
## 6046	17.7976	18.8	22.629390	72.1177	1.0400	1.0285580	62.95034
## 6048	15.5540	19.9	19.927904	72.4268	1.0400	1.0260660	65.12207
## 6050	14.1200	15.7	18.230749	72.6755	1.0400	1.0620240	67.33668
## 6052	12.6860	14.7	16.533593	72.8881	1.0400	1.0831880	68.23458
## 6054	11.9640	13.8	15.650174	73.0750	1.0408	1.1617500	69.21708
## 6056	11.2420	12.9	14.766755	73.2389	1.0416	1.0710440	69.94064
## 6058	10.7500	12.5	14.119481	73.3857	1.0426	1.0021310	70.65327
## 6060	10.4880	12.1	13.708351	73.5181	1.0438	1.0091400	71.42176
## 6062	10.2260	11.7	13.297221	73.6514	1.0450	1.0308350	71.58639
## 6064	9.9956	11.5	12.961213	73.8100	1.0450	1.0664280	73.01024
## 6066	9.7652	11.1	12.625206	74.0062	1.0450	1.0503350	74.00208
## 6068	9.3904	10.3	12.100920	74.2335	1.0450	1.0474050	74.62180
## 6070	8.8712	9.4	11.388355	74.4697	1.0450	1.0467910	75.31998

## 6072	8.3520	8.6	10.675790	74.6979	1.0450	1.0479660	75.66804
## 6074	148.0002	NA	187.008280	51.0114	1.0560	0.9214325	62.84742
## 6076	144.0006	NA	180.945140	51.9182	1.0560	0.9900070	63.12329
## 6078	140.0010	NA	174.882000	52.8250	1.0560	1.0229730	62.30284
## 6080	136.0014	NA	168.818860	53.7318	1.0560	1.0496060	60.38114
## 6082	132.0018	NA	162.755720	54.6386	1.0560	1.0301770	57.71239
## 6084	128.0002	NA	156.719950	56.5641	1.0560	1.0159560	55.54566
## 6086	123.9966	NA	150.711540	57.4432	1.0560	1.0205270	53.38596
## 6088	119.9930	NA	144.703140	58.3153	1.0560	1.0290050	52.07928
## 6090	115.9930	NA	139.101080	59.1463	1.0560	1.0313130	51.59049
## 6092	111.9930	NA	133.499020	59.9039	1.0560	1.0301540	51.81598
## 6094	107.9926	NA	128.228440	60.5544	1.0560	1.0303700	52.53623
## 6096	103.9918	NA	123.289330	61.0929	1.0560	1.0318330	53.24921
## 6098	99.9910	112.6	118.350220	61.5649	1.0560	1.0329190	54.22855
## 6100	95.9934	107.6	113.831350	62.0401	1.0560	1.0352830	55.39988
## 6102	91.9958	102.4	109.312490	62.5858	1.0560	1.0344890	56.57673
## 6104	87.9974	96.0	104.614510	63.2636	1.0560	1.0340430	57.43243
## 6106	83.9982	87.9	99.737431	64.0775	1.0560	1.0348850	57.70628
## 6108	79.9990	79.1	94.860348	64.9190	1.0560	1.0365090	57.79771
## 6110	76.0006	71.4	89.797826	65.6112	1.0540	1.0350460	57.58373
## 6112	72.0022	66.2	84.735303	67.9073	1.0520	1.0337180	57.48904
## 6114	67.9758	64.7	80.230371	68.5512	1.0516	1.0357940	57.20396
## 6116	63.9214	64.1	76.283028	67.1927	1.0528	1.0379570	56.93366
## 6118	59.8670	61.3	72.335685	65.7902	1.0540	1.0405680	56.93447
## 6120	55.2366	56.3	66.765653	66.8927	1.0584	1.0461020	57.78247
## 6122	50.6062	51.1	61.195620	68.6561	1.0628	1.0523250	58.88843
## 6124	46.1902	46.4	55.531538	68.7073	1.0620	1.0547260	60.12405
## 6126	41.9886	42.5	49.773407	68.2561	1.0560	1.0517030	61.55217
## 6128	37.7870	39.3	44.015276	67.9561	1.0500	1.0449470	63.32356
## 6130	34.7750	36.3	40.270575	67.8951	1.0540	1.0425250	64.54389
## 6132	31.7630	32.3	36.525875	69.1024	1.0580	1.0409610	65.35960
## 6134	28.1162	27.8	32.321140	69.6024	1.0596	1.0436710	65.48434
## 6136	23.8346	24.0	27.656372	70.2024	1.0588	1.0490310	65.05395
## 6138	19.5530	21.3	22.991603	70.6512	1.0580	1.0528950	64.37710
## 6140	184.8202	NA	276.047860	39.7260	1.0500	0.9509118	56.99362
## 6142	180.8066	NA	270.167450	40.3280	1.0500	0.9878665	56.56510
## 6144	176.7930	NA	264.287040	40.9300	1.0500	1.0073180	56.24339
## 6146	172.7794	NA	258.406630	41.5320	1.0500	1.0242040	55.78575
## 6148	168.7658	NA	252.526220	42.1340	1.0500	1.0148900	55.35714
## 6150	164.7752	NA	246.596970	43.5070	1.0500	1.0058710	55.09451
## 6152	160.8076	NA	240.618890	44.1093	1.0500	1.0096880	54.88556
## 6154	156.8400	NA	234.640800	44.7096	1.0500	1.0173480	54.97690
## 6156	153.0680	NA	228.976800	45.3169	1.0500	1.0216500	54.58918
## 6158	149.2960	NA	223.312800	45.9355	1.0500	1.0214850	54.73644
## 6160	145.5526	NA	217.575370	46.5496	1.0500	1.0229720	54.63768
## 6162	141.8378	NA	211.764520	47.1358	1.0500	1.0244730	54.38957
## 6164	138.1230	NA	205.953660	47.6892	1.0500	1.0260270	54.39633
## 6166	135.0122	NA	200.906020	48.2084	1.0500	1.0280440	53.30565
## 6168	131.9014	204.2	195.858390	48.7355	1.0500	1.0299640	52.49844
## 6170	128.6688	196.6	190.565860	49.3447	1.0500	1.0310760	51.95901
## 6172	125.3144	189.2	185.028440	50.1040	1.0500	1.0310950	51.96670
## 6174	121.9600	181.8	179.491030	51.0185	1.0500	1.0318640	52.06522
## 6176	116.5444	174.3	170.667160	52.0284	1.0500	1.0335790	52.01540
## 6178	111.1288	166.4	161.843300	53.0489	1.0500	1.0356330	52.16865



## 6180	105.8716	158.2	153.349130	54.0527	1.0500	1.0358770	52.13910
## 6182	100.7728	149.3	145.184650	55.0678	1.0500	1.0345840	51.99048
## 6184	95.6740	140.1	137.020170	56.1173	1.0500	1.0336990	52.12021
## 6186	90.3716	130.9	128.641400	57.2034	1.0500	1.0347820	52.17048
## 6188	85.0692	122.0	120.262630	58.3162	1.0500	1.0368110	52.75875
## 6190	79.7770	113.4	111.927650	59.4483	1.0500	1.0372330	53.55826
## 6192	74.4950	105.1	103.636450	60.5964	1.0500	1.0358330	54.57967
## 6194	69.2130	97.2	95.345254	61.7345	1.0500	1.0366330	55.82245
## 6196	64.2174	89.8	87.512838	62.8273	1.0500	1.0379430	57.24870
## 6198	59.2218	82.8	79.680422	63.8510	1.0500	1.0411660	58.70307
## 6200	54.8306	76.7	72.795450	64.7981	1.0500	1.0430180	59.81778
## 6202	51.0438	71.3	66.857923	65.6872	1.0500	1.0431630	60.71429
## 6204	47.2570	66.7	60.920396	66.5399	1.0500	1.0428300	61.42311
## 6206	102.1038	NA	145.112780	58.2896	1.0568	1.0250150	63.83632
## 6208	89.4914	NA	125.899580	60.3548	1.0564	1.0307820	64.78019
## 6210	76.8790	NA	106.686380	62.4200	1.0560	1.0357200	65.55831
## 6212	64.2666	NA	87.473185	64.4852	1.0556	1.0405550	66.42371
## 6214	51.6542	NA	68.259986	66.5504	1.0552	1.0412560	67.06217
## 6216	42.3294	NA	54.117699	70.0324	1.0574	1.0428800	67.05283
## 6218	36.2922	NA	45.046324	69.8290	1.0622	1.0486420	66.81736
## 6220	30.2550	NA	35.974949	70.7266	1.0670	1.0528550	66.82884
## 6222	27.0594	NA	32.545272	70.3939	1.0630	1.0606570	66.60885
## 6224	23.8638	NA	29.115595	69.7968	1.0590	1.0510170	66.41091
## 6226	21.8188	NA	26.865439	70.1646	1.0568	1.0450310	66.38726
## 6228	20.9244	NA	25.794805	69.8134	1.0564	1.0446580	66.14433
## 6230	20.0300	NA	24.724171	68.9254	1.0560	1.0441590	66.21897
## 6232	21.1564	NA	25.964795	69.1046	1.0568	1.0456010	66.10238
## 6234	22.2828	25.0	27.205418	68.4956	1.0576	1.0472370	66.38689
## 6236	21.9754	24.7	26.970551	68.7863	1.0574	1.0466270	66.65347
## 6238	20.2342	23.6	25.260192	69.1190	1.0562	1.0466850	66.84974
## 6240	18.4930	21.0	23.549833	69.2915	1.0550	1.0494220	66.92486
## 6242	16.9210	18.6	21.538532	70.6929	1.0550	1.0518840	66.76806
## 6244	15.3490	19.0	19.527230	70.1554	1.0550	1.0521500	66.61665
## 6246	15.1608	22.0	19.106247	69.0324	1.0538	1.0486240	66.35161
## 6248	16.3564	23.8	20.275584	66.7227	1.0514	1.0446270	65.70650
## 6250	17.5520	23.7	21.444920	66.3912	1.0490	1.0444430	65.59486
## 6252	16.8216	21.6	20.516266	69.3493	1.0558	1.0482430	65.99589
## 6254	16.0912	18.6	19.587612	69.7429	1.0626	1.0598520	66.79198
## 6256	14.5648	16.0	17.758704	70.7610	1.0632	1.0712540	67.42004
## 6258	12.2424	14.3	15.029543	71.2659	1.0576	1.0612290	67.77438
## 6260	9.9200	12.5	12.300382	71.3561	1.0520	1.0483650	68.13285
## 6262	9.0732	11.1	11.124040	71.0195	1.0476	1.0330670	67.98710
## 6264	8.2264	9.9	9.947699	73.0805	1.0432	1.0356700	67.65817
## 6266	7.5400	9.0	9.046069	73.5756	1.0446	1.0411980	67.05426
## 6268	7.0140	8.4	8.419149	73.9829	1.0518	1.0504330	66.45129
## 6270	6.4880	7.9	7.792230	74.1244	1.0590	1.0589640	65.60122
## 6272	75.3766	NA	105.039230	58.8946	1.0500	1.0557660	58.05740
## 6274	71.8958	NA	99.549210	59.6798	1.0500	1.0435810	56.79443
## 6276	68.4150	NA	94.059194	60.4650	1.0500	1.0370800	55.57730
## 6278	64.9342	85.4	88.569177	61.2502	1.0500	1.0287740	54.12340
## 6280	61.4534	80.0	83.079160	62.0354	1.0500	1.0352040	52.94791
## 6282	58.3572	75.1	78.219607	63.5860	1.0500	1.0402830	52.17158
## 6284	55.6456	70.9	73.990517	64.1644	1.0500	1.0394820	51.23426
## 6286	52.9340	67.6	69.761427	64.7150	1.0500	1.0380460	51.19503

## 6288	50.6552	65.2	66.200031	65.2625	1.0500	1.0385560	51.54023
## 6290	48.3764	63.4	62.638636	65.8104	1.0500	1.0395190	52.64327
## 6292	46.1330	61.9	59.187618	66.3370	1.0500	1.0417220	53.59116
## 6294	43.9250	60.5	55.846977	66.8052	1.0500	1.0440760	54.37324
## 6296	41.7170	58.6	52.506337	67.1997	1.0500	1.0396640	55.33981
## 6298	40.2454	56.0	50.422885	67.5214	1.0500	1.0401490	55.48734
## 6300	38.7738	52.9	48.339433	67.8104	1.0500	1.0372150	55.53420
## 6302	37.4214	49.4	46.445715	68.1134	1.0500	1.0394430	56.09943
## 6304	36.1882	45.6	44.741731	68.4684	1.0500	1.0445110	57.14825
## 6306	34.9550	41.6	43.037747	68.8980	1.0500	1.0498220	58.10912
## 6308	33.1402	37.7	40.591727	69.3905	1.0500	1.0516630	58.79491
## 6310	31.3254	34.1	38.145708	69.9292	1.0500	1.0503780	59.61898
## 6312	29.3604	31.0	35.529382	70.5360	1.0500	1.0474250	60.40683
## 6314	27.2452	28.3	32.742750	71.2462	1.0500	1.0474380	61.32368
## 6316	25.1300	25.8	29.956118	72.0682	1.0500	1.0473970	62.21563
## 6318	22.6148	23.5	26.795087	72.9839	1.0500	1.0500320	62.87193
## 6320	20.0996	21.2	23.634055	73.9448	1.0500	1.0540750	63.84664
## 6322	17.8346	18.8	20.844240	74.9221	1.0500	1.0352420	64.04762
## 6324	15.8198	16.4	18.425639	75.9033	1.0500	1.0168210	64.04646
## 6326	13.8050	14.1	16.007039	76.8326	1.0500	1.0058090	64.66015
## 6328	12.5218	12.1	14.517816	77.6159	1.0500	1.0188210	65.88350
## 6330	11.2386	10.7	13.028593	78.2195	1.0500	1.0315100	67.38403
## 6332	10.3166	9.7	11.960424	78.6898	1.0500	1.0343950	68.00958
## 6334	9.7558	8.9	11.313311	79.1337	1.0500	1.0277900	67.88349
## 6336	9.1950	8.3	10.666198	79.6286	1.0500	1.0263590	67.86874
## 6338	184.4066	NA	276.095840	39.8294	1.0300	0.9776978	54.16667
## 6340	176.8398	225.4	264.735230	40.9962	1.0300	0.9905316	54.04700
## 6342	169.2730	212.5	253.374620	42.1630	1.0300	0.9934648	53.80711
## 6344	161.7062	201.7	242.014010	43.3298	1.0300	1.0025270	53.26757
## 6346	154.1394	194.2	230.653390	44.4966	1.0300	0.9999856	52.68817
## 6348	147.1410	190.4	219.936050	46.9947	1.0300	0.9979348	52.54042
## 6350	140.7110	189.4	209.861970	47.7262	1.0300	0.9987003	52.33853
## 6352	134.2810	188.5	199.787890	48.1502	1.0300	1.0026320	52.46253
## 6354	132.6774	185.5	197.172980	48.3998	1.0300	1.0045380	51.90525
## 6356	131.0738	179.3	194.558060	48.6946	1.0300	1.0044130	51.63205
## 6358	128.8378	170.9	190.845530	49.1799	1.0300	1.0044370	51.66192
## 6360	125.9694	161.4	186.035360	49.8751	1.0300	1.0028190	51.45719
## 6362	123.1010	150.8	181.225200	50.7622	1.0300	1.0048790	51.26197
## 6364	117.7522	138.7	172.509720	51.8475	1.0300	1.0051840	51.40728
## 6366	112.4034	126.4	163.794230	53.0575	1.0300	1.0077090	51.68627
## 6368	106.5736	114.9	154.397570	54.2542	1.0300	1.0089150	51.41791
## 6370	100.2628	105.0	144.319750	55.3138	1.0300	1.0075400	51.31485
## 6372	93.9520	97.4	134.241920	56.2526	1.0300	1.0109550	51.26108
## 6374	89.9020	92.1	127.842890	57.4077	1.0300	1.0138010	51.51316
## 6376	85.8520	88.9	121.443860	58.7675	1.0300	1.0158770	51.59236
## 6378	81.1908	87.9	113.698500	59.6364	1.0300	1.0203270	52.21130
## 6380	75.9184	90.8	104.606800	59.0951	1.0300	1.0234830	52.98287
## 6382	70.6460	98.9	95.515098	56.8379	1.0300	1.0178970	53.56532
## 6384	74.8672	107.9	101.220540	53.1268	1.0300	1.0179090	53.71809
## 6386	79.0884	114.3	106.925990	49.0226	1.0300	1.0148720	54.07609
## 6388	82.3244	118.6	111.761900	45.6717	1.0300	1.0134190	54.38034
## 6390	84.5752	122.0	115.728280	43.8248	1.0300	1.0136210	55.02896
## 6392	86.8260	123.4	119.694650	43.6577	1.0300	1.0150910	55.71132
## 6394	81.7232	119.3	112.682160	44.8822	1.0300	1.0156310	56.64622

## 6396	76.6204	106.5	105.669660	46.6346	1.0300	1.0146660	57.58794
## 6398	71.2202	96.8	97.766183	48.2198	1.0300	1.0141200	58.53419
## 6400	65.5226	93.6	88.971734	49.3315	1.0300	1.0137770	59.14546
## 6402	59.8250	90.2	80.177284	49.9612	1.0300	1.0140800	59.81265
## 6404	228.4142	NA	337.608880	32.2722	1.0540	1.0078560	55.56734
## 6406	226.0646	NA	334.688410	32.6966	1.0540	0.9864846	55.44148
## 6408	223.7150	NA	331.767940	33.1210	1.0540	0.9781027	56.03960
## 6410	221.3654	314.1	328.847470	33.5454	1.0540	0.9769619	55.98859
## 6412	219.0158	315.7	325.927000	33.9698	1.0540	0.9812924	56.11314
## 6414	216.6044	316.4	322.729100	35.0463	1.0540	0.9889297	56.03147
## 6416	214.1312	314.0	319.253750	35.7152	1.0540	0.9899419	55.35117
## 6418	211.6580	308.8	315.778400	36.5934	1.0540	0.9901990	54.82841
## 6420	204.8212	301.4	305.888970	37.6239	1.0540	0.9930257	54.14449
## 6422	197.9844	291.6	295.999540	38.7249	1.0540	0.9976926	54.19075
## 6424	191.1174	281.2	286.109590	39.9135	1.0540	1.0024630	53.77229
## 6426	184.2202	271.3	276.219130	41.2601	1.0540	1.0058530	53.34633
## 6428	177.3230	261.2	266.328660	42.7257	1.0540	1.0087600	53.28422
## 6430	171.8270	252.3	258.097270	44.1903	1.0540	1.0119230	52.78422
## 6432	166.3310	244.6	249.865880	45.4866	1.0540	1.0140250	52.48498
## 6434	161.6710	238.0	242.773940	46.4589	1.0540	1.0164950	52.19164
## 6436	157.8470	234.0	236.821450	47.0530	1.0540	1.0183250	51.80266
## 6438	154.0230	235.0	230.868960	47.3198	1.0540	1.0194900	51.77434
## 6440	155.4482	242.1	233.116090	47.2829	1.0540	1.0200990	51.68488
## 6442	156.8734	251.5	235.363230	47.1594	1.0540	1.0202130	51.89518
## 6444	156.9546	256.7	235.863310	47.4227	1.0540	1.0202690	52.03291
## 6446	155.6918	251.6	234.616330	48.4837	1.0540	1.0200740	52.64207
## 6448	154.4290	237.4	233.369340	50.1628	1.0540	1.0222920	52.88462
## 6450	144.1394	217.1	216.746290	51.6333	1.0540	1.0250370	53.23467
## 6452	133.8498	193.9	200.123230	52.3012	1.0540	1.0275120	53.50109
## 6454	122.3356	169.7	181.389650	52.5335	1.0540	1.0306070	53.65122
## 6456	109.5968	145.9	160.545540	53.3287	1.0540	1.0342700	53.58515
## 6458	96.8580	124.7	139.701430	55.0662	1.0540	1.0378660	53.71673
## 6460	86.8292	107.8	123.759260	57.1912	1.0540	1.0413870	53.52073
## 6462	76.8004	94.7	107.817090	58.8657	1.0540	1.0426050	53.45369
## 6464	69.2296	84.5	95.797975	59.8643	1.0540	1.0436110	53.60294
## 6466	64.1168	76.3	87.701916	60.5204	1.0540	1.0438030	54.13464
## 6468	59.0040	69.9	79.605858	61.1609	1.0540	1.0438630	54.66252
## 6470	272.7706	NA	369.493260	34.8200	1.0540	1.0581780	55.70292
## 6472	263.2058	NA	357.649040	35.7460	1.0540	1.0161630	54.84694
## 6474	253.6410	NA	345.804810	36.6720	1.0540	1.0041370	54.66342
## 6476	244.0762	NA	333.960590	37.5980	1.0540	0.9921441	54.21779
## 6478	234.5114	300.3	322.116370	38.5240	1.0540	1.0046990	54.25072
## 6480	216.9946	263.4	298.552280	44.2467	1.0540	1.0198460	54.17790
## 6482	191.5258	230.7	263.268320	47.4562	1.0540	1.0237840	53.45477
## 6484	166.0570	200.6	227.984370	50.3495	1.0540	1.0250330	52.85215
## 6486	148.1934	173.2	202.399990	52.8311	1.0540	1.0269830	51.93340
## 6488	130.3298	148.7	176.815600	55.0723	1.0540	1.0320060	51.08588
## 6490	115.1134	127.6	155.002270	57.1180	1.0540	1.0342370	50.18116
## 6492	102.5442	109.9	136.959990	58.9854	1.0540	1.0350620	49.64716
## 6494	89.9750	95.5	118.917710	60.6914	1.0540	1.0366010	49.23722
## 6496	80.8418	84.0	105.745250	62.2480	1.0540	1.0346800	49.03203
## 6498	71.7086	74.8	92.572784	63.6495	1.0540	1.0370570	49.10394
## 6500	63.9172	67.2	81.384074	64.8742	1.0540	1.0416630	49.78903
## 6502	57.4676	60.5	72.179118	65.8984	1.0540	1.0461500	51.01870

## 6504	51.0180	54.4	62.974162	66.7541	1.0540	1.0440320	52.44792
## 6506	47.0900	48.9	57.729419	67.5244	1.0540	1.0484750	53.37258
## 6508	43.1620	43.9	52.484676	68.2696	1.0540	1.0468780	54.43539
## 6510	39.5438	39.5	47.737436	68.9687	1.0548	1.0470140	55.80000
## 6512	36.2354	35.9	43.487701	69.5409	1.0564	1.0500320	57.55702
## 6514	32.9270	33.1	39.237965	69.9509	1.0580	1.0521910	59.28659
## 6516	31.6026	30.8	37.578521	70.2275	1.0592	1.0552280	61.02331
## 6518	30.2782	29.0	35.919077	70.4519	1.0604	1.0554800	62.45949
## 6520	29.1360	27.3	34.483799	70.7168	1.0612	1.0558440	63.95285
## 6522	28.1760	25.5	33.272689	71.0743	1.0616	1.0566310	65.46622
## 6524	27.2160	23.1	32.061579	71.4710	1.0620	1.0554530	66.54025
## 6526	26.0392	20.2	30.730165	71.7386	1.0608	1.0545820	66.89930
## 6528	24.8624	17.6	29.398751	71.7810	1.0596	1.0515470	66.91899
## 6530	24.2754	17.6	28.734039	71.6833	1.0592	1.0492880	66.61896
## 6532	24.2782	14.5	28.736029	71.6577	1.0596	1.0493640	66.07086
## 6534	24.2810	13.4	28.738019	71.8263	1.0600	1.0521390	65.59962
## 6536	142.8532	NA	186.107920	56.0026	1.0460	1.0070050	63.46304
## 6538	125.2976	NA	161.960810	58.4198	1.0460	1.0160760	63.85031
## 6540	107.7420	NA	137.813700	60.8370	1.0460	1.0231810	64.16889
## 6542	90.1864	NA	113.666590	63.2542	1.0460	1.0314010	64.33906
## 6544	72.6308	NA	89.519480	65.6714	1.0460	1.0323790	64.77896
## 6546	59.6196	NA	71.669298	70.1027	1.0476	1.0319610	64.77920
## 6548	51.1528	NA	60.116047	70.2044	1.0508	1.0378940	64.19668
## 6550	42.6860	NA	48.562795	71.3251	1.0540	1.0418960	63.76812
## 6552	36.4172	30.2	42.046084	71.6039	1.0516	1.0475370	63.33114
## 6554	30.1484	27.1	35.529374	70.9285	1.0492	1.0381910	62.93076
## 6556	26.0256	23.7	31.162506	71.7354	1.0472	1.0314200	62.94544
## 6558	24.0488	23.6	28.945480	71.3322	1.0456	1.0317800	63.08310
## 6560	22.0720	24.8	26.728454	70.8673	1.0440	1.0340230	63.60606
## 6562	22.2208	24.7	26.875323	70.8095	1.0452	1.0360570	64.17288
## 6564	22.3696	23.2	27.022192	70.4822	1.0464	1.0351140	64.94422
## 6566	21.6246	21.7	26.228975	70.4607	1.0482	1.0378080	65.72172
## 6568	19.9858	20.7	24.495672	70.7778	1.0506	1.0412170	66.36260
## 6570	18.3470	19.2	22.762369	70.5012	1.0530	1.0438760	66.75084
## 6572	16.9718	16.7	21.092259	71.9346	1.0550	1.0453420	66.84123
## 6574	15.5966	15.8	19.422150	71.4254	1.0570	1.0442250	66.66667
## 6576	15.2234	18.0	18.783068	70.3641	1.0572	1.0449190	66.36929
## 6578	15.8522	20.0	19.175015	68.9105	1.0556	1.0467870	66.00435
## 6580	16.4810	16.5	19.566961	69.0063	1.0540	1.0489060	65.96859
## 6582	14.2958	13.6	17.201642	70.9090	1.0576	1.0531330	65.92054
## 6584	12.1106	12.2	14.836324	71.5707	1.0612	1.0578310	66.31579
## 6586	10.3464	11.3	12.889613	71.6585	1.0618	1.0600380	66.55103
## 6588	9.0032	10.5	11.361509	72.0610	1.0594	1.0590270	66.82325
## 6590	7.6600	9.9	9.833405	71.2537	1.0570	1.0558450	67.13517
## 6592	6.9824	8.8	8.833059	70.9000	1.0530	1.0481280	67.46324
## 6594	6.3048	7.4	7.832712	72.9146	1.0490	1.0450620	67.71753
## 6596	5.6460	6.1	6.949517	73.5634	1.0480	1.0443990	67.60013
## 6598	5.0060	5.3	6.183473	73.9146	1.0500	1.0467910	67.13900
## 6600	4.3660	5.2	5.417428	75.1195	1.0520	1.0510580	66.57401
## 6602	48.5886	NA	62.638732	64.7270	1.0360	1.1313050	70.03367
## 6604	45.9938	NA	58.966065	65.3530	1.0360	1.1244750	69.53642
## 6606	43.3990	NA	55.293399	65.9790	1.0360	1.1000000	69.83607
## 6608	40.8042	NA	51.620733	66.6050	1.0360	1.0588240	68.60841
## 6610	38.2094	NA	47.948066	67.2310	1.0360	1.0528220	67.73163

## 6612	35.3662	NA	43.906860	68.7377	1.0374	1.0496550	66.98113
## 6614	32.2746	NA	39.497114	69.2231	1.0402	1.0431210	67.07692
## 6616	29.1830	28.1	35.087368	69.5610	1.0430	1.0397930	66.06061
## 6618	25.8730	25.9	30.936780	69.7613	1.0450	1.0357320	65.56886
## 6620	22.5630	23.6	26.786193	69.9049	1.0470	1.0411590	65.28190
## 6622	20.2932	21.1	24.128804	70.0814	1.0464	1.0497450	65.01458
## 6624	19.0636	18.8	22.964613	70.3582	1.0432	1.0623060	65.22989
## 6626	17.8340	16.7	21.800422	70.7576	1.0400	1.0674010	66.38418
## 6628	15.9508	15.1	19.557373	71.2563	1.0436	1.0670850	66.85237
## 6630	14.0676	13.8	17.314325	71.7945	1.0472	1.0460590	67.12707
## 6632	12.8988	12.9	15.822647	72.3577	1.0482	1.0351610	68.21918
## 6634	12.4444	12.0	15.082341	72.9589	1.0466	1.0432620	69.67213
## 6636	11.9900	11.2	14.342034	73.5858	1.0450	1.0562040	70.02725
## 6638	10.7892	10.2	12.831163	74.1938	1.0478	1.0557290	69.54178
## 6640	9.5884	9.3	11.320291	74.7524	1.0506	1.0457130	69.04762
## 6642	8.6404	8.3	10.209093	75.4634	1.0510	1.0420860	69.17098
## 6644	7.9452	7.3	9.497569	75.7122	1.0490	1.0497010	68.26196
## 6646	7.2500	6.4	8.786045	76.5122	1.0470	1.0589170	67.64706
## 6648	6.2952	5.7	7.750350	76.8805	1.0494	1.0667450	67.38095
## 6650	5.3404	5.1	6.714655	77.7707	1.0518	1.0673100	67.28538
## 6652	4.8806	4.6	6.175691	77.8244	1.0522	1.0705650	66.81818
## 6654	4.9158	4.1	6.133457	77.7268	1.0506	1.0774620	67.33781
## 6656	4.9510	3.5	6.091223	79.4317	1.0490	1.0798640	67.46725
## 6658	3.8998	3.0	4.989671	79.3829	1.0510	1.0751410	67.36842
## 6660	2.8486	2.6	3.888120	80.6366	1.0530	1.0553020	67.74194
## 6662	2.5424	2.3	3.454390	80.9878	1.0524	1.0420490	68.46154
## 6664	2.9812	2.0	3.688482	81.8000	1.0492	1.0504980	68.80734
## 6666	3.4200	1.9	3.922575	82.2293	1.0460	1.0595330	69.84127
## 6668	73.8218	NA	103.603970	58.9674	1.0500	1.0358310	68.36735
## 6670	69.9094	NA	96.831338	60.0082	1.0500	1.0607210	66.84211
## 6672	65.9970	NA	90.058708	61.0490	1.0500	1.0773300	63.53591
## 6674	62.0846	NA	83.286077	62.0898	1.0500	1.0827240	60.34483
## 6676	58.1722	NA	76.513447	63.1306	1.0500	1.0820730	55.88235
## 6678	53.8484	NA	70.060724	65.1431	1.0500	1.0516620	55.42857
## 6680	49.1132	NA	63.927909	66.0775	1.0500	1.0030540	52.38095
## 6682	44.3780	NA	57.795095	66.9675	1.0500	0.9892667	52.17391
## 6684	40.6264	NA	53.023237	67.8111	1.0500	1.0064790	52.42291
## 6686	36.8748	NA	48.251379	68.6164	1.0500	1.0843630	53.46939
## 6688	33.2430	NA	43.614931	69.3868	1.0500	1.1694090	56.69291
## 6690	29.7310	NA	39.113892	70.1243	1.0500	1.1465490	58.89328
## 6692	26.2190	NA	34.612854	70.8314	1.0500	1.0830960	62.50000
## 6694	23.5546	NA	31.098622	71.5090	1.0500	1.0536640	64.75410
## 6696	20.8902	NA	27.584389	72.1572	1.0500	1.0725620	66.66667
## 6698	18.6534	NA	24.651833	72.7780	1.0500	1.0562040	66.66667
## 6700	16.8442	NA	22.300951	73.3723	1.0500	1.0556190	66.91176
## 6702	15.0350	NA	19.950070	73.9422	1.0500	1.0594950	67.90541
## 6704	13.5842	NA	18.056115	74.4906	1.0500	1.0654110	66.56347
## 6706	12.1334	NA	16.162159	75.0197	1.0500	1.0718260	67.81609
## 6708	10.8702	NA	14.507585	75.5308	1.0500	1.0797590	68.02168
## 6710	9.7946	NA	13.092390	76.0244	1.0500	1.0540230	66.75325
## 6712	8.7190	NA	11.677195	76.5021	1.0500	1.0218840	67.33668
## 6714	7.8030	NA	10.455980	76.9628	1.0500	1.0232210	67.47573
## 6716	6.8870	NA	9.234765	77.4070	1.0500	1.0493420	68.30986
## 6718	6.1296	NA	8.232380	77.8347	1.0500	1.0499190	71.23288

## 6720	5.5308	NA	7.448827	78.2463	1.0500	1.0469830	73.61419
## 6722	4.9320	NA	6.665274	78.6490	1.0500	1.0546810	76.06838
## 6724	4.4812	NA	6.072641	79.0562	1.0500	1.0536530	77.89047
## 6726	4.0304	NA	5.480008	79.4762	1.0500	1.0731680	79.46257
## 6728	3.6522	NA	4.970000	79.9062	1.0500	1.0800580	80.07313
## 6730	3.3466	NA	4.542616	80.3391	1.0500	1.0721890	79.57746
## 6732	3.0410	NA	4.115232	80.7661	1.0500	1.0607040	78.06122
## 6734	155.3102	NA	178.665660	51.6536	1.0540	1.0433640	57.05426
## 6736	145.8106	NA	167.064110	53.2768	1.0540	1.0495650	56.86711
## 6738	136.3110	NA	155.462560	54.9000	1.0540	1.0514250	57.54310
## 6740	126.8114	NA	143.861000	56.5232	1.0540	1.0549650	57.19274
## 6742	117.3118	NA	132.259450	58.1464	1.0540	1.0535540	57.34694
## 6744	109.0114	NA	122.216060	61.2494	1.0540	1.0514490	57.49337
## 6746	101.9102	NA	113.730840	62.4595	1.0540	1.0514810	57.78927
## 6748	94.8090	NA	105.245630	63.6317	1.0540	1.0536520	58.60553
## 6750	89.7002	NA	99.106816	64.7640	1.0540	1.0569900	59.39210
## 6752	84.5914	NA	92.968007	65.8147	1.0540	1.0611970	60.65960
## 6754	79.3732	NA	86.884253	66.7312	1.0540	1.0625330	61.72414
## 6756	74.0456	NA	80.855555	67.4737	1.0540	1.0598430	62.46467
## 6758	68.7180	NA	74.826856	68.0249	1.0540	1.0551440	62.95064
## 6760	66.1296	NA	71.881226	68.3636	1.0540	1.0498410	63.26310
## 6762	63.5412	NA	68.935596	68.5586	1.0540	1.0485430	63.68891
## 6764	60.1040	56.5	65.178892	68.7736	1.0540	1.0477210	64.24523
## 6766	55.8180	53.0	60.611115	69.1691	1.0540	1.0481180	65.36114
## 6768	51.5320	49.5	56.043338	69.7637	1.0540	1.0485280	66.29667
## 6770	46.9352	47.3	51.136076	70.4129	1.0540	1.0504240	66.59980
## 6772	42.3384	39.7	46.228814	70.9420	1.0540	1.0506710	66.58329
## 6774	37.3410	35.0	40.911076	71.3257	1.0540	1.0496810	66.54930
## 6776	31.9430	31.1	35.182861	71.6709	1.0540	1.0490970	66.61578
## 6778	26.5450	24.6	29.454646	72.0668	1.0540	1.0488220	66.99079
## 6780	23.3014	19.6	25.612754	72.5291	1.0540	1.0489740	67.41117
## 6782	20.0578	16.9	21.770863	73.0105	1.0540	1.0473250	68.13407
## 6784	17.3380	15.2	18.605016	73.4558	1.0540	1.0475110	68.48095
## 6786	15.1420	14.2	16.115214	73.8155	1.0540	1.0497760	68.92822
## 6788	12.9460	13.7	13.625412	74.0889	1.0540	1.0524730	69.21194
## 6790	12.0684	12.5	13.003734	74.3230	1.0540	1.0523910	69.73684
## 6792	11.1908	11.0	12.382056	74.5789	1.0540	1.0518320	70.47110
## 6794	10.4062	8.6	11.660279	74.8745	1.0540	1.0514830	70.76476
## 6796	9.7146	6.6	10.838404	75.1870	1.0540	1.0525830	70.86348
## 6798	9.0230	5.5	10.016528	75.4953	1.0540	1.0532200	70.70707
## 6800	193.9958	NA	313.516690	34.3766	1.0160	0.9846044	58.20537
## 6802	188.3514	NA	304.003500	35.3478	1.0160	0.9947385	57.18556
## 6804	182.7070	NA	294.490310	36.3190	1.0160	0.9979969	56.72463
## 6806	177.0626	NA	284.977120	37.2902	1.0160	1.0001260	55.37555
## 6808	171.4182	NA	275.463940	38.2614	1.0160	0.9992265	54.46877
## 6810	166.1710	NA	266.465870	40.4572	1.0160	0.9976296	53.49416
## 6812	161.3210	NA	257.982940	41.4149	1.0160	0.9981945	52.38790
## 6814	156.4710	NA	249.500000	42.3657	1.0160	0.9995286	51.76776
## 6816	151.7514	NA	241.464500	43.3239	1.0160	1.0008760	51.25165
## 6818	147.0318	150.2	233.429010	44.2955	1.0160	1.0010720	51.10139
## 6820	142.5076	153.7	225.553460	45.2673	1.0160	1.0010510	50.85047
## 6822	138.1788	158.2	217.837850	46.2161	1.0160	0.9998029	50.48232
## 6824	133.8500	163.5	210.122240	47.1114	1.0160	0.9994043	50.36959
## 6826	129.2792	168.0	203.456750	47.9496	1.0160	1.0008620	50.06225

## 6828	124.7084	172.2	196.791260	48.7091	1.0160	1.0041860	50.12929
## 6830	119.7512	177.6	189.264470	49.2849	1.0160	1.0070500	50.30613
## 6832	114.4076	182.4	180.876390	49.5814	1.0160	1.0066490	50.79264
## 6834	109.0640	182.4	172.488300	49.7103	1.0160	1.0052660	51.28745
## 6836	108.5764	176.5	171.680060	49.9433	1.0160	1.0042210	51.55732
## 6838	108.0888	166.2	170.871820	50.5360	1.0160	1.0047840	51.64198
## 6840	106.2902	155.8	166.836090	51.5982	1.0160	1.0047530	51.71457
## 6842	103.1806	147.1	159.572870	53.0228	1.0160	1.0043450	52.01297
## 6844	100.0710	138.4	152.309650	54.6140	1.0160	1.0041400	52.18555
## 6846	91.1418	127.7	138.247530	56.2335	1.0160	1.0039640	51.87020
## 6848	82.2126	115.5	124.185420	57.7717	1.0160	1.0045770	51.52984
## 6850	73.7962	103.1	111.086760	59.1136	1.0168	1.0064590	51.48753
## 6852	65.8926	91.5	98.951550	60.2355	1.0184	1.0090880	51.77733
## 6854	57.9890	80.6	86.816338	61.1873	1.0200	1.0119220	52.25806
## 6856	52.9930	70.8	79.052776	62.0530	1.0220	1.0151010	52.77477
## 6858	47.9970	63.3	71.289214	62.9182	1.0240	1.0170990	53.38115
## 6860	43.7542	57.8	64.825424	63.8074	1.0260	1.0194560	54.07076
## 6862	40.2646	53.4	59.661403	64.6739	1.0280	1.0221850	54.79607
## 6864	36.7750	49.6	54.497383	65.4828	1.0300	1.0241430	55.46111
## 6866	202.1966	NA	356.142610	35.4924	1.0200	0.9558424	51.13032
## 6868	200.0338	NA	351.986240	35.8752	1.0200	0.9867159	51.48800
## 6870	197.8710	NA	347.829860	36.2580	1.0200	1.0043200	51.90652
## 6872	195.7082	NA	343.673490	36.6408	1.0200	1.0164110	52.03540
## 6874	193.5454	NA	339.517110	37.0236	1.0200	1.0072900	52.28814
## 6876	191.1380	NA	334.862670	37.9981	1.0200	0.9978351	52.40541
## 6878	188.4860	NA	329.710180	38.4217	1.0200	0.9994000	52.86674
## 6880	185.8340	355.7	324.557680	38.8414	1.0200	1.0036930	53.04262
## 6882	183.5076	352.9	320.061150	39.3712	1.0200	1.0052110	52.48710
## 6884	181.1812	349.9	315.564630	40.0861	1.0200	1.0035810	52.00714
## 6886	177.7874	342.3	308.705370	40.9625	1.0200	1.0032670	51.46966
## 6888	173.3262	327.8	299.483370	41.8893	1.0200	1.0039210	51.15069
## 6890	168.8650	309.4	290.261370	42.7683	1.0200	1.0050430	51.01077
## 6892	165.0374	287.7	282.180130	43.6110	1.0200	1.0052480	50.61312
## 6894	161.2098	266.0	274.098890	44.4053	1.0200	1.0054270	50.41764
## 6896	157.5916	249.2	266.233500	44.9976	1.0200	1.0056200	50.15015
## 6898	154.1828	242.7	258.583970	45.2200	1.0200	1.0061210	49.95495
## 6900	150.7740	248.4	250.934430	45.0454	1.0200	1.0054320	49.93061
## 6902	148.1316	253.1	244.606970	44.5646	1.0200	1.0050220	50.33300
## 6904	145.4892	248.1	238.279510	44.0063	1.0200	1.0046100	50.98644
## 6906	141.8038	235.0	229.128150	43.5829	1.0200	1.0034710	51.18701
## 6908	137.0754	219.0	217.152890	43.4033	1.0200	1.0026570	50.89203
## 6910	132.3470	207.5	205.177640	43.4787	1.0200	1.0019790	50.60572
## 6912	125.5906	198.7	190.254020	43.6428	1.0200	1.0061670	50.32164
## 6914	118.8342	185.0	175.330400	43.8616	1.0200	1.0079450	50.11946
## 6916	112.1918	161.7	161.659730	44.4587	1.0200	1.0091520	50.07832
## 6918	105.6634	135.2	149.242000	45.8803	1.0200	1.0088280	50.19436
## 6920	99.1350	116.2	136.824270	48.2759	1.0200	1.0092800	50.32162
## 6922	91.3594	104.9	124.269640	51.5125	1.0220	1.0104910	50.45192
## 6924	83.5838	95.4	111.715010	55.0824	1.0240	1.0139410	50.53388
## 6926	77.0536	84.5	101.415930	58.5001	1.0260	1.0177440	50.71255
## 6928	71.7688	71.3	93.372408	61.4660	1.0280	1.0206020	51.03768
## 6930	66.4840	64.0	85.328881	63.7969	1.0300	1.0221190	51.40285
## 6932	119.3680	NA	159.337880	52.2704	1.0600	0.9927642	53.75279
## 6934	110.8660	NA	148.075910	53.5312	1.0600	1.0039130	53.58114

## 6936	102.3640	NA	136.813940	54.7920	1.0600	1.0176710	53.07868
## 6938	93.8620	110.2	125.551970	56.0528	1.0600	1.0428940	52.27089
## 6940	85.3600	98.2	114.290010	57.3136	1.0600	1.0456620	51.44158
## 6942	77.6102	87.7	103.996830	60.0544	1.0600	1.0483500	50.78894
## 6944	70.6126	78.5	94.672439	61.1602	1.0600	1.0513840	50.35004
## 6946	63.6150	70.8	85.348050	62.1905	1.0600	1.0525940	50.39707
## 6948	57.4882	64.2	77.042664	63.1447	1.0600	1.0523480	50.80103
## 6950	51.3614	58.5	68.737277	64.0378	1.0600	1.0542430	51.63049
## 6952	45.9602	53.1	61.415238	64.8757	1.0600	1.0511540	52.51297
## 6954	41.2846	47.8	55.076547	65.6628	1.0600	1.0527910	53.20218
## 6956	36.6090	42.5	48.737855	66.4019	1.0600	1.0558720	54.09357
## 6958	33.0486	37.4	43.925987	67.0961	1.0600	1.0552490	55.35991
## 6960	29.4882	32.7	39.114119	67.7489	1.0600	1.0534170	56.87523
## 6962	26.3554	28.5	34.886107	68.3642	1.0600	1.0534130	57.81382
## 6964	23.6502	24.8	31.241951	68.9477	1.0600	1.0543900	58.06927
## 6966	20.9450	21.8	27.597795	69.5008	1.0600	1.0576790	58.02093
## 6968	18.8922	19.4	24.855531	70.0254	1.0600	1.0589620	58.42663
## 6970	16.8394	17.4	22.113267	70.5201	1.0600	1.0601370	59.00723
## 6972	15.0350	15.8	19.704656	70.9889	1.0600	1.0589510	59.57242
## 6974	13.4790	14.4	17.629698	71.4352	1.0600	1.0570190	60.04061
## 6976	11.9230	13.3	15.554740	71.8631	1.0600	1.0554700	60.59831
## 6978	10.7474	12.4	14.003010	72.2791	1.0600	1.0551050	61.36739
## 6980	9.5718	11.0	12.451279	72.6792	1.0600	1.0575850	62.32150
## 6982	8.5404	9.4	11.086572	73.0433	1.0600	1.0575400	63.19134
## 6984	7.6532	8.5	9.908888	73.3493	1.0600	1.0530030	64.21649
## 6986	6.7660	8.2	8.731204	73.6006	1.0600	1.0492480	65.51016
## 6988	6.7652	8.0	8.643152	73.8183	1.0600	1.0506600	66.27511
## 6990	6.7644	8.0	8.555100	74.0384	1.0600	1.0555700	67.33668
## 6992	6.7194	7.9	8.417733	74.2868	1.0600	1.0580460	68.41774
## 6994	6.6302	7.5	8.231051	74.5675	1.0600	1.0658950	69.08536
## 6996	6.5410	7.0	8.044368	74.8752	1.0600	1.0689670	69.63503
## 6998	285.3676	NA	392.258350	33.1658	1.0580	1.0492580	56.02770
## 7000	276.8468	NA	386.495090	33.8094	1.0580	1.0180140	57.56704
## 7002	268.3260	NA	380.731830	34.4530	1.0580	1.0106760	58.93933
## 7004	259.8052	NA	374.968570	35.0966	1.0580	1.0098140	59.16714
## 7006	251.2844	NA	369.205310	35.7402	1.0580	1.0134320	59.16990
## 7008	242.0464	NA	359.414990	37.8593	1.0580	1.0231780	58.20941
## 7010	232.0912	323.5	345.597610	39.1348	1.0580	1.0273470	56.77457
## 7012	222.1360	306.6	331.780240	40.4960	1.0580	1.0201520	55.40921
## 7014	209.7400	289.0	313.483720	41.9147	1.0580	1.0178610	53.48969
## 7016	197.3440	270.5	295.187200	43.3930	1.0580	1.0160520	51.92333
## 7018	184.2614	250.5	275.775090	44.9351	1.0580	1.0204390	51.16792
## 7020	170.4922	227.9	255.247380	46.5603	1.0580	1.0266220	51.29623
## 7022	156.7230	204.4	234.719670	48.2827	1.0580	1.0310310	51.82579
## 7024	142.6782	183.0	212.550290	50.1271	1.0596	1.0402430	51.84970
## 7026	128.6334	163.9	190.380910	52.0620	1.0612	1.0415130	52.05532
## 7028	116.3380	147.3	170.784240	53.9825	1.0610	1.0440710	51.97578
## 7030	105.7920	133.1	153.760270	55.7721	1.0590	1.0451270	51.49156
## 7032	95.2460	120.3	136.736310	57.4081	1.0570	1.0410710	51.10023
## 7034	87.5148	108.9	124.503730	58.9744	1.0554	1.0412280	50.20856
## 7036	79.7836	98.8	112.271140	60.5873	1.0538	1.0392570	49.82614
## 7038	72.8342	89.5	101.308200	62.2582	1.0590	1.0431140	49.64299
## 7040	66.6666	80.4	91.614902	63.9195	1.0710	1.0582340	49.74159
## 7042	60.4990	70.8	81.921600	65.5605	1.0830	1.0710770	50.48884



## 7044	54.0142	60.5	71.967325	67.2780	1.0746	1.0706360	52.16907
## 7046	47.5294	49.8	62.013049	69.1146	1.0662	1.0527080	54.37079
## 7048	40.7696	39.2	52.087283	71.0056	1.0610	1.0353850	56.91382
## 7050	33.7348	29.9	42.190026	72.8073	1.0590	1.0354390	59.54115
## 7052	26.7000	22.8	32.292770	74.3323	1.0570	1.0504520	62.01011
## 7054	21.9324	17.8	26.265933	75.3997	1.0598	1.0487890	64.08063
## 7056	17.1648	14.4	20.239097	76.0187	1.0626	1.0542940	65.75924
## 7058	13.6190	11.8	15.877941	76.3375	1.0672	1.0545750	66.87447
## 7060	11.2950	9.9	13.182466	76.6026	1.0736	1.0692670	67.50914
## 7062	8.9710	8.6	10.486990	76.9790	1.0800	1.0779920	67.82023
## 7064	256.9388	NA	438.294950	26.1492	1.0500	1.0087610	57.89031
## 7066	249.5504	NA	432.973340	26.5556	1.0500	1.0179260	57.23684
## 7068	242.1620	NA	427.651730	26.9620	1.0500	1.0229610	57.29502
## 7070	234.7736	NA	422.330110	27.3684	1.0500	1.0260900	56.67976
## 7072	227.3852	NA	417.008500	27.7748	1.0500	1.0255590	56.82997
## 7074	220.3612	NA	413.107480	28.3587	1.0500	1.0236620	56.57648
## 7076	213.7016	443.5	410.627050	28.7964	1.0500	1.0240940	56.03749
## 7078	207.0420	428.5	408.146610	29.5019	1.0500	1.0253910	55.92672
## 7080	200.8648	415.4	400.736060	30.5056	1.0500	1.0258780	55.35308
## 7082	194.6876	404.6	393.325510	31.7264	1.0500	1.0258240	55.28830
## 7084	188.5476	395.4	382.940250	33.0815	1.0500	1.0265940	54.95451
## 7086	182.4448	384.0	369.580270	34.4945	1.0500	1.0272910	54.42775
## 7088	176.3420	368.3	356.220290	35.9178	1.0500	1.0278170	54.23415
## 7090	170.9128	350.4	344.027190	37.3587	1.0500	1.0286990	53.31446
## 7092	165.4836	332.9	331.834090	38.8490	1.0500	1.0289960	52.85324
## 7094	160.3546	317.0	319.394360	40.3909	1.0500	1.0302950	52.21178
## 7096	155.5258	300.7	306.707990	41.9620	1.0500	1.0316660	51.56457
## 7098	150.6970	285.0	294.021620	43.4809	1.0500	1.0312450	51.31512
## 7100	146.0298	271.3	283.494680	44.8532	1.0500	1.0322660	50.31587
## 7102	141.3626	259.5	272.967740	46.0013	1.0500	1.0322050	49.74766
## 7104	136.6250	250.0	263.344060	46.8365	1.0500	1.0313860	49.48109
## 7106	131.8170	243.9	254.623640	47.3423	1.0500	1.0282140	49.54550
## 7108	127.0090	240.0	245.903220	47.6550	1.0500	1.0266170	49.81848
## 7110	124.7126	235.3	240.424980	47.9665	1.0500	1.0253560	49.83281
## 7112	122.4162	226.4	234.946750	48.4890	1.0500	1.0270950	50.09314
## 7114	118.3330	211.2	225.052940	49.4352	1.0500	1.0293730	50.23734
## 7116	112.4630	191.8	210.743560	50.8598	1.0500	1.0302370	50.31020
## 7118	106.5930	171.8	196.434170	52.5797	1.0500	1.0313390	50.47353
## 7120	99.6026	155.1	178.877670	54.2619	1.0500	1.0330910	50.23983
## 7122	92.6122	142.0	161.321180	55.6334	1.0500	1.0347560	50.17014
## 7124	86.9940	131.7	147.049870	56.6547	1.0500	1.0360810	50.00320
## 7126	82.7480	122.7	136.063750	57.5352	1.0500	1.0367150	49.87946
## 7128	78.5020	114.7	125.077630	58.4572	1.0500	1.0367950	49.95455
## 7130	64.3914	NA	69.231524	64.7768	1.0600	1.0269520	58.65385
## 7132	57.4482	NA	62.660647	65.4544	1.0600	1.0029640	57.50799
## 7134	50.5050	53.7	56.089769	66.1320	1.0600	0.9991304	55.73248
## 7136	43.5618	47.6	49.518892	66.8096	1.0600	1.0125380	55.09554
## 7138	36.6186	42.7	42.948015	67.4872	1.0600	1.0205140	53.18471
## 7140	32.0930	39.1	38.294153	67.9027	1.0600	1.0341910	53.52564
## 7142	29.9850	36.5	35.557307	68.5049	1.0600	1.0461260	54.69256
## 7144	27.8770	34.3	32.820462	69.0865	1.0600	1.0541490	57.18954
## 7146	26.0974	31.8	30.590318	69.6402	1.0600	1.0702340	59.67213
## 7148	24.3178	29.2	28.360175	70.1789	1.0600	1.0672610	62.17105
## 7150	22.6786	26.5	26.332585	70.7047	1.0600	1.0543580	63.48684

## 7152	21.1798	23.9	24.507550	71.2185	1.0600	1.0498150	64.70588
## 7154	19.6810	21.4	22.682514	71.7209	1.0600	1.0482690	65.58442
## 7156	18.4178	19.3	21.194663	72.2132	1.0600	1.0580840	65.91640
## 7158	17.1546	17.6	19.706813	72.6950	1.0600	1.0529740	67.19243
## 7160	15.9928	16.3	18.346933	73.1668	1.0600	1.0557170	66.87307
## 7162	14.9324	15.1	17.115024	73.6287	1.0600	1.0549960	66.66667
## 7164	13.8720	13.9	15.883115	74.0806	1.0600	1.0516550	66.37168
## 7166	12.9796	12.7	14.867459	74.5245	1.0600	1.0564640	66.66667
## 7168	12.0872	11.7	13.851802	74.9603	1.0600	1.0576910	65.62500
## 7170	11.2660	10.9	12.922839	75.3902	1.0600	1.0592100	66.11111
## 7172	10.5160	10.2	12.080570	76.6024	1.0600	1.0598730	66.66667
## 7174	9.7660	9.4	11.238301	77.1415	1.0600	1.0605080	66.48794
## 7176	9.1380	8.7	10.536363	77.5902	1.0600	1.0613460	66.75462
## 7178	8.5100	8.1	9.834425	77.3000	1.0600	1.0600700	67.70833
## 7180	7.9312	7.5	9.190850	78.8439	1.0600	1.0569100	67.17949
## 7182	7.4016	7.2	8.605638	78.5463	1.0600	1.0554220	68.19338
## 7184	6.8720	7.0	8.020426	79.3000	1.0600	1.0577600	67.75819
## 7186	6.4268	6.8	7.532901	79.7927	1.0600	1.0618190	68.98263
## 7188	5.9816	6.8	7.045375	80.2415	1.0600	1.0740740	67.97066
## 7190	5.5734	6.7	6.593815	80.7463	1.0600	1.0824300	67.14976
## 7192	5.2022	6.6	6.178219	81.7463	1.0600	1.0804770	66.82692
## 7194	4.8310	6.4	5.762624	81.9463	1.0600	1.0766830	66.50718
## 7196	157.9660	311.4	308.096870	36.0810	1.0500	0.9613478	54.88166
## 7198	152.9700	300.7	296.780840	37.3350	1.0500	1.0177230	54.44288
## 7200	147.9740	288.8	285.464800	38.5890	1.0500	1.0464690	54.75234
## 7202	142.9780	276.2	274.148770	39.8430	1.0500	1.0656030	54.06091
## 7204	137.9820	262.8	262.832730	41.0970	1.0500	1.0499840	53.47722
## 7206	132.9452	249.0	251.289370	44.1639	1.0500	1.0344660	53.00113
## 7208	127.8676	235.2	239.518680	45.4600	1.0500	1.0358890	52.67094
## 7210	122.7900	222.0	227.748000	46.6307	1.0500	1.0415000	52.11694
## 7212	119.1280	208.8	219.099720	47.6732	1.0500	1.0441470	51.71103
## 7214	115.4660	197.5	210.451440	48.6393	1.0500	1.0402800	51.56951
## 7216	112.1420	191.5	202.541660	49.5676	1.0500	1.0391210	51.31023
## 7218	109.1560	189.3	195.370390	50.4814	1.0500	1.0381830	51.35566
## 7220	106.1700	185.5	188.199120	51.4279	1.0500	1.0374840	51.61776
## 7222	103.2524	178.0	181.094600	52.4819	1.0500	1.0375090	51.49148
## 7224	100.3348	168.6	173.990080	53.6431	1.0500	1.0370160	51.71026
## 7226	96.9538	159.5	165.671890	54.8364	1.0500	1.0374980	51.99493
## 7228	93.1094	150.0	156.140030	55.9407	1.0500	1.0370660	51.88510
## 7230	89.2650	139.2	146.608180	56.8631	1.0500	1.0364370	52.23543
## 7232	86.6562	128.6	140.016590	57.5725	1.0500	1.0367510	52.03644
## 7234	84.0474	120.7	133.425010	58.1242	1.0500	1.0361300	52.13415
## 7236	82.1398	116.2	128.595430	58.5768	1.0500	1.0358070	52.47477
## 7238	80.9334	114.3	125.527850	58.9892	1.0500	1.0353990	52.61008
## 7240	79.7270	113.8	122.460270	59.3795	1.0500	1.0356970	52.95630
## 7242	78.3162	113.9	118.999170	59.7023	1.0500	1.0345720	53.29027
## 7244	76.9054	113.6	115.538060	59.9279	1.0500	1.0335460	53.72624
## 7246	76.0754	113.1	113.493760	60.1051	1.0500	1.0335710	54.22031
## 7248	75.8262	112.4	112.866270	60.3254	1.0500	1.0338710	54.70746
## 7250	75.5770	109.8	112.238780	60.6604	1.0500	1.0344780	55.19975
## 7252	74.3098	105.5	108.999000	61.1397	1.0500	1.0357740	55.43870
## 7254	73.0426	100.4	105.759210	61.7107	1.0500	1.0356850	55.68247
## 7256	71.5276	95.4	101.823210	62.2925	1.0500	1.0366340	55.98697
## 7258	69.7648	90.2	97.190992	62.8027	1.0500	1.0370120	56.31294

## 7260	68.0020	84.7	92.558778	63.2028	1.0500	1.0370070	56.76008
## 7262	126.4890	NA	211.946200	45.7582	1.0420	1.0222170	51.97628
## 7264	114.7870	NA	189.996800	47.9786	1.0420	1.0426070	51.30112
## 7266	103.0850	NA	168.047400	50.1990	1.0420	1.0496340	51.22807
## 7268	91.3830	121.1	146.098000	52.4194	1.0420	1.0491880	50.99010
## 7270	79.6810	105.8	124.148600	54.6398	1.0420	1.0426930	50.93458
## 7272	71.1892	98.6	107.769530	59.7484	1.0420	1.0370780	51.10457
## 7274	65.9076	87.0	96.960802	61.3577	1.0420	1.0402090	50.48815
## 7276	60.6260	86.4	86.152071	62.3583	1.0420	1.0460950	51.06101
## 7278	63.2696	96.1	84.215722	62.8153	1.0420	1.0500740	51.71975
## 7280	65.9132	86.9	82.279373	63.0202	1.0420	1.0500370	53.01353
## 7282	65.9392	81.0	81.931277	63.2533	1.0420	1.0445700	54.82718
## 7284	63.3476	76.9	83.171435	63.6855	1.0420	1.0408700	56.06936
## 7286	60.7560	65.2	84.411592	64.3905	1.0420	1.0385830	57.62332
## 7288	51.5236	50.8	69.323130	65.3724	1.0420	1.0282690	59.54447
## 7290	42.2912	42.9	54.234667	66.4558	1.0420	1.0187800	60.71429
## 7292	35.3398	37.7	43.606017	67.4074	1.0420	1.0215070	61.24744
## 7294	30.6694	31.3	37.437178	68.0376	1.0420	1.0307100	62.72545
## 7296	25.9990	28.4	31.268339	68.3707	1.0420	1.0388860	64.07480
## 7298	24.8430	28.8	29.476150	68.6555	1.0420	1.0393760	65.17944
## 7300	23.6870	24.9	27.683962	69.1240	1.0420	1.0299240	66.02871
## 7302	22.1808	21.8	25.673363	69.9561	1.0420	1.0225790	66.66667
## 7304	20.3244	21.2	23.444353	70.1073	1.0420	1.0287260	66.84882
## 7306	18.4680	22.2	21.215343	70.3259	1.0420	1.0340070	67.40478
## 7308	18.9584	22.6	21.405334	70.4049	1.0420	1.0367550	67.50433
## 7310	19.4488	20.2	21.595325	70.9610	1.0420	1.0307270	68.17021
## 7312	18.4258	17.1	20.567152	71.7659	1.0420	1.0309690	68.34171
## 7314	15.8894	15.6	18.320816	72.1213	1.0420	1.0352140	68.40364
## 7316	13.3530	15.7	16.074480	72.4322	1.0420	1.0397600	68.82160
## 7318	13.2966	16.0	15.739133	72.5707	1.0420	1.0410860	69.26196
## 7320	13.2402	15.5	15.403786	72.8824	1.0420	1.0396730	70.07241
## 7322	12.9624	14.9	15.029168	73.2668	1.0420	1.0381590	70.71030
## 7324	12.4632	14.3	14.615280	74.0171	1.0420	1.0387500	70.86302
## 7326	11.9640	13.5	14.201392	74.3532	1.0420	1.0392190	71.09191
## 7328	136.9300	NA	221.121050	47.0382	1.0500	1.0480420	53.69330
## 7330	129.0500	NA	207.238370	48.8666	1.0500	1.0326110	52.66371
## 7332	121.1700	NA	193.355700	50.6950	1.0500	1.0248570	52.11471
## 7334	113.2900	NA	179.473020	52.5234	1.0500	1.0188690	51.33329
## 7336	105.4100	NA	165.590340	54.3518	1.0500	1.0226540	50.95702
## 7338	98.7858	NA	153.818380	57.6561	1.0500	1.0262910	50.45185
## 7340	93.4174	129.7	144.157130	58.6429	1.0500	1.0260540	49.83786
## 7342	88.0490	124.6	134.495890	59.4337	1.0500	1.0252170	49.53948
## 7344	84.6046	119.1	128.112170	60.1515	1.0500	1.0259310	49.47606
## 7346	81.1602	112.3	121.728460	60.9194	1.0500	1.0285260	49.67971
## 7348	77.3414	104.9	114.472230	61.8192	1.0500	1.0300270	49.75614
## 7350	73.1482	97.7	106.343510	62.8378	1.0500	1.0309710	49.67442
## 7352	68.9550	91.5	98.214776	63.9201	1.0500	1.0317160	49.79383
## 7354	64.1102	85.6	88.457833	65.0128	1.0500	1.0320710	49.98912
## 7356	59.2654	78.8	78.700891	66.0630	1.0500	1.0331150	50.58577
## 7358	54.8826	71.3	70.517114	67.0370	1.0500	1.0334500	51.38335
## 7360	50.9618	64.3	63.906503	67.9408	1.0500	1.0343350	52.20951
## 7362	47.0410	58.7	57.295892	68.7926	1.0500	1.0358740	53.27005
## 7364	44.0270	53.8	53.758697	69.6074	1.0500	1.0372690	54.66359
## 7366	41.0130	49.0	50.221501	70.4016	1.0500	1.0397930	56.13163

## 7368	38.2218	44.1	46.828609	71.1910	1.0500	1.0402050	57.32996
## 7370	35.6534	39.4	43.580019	71.9778	1.0500	1.0386100	58.34324
## 7372	33.0850	35.0	40.331429	72.7398	1.0500	1.0354090	59.18540
## 7374	30.9294	31.0	37.339197	73.4371	1.0500	1.0298480	59.80843
## 7376	28.7738	27.3	34.346965	74.0392	1.0500	1.0240720	60.37564
## 7378	26.2576	24.1	31.235090	74.5335	1.0500	1.0262540	60.99866
## 7380	23.3808	21.4	28.003570	74.9375	1.0500	1.0387130	61.63403
## 7382	20.5040	19.5	24.772051	75.2821	1.0500	1.0500400	62.23439
## 7384	20.2732	18.4	24.719708	75.5879	1.0500	1.0573190	63.00159
## 7386	20.0424	17.4	24.667365	75.8774	1.0500	1.0484650	63.75808
## 7388	19.6990	16.0	24.353582	76.1857	1.0500	1.0402740	64.53454
## 7390	19.2430	14.5	23.778358	76.5327	1.0500	1.0411430	65.28932
## 7392	18.7870	13.2	23.203134	76.9207	1.0500	1.0445840	65.92661
## 7394	104.4996	NA	151.228140	52.9736	1.0700	1.0649200	54.54545
## 7396	100.5028	NA	144.895600	53.7748	1.0700	1.0663170	54.28571
## 7398	96.5060	NA	138.563060	54.5760	1.0700	1.0670380	55.26316
## 7400	92.5092	NA	132.230530	55.3772	1.0700	1.0675780	53.65854
## 7402	88.5124	NA	125.897990	56.1784	1.0700	1.0682790	53.48837
## 7404	84.5910	NA	119.701320	57.9856	1.0700	1.0685240	52.17391
## 7406	80.7450	NA	113.640520	58.7816	1.0700	1.0689490	48.97959
## 7408	76.8990	NA	107.579720	59.5786	1.0700	1.0696090	51.92308
## 7410	73.1974	NA	101.775300	60.3876	1.0700	1.0693550	53.57143
## 7412	69.4958	NA	95.970881	61.2116	1.0700	1.0698120	51.66667
## 7414	65.7804	NA	90.138797	62.0706	1.0700	1.0749540	51.61290
## 7416	62.0512	NA	84.279048	62.9756	1.0700	1.0766840	50.00000
## 7418	58.3220	NA	78.419298	63.8546	1.0700	1.0722910	48.43750
## 7420	54.7352	NA	72.790724	64.5676	1.0700	1.0789150	46.96970
## 7422	51.1484	NA	67.162149	65.0366	1.0700	1.0821080	51.42857
## 7424	48.8882	57.2	63.623438	65.2896	1.0700	1.0803600	50.00000
## 7426	47.9546	58.7	62.174591	65.4536	1.0700	1.0748960	50.00000
## 7428	47.0210	59.0	60.725744	65.6366	1.0700	1.0724210	52.32558
## 7430	46.0626	58.0	59.299242	65.8586	1.0700	1.0739500	50.00000
## 7432	45.1042	56.3	57.872740	66.0846	1.0700	1.0790370	50.00000
## 7434	44.1578	55.2	56.477091	66.3101	1.0700	1.0862890	52.52525
## 7436	43.2234	55.1	55.112297	66.5357	1.0700	1.0819070	50.96154
## 7438	42.2890	55.6	53.747503	66.7598	1.0700	1.0734540	51.85185
## 7440	41.3630	56.0	52.422393	66.9716	1.0700	1.0460340	53.70370
## 7442	40.4370	54.9	51.097283	67.1726	1.0700	1.0507480	55.55556
## 7444	39.5638	52.8	49.844205	67.3843	1.0700	1.0630270	57.00935
## 7446	38.7434	50.2	48.663159	67.6351	1.0700	1.0667740	57.00935
## 7448	37.9230	47.4	47.482113	67.9244	1.0700	1.0681150	57.54717
## 7450	36.6998	44.6	45.739152	68.2205	1.0700	1.0720570	56.60377
## 7452	35.4766	42.0	43.996192	68.4895	1.0700	1.0732160	57.69231
## 7454	34.5332	39.4	42.647545	68.7310	1.0700	1.0701540	58.65385
## 7456	33.8696	37.0	41.693211	68.9734	1.0700	1.0701530	60.57692
## 7458	33.2060	34.7	40.738877	69.2342	1.0700	1.0694350	61.90476
## 7460	91.0450	NA	115.244640	57.4062	1.0610	1.0339880	64.27372
## 7462	86.1470	NA	108.161550	58.2206	1.0610	1.0330110	64.36597
## 7464	81.2490	NA	101.078450	59.0350	1.0610	1.0328890	64.44614
## 7466	76.3510	NA	93.995355	59.8494	1.0610	1.0381280	63.48578
## 7468	71.4530	NA	86.912259	60.6638	1.0610	1.0362300	62.51280
## 7470	67.0028	NA	80.279132	62.1767	1.0610	1.0399460	61.46341
## 7472	63.0004	NA	74.095974	62.9142	1.0610	1.0414060	60.36737
## 7474	58.9980	NA	67.912816	63.6342	1.0610	1.0393800	59.82009

## 7476	54.9996	NA	63.035543	64.2440	1.0610	1.0426150	60.10453
## 7478	51.0012	NA	58.158270	64.6705	1.0610	1.0352410	61.03273
## 7480	48.4018	65.0	55.147003	64.8971	1.0610	1.0315730	62.23258
## 7482	47.2014	61.4	54.001742	64.9792	1.0610	1.0253710	63.39381
## 7484	46.0010	57.9	52.856480	64.9811	1.0610	1.0223150	64.36572
## 7486	46.0010	54.6	52.855340	64.8924	1.0610	1.0259300	64.78261
## 7488	46.0010	51.6	52.854200	64.7676	1.0610	1.0293650	65.37494
## 7490	43.9094	48.8	50.871297	64.8332	1.0610	1.0347730	65.58794
## 7492	39.7262	45.1	46.906630	65.3173	1.0610	1.0367370	65.48887
## 7494	35.5430	40.7	42.941963	66.1477	1.0610	1.0369960	65.21945
## 7496	33.8286	36.5	40.520170	66.9712	1.0610	1.0413260	64.56050
## 7498	32.1142	33.6	38.098377	67.4233	1.0610	1.0428330	63.94386
## 7500	30.8044	33.3	36.434254	67.3923	1.0604	1.0457490	63.58025
## 7502	29.8992	35.6	35.527800	67.0670	1.0592	1.0456080	63.72168
## 7504	28.9940	38.1	34.621346	66.7278	1.0580	1.0433770	64.44700
## 7506	27.1888	37.8	32.902271	66.5951	1.0556	1.0408710	65.25088
## 7508	25.3836	34.0	31.183196	66.7348	1.0532	1.0401230	66.40625
## 7510	23.3566	28.3	28.911118	67.0661	1.0542	1.0402890	67.89298
## 7512	21.1078	23.0	26.086036	67.3874	1.0586	1.0580920	69.75072
## 7514	18.8590	19.7	23.260955	67.6781	1.0630	1.0756910	71.59009
## 7516	17.5318	18.1	21.638738	68.2099	1.0602	1.0818580	72.48062
## 7518	16.2046	17.4	20.016521	69.1433	1.0574	1.0597050	73.12012
## 7520	15.2928	16.9	18.687196	70.2711	1.0566	1.0477180	73.59000
## 7522	14.7964	16.4	17.650763	71.1721	1.0578	1.0567590	74.12227
## 7524	14.3000	15.8	16.614330	71.6264	1.0590	1.0667110	74.26886
## 7526	197.3290	NA	312.807530	40.8514	1.0300	0.9978315	63.17781
## 7528	190.1130	NA	303.281540	42.0162	1.0300	0.9915400	62.08991
## 7530	182.8970	NA	293.755560	43.1810	1.0300	0.9864184	61.52047
## 7532	175.6810	NA	284.229570	44.3458	1.0300	0.9802136	60.22472
## 7534	168.4650	NA	274.703590	45.5106	1.0300	0.9786731	58.96885
## 7536	158.7934	NA	258.078800	49.2790	1.0300	0.9842856	57.23014
## 7538	146.6662	NA	234.355210	50.9873	1.0300	0.9910706	54.84180
## 7540	134.5390	NA	210.631620	52.4374	1.0300	0.9959017	53.38753
## 7542	128.1802	NA	199.621360	53.6805	1.0300	0.9994537	51.87394
## 7544	121.8214	NA	188.611100	54.8270	1.0300	0.9994595	51.20773
## 7546	116.2142	NA	178.879930	55.8015	1.0300	1.0001910	50.64541
## 7548	111.3586	NA	170.427860	56.4603	1.0300	1.0017660	49.92847
## 7550	106.5030	NA	161.975790	56.7808	1.0300	1.0032090	49.83097
## 7552	105.7014	NA	160.555500	56.8464	1.0300	1.0039600	50.25608
## 7554	104.8998	172.7	159.135220	56.8636	1.0300	1.0031760	51.30540
## 7556	104.0648	159.4	157.657390	57.0645	1.0300	1.0031730	52.13379
## 7558	103.1964	147.4	156.122020	57.5859	1.0300	1.0030030	52.82501
## 7560	102.3280	135.8	154.586640	58.3814	1.0300	1.0031160	53.48595
## 7562	98.0900	124.2	147.227090	59.2576	1.0300	1.0038640	54.00885
## 7564	93.8520	113.1	139.867530	59.9882	1.0300	1.0049690	54.88090
## 7566	86.8956	102.8	127.223320	60.4882	1.0300	1.0087320	55.63571
## 7568	77.2208	93.4	109.294450	60.8432	1.0300	1.0142880	56.42952
## 7570	67.5460	84.6	91.365583	61.2106	1.0300	1.0201900	57.52829
## 7572	62.1004	75.9	83.099146	61.7365	1.0300	1.0286720	59.07534
## 7574	56.6548	67.1	74.832708	62.4758	1.0300	1.0217270	60.47980
## 7576	51.3086	58.4	66.440618	63.3764	1.0300	1.0157950	62.52066
## 7578	46.0618	50.4	57.922875	64.2963	1.0300	1.0178280	65.12758
## 7580	40.8150	43.4	49.405132	65.1669	1.0300	1.0215930	67.27345
## 7582	36.6934	37.4	44.435771	66.0682	1.0300	1.0243760	68.63426

## 7584	32.5718	32.3	39.466411	67.0768	1.0300	1.0239940	69.08955
## 7586	28.9668	28.0	35.205523	68.1225	1.0300	1.0241600	69.01051
## 7588	25.8784	24.7	31.653108	69.0618	1.0300	1.0250800	68.49650
## 7590	22.7900	22.4	28.100693	69.8213	1.0300	1.0259020	67.79317
## 7592	132.7574	NA	146.736900	57.8994	1.0800	1.0479180	56.85786
## 7594	126.4162	NA	139.800630	58.8342	1.0800	1.0575770	57.81991
## 7596	120.0750	NA	132.864350	59.7690	1.0800	1.0656480	58.33333
## 7598	113.7338	NA	125.928080	60.7038	1.0800	1.0743880	58.87446
## 7600	107.3926	NA	118.991800	61.6386	1.0800	1.0769380	59.20502
## 7602	97.7530	NA	108.409510	64.3918	1.0800	1.0795520	59.23695
## 7604	84.8150	NA	94.181183	65.7029	1.0800	1.0815310	58.73321
## 7606	71.8770	NA	79.952861	66.8844	1.0800	1.0789900	58.80150
## 7608	62.9554	NA	70.081221	68.0122	1.0800	1.0797180	58.86792
## 7610	54.0338	NA	60.209582	69.1696	1.0800	1.0802310	60.00000
## 7612	46.2674	NA	51.614605	70.2760	1.0800	1.0796010	60.42065
## 7614	39.6562	NA	44.296289	71.1753	1.0800	1.0793990	60.78067
## 7616	33.0450	NA	36.977974	71.8111	1.0800	1.0797880	62.27437
## 7618	31.2286	NA	34.961131	72.2640	1.0800	1.0794690	63.18584
## 7620	29.4122	NA	32.944288	72.6698	1.0800	1.0791810	64.17391
## 7622	27.9626	NA	31.332114	73.0703	1.0800	1.0787420	65.13605
## 7624	26.8798	NA	30.124608	73.4219	1.0800	1.0774070	65.83748
## 7626	25.7970	24.6	28.917102	73.7113	1.0800	1.0791600	66.28664
## 7628	24.0778	20.5	27.039280	74.0069	1.0800	1.0795550	66.23377
## 7630	22.3586	17.6	25.161459	74.3180	1.0800	1.0806590	66.17886
## 7632	20.7826	16.0	23.436561	74.5104	1.0800	1.0814340	66.39610
## 7634	19.3498	15.3	21.864588	74.4086	1.0800	1.0808780	66.72052
## 7636	17.9170	15.1	20.292615	74.0222	1.0800	1.0780220	67.09677
## 7638	15.3782	14.9	17.246393	73.5490	1.0800	1.0762950	66.66667
## 7640	12.8394	14.3	14.200171	73.2386	1.0800	1.0750400	67.15447
## 7642	11.5700	13.2	12.677159	73.1879	1.0800	1.0731840	66.88418
## 7644	11.5700	11.9	12.677357	73.3212	1.0800	1.0718780	66.77524
## 7646	11.5700	10.4	12.677555	73.5843	1.0800	1.0744290	66.93679
## 7648	11.2980	8.9	12.306216	74.0406	1.0800	1.0795370	66.50485
## 7650	11.0260	7.4	11.934877	74.6878	1.0800	1.0837460	66.98873
## 7652	9.5286	6.2	10.844509	75.3913	1.0780	1.0819600	67.84566
## 7654	6.8058	5.3	9.035110	75.9702	1.0740	1.0757210	67.36000
## 7656	4.0830	4.7	7.225712	76.3377	1.0700	1.0689520	67.57188
## 7658	157.6716	NA	267.364320	44.2500	1.0500	1.0468880	57.23713
## 7660	154.4068	NA	259.665710	44.9600	1.0500	1.0290480	56.30209
## 7662	151.1420	NA	251.967100	45.6700	1.0500	1.0219980	55.61268
## 7664	147.8772	254.4	244.268490	46.3800	1.0500	1.0169550	54.09865
## 7666	144.6124	244.3	236.569870	47.0900	1.0500	1.0232580	52.92887
## 7668	140.9662	234.5	228.394030	48.8641	1.0500	1.0316500	51.54566
## 7670	136.9386	224.5	219.740940	49.7148	1.0500	1.0364180	49.92216
## 7672	132.9110	214.1	211.087850	50.5649	1.0500	1.0396390	49.00695
## 7674	128.8054	203.4	202.580230	51.3814	1.0500	1.0395280	48.50791
## 7676	124.6998	193.2	194.072600	52.1601	1.0500	1.0398740	48.66140
## 7678	120.7400	184.4	186.068220	52.9037	1.0500	1.0386360	49.03600
## 7680	116.9260	176.1	178.567080	53.6363	1.0500	1.0394220	49.65199
## 7682	113.1120	166.2	171.065940	54.4487	1.0500	1.0414470	50.57690
## 7684	108.6588	154.1	162.758450	55.4782	1.0500	1.0424890	51.67211
## 7686	104.2056	140.6	154.450950	56.7753	1.0500	1.0426880	52.82980
## 7688	98.3518	127.2	143.855960	58.2919	1.0500	1.0419130	53.74179
## 7690	91.0974	114.6	130.973460	59.8896	1.0500	1.0400430	54.42246

## 7692	83.8430	103.0	118.090960	61.4208	1.0500	1.0394590	55.04072
## 7694	76.9362	92.7	106.623260	62.8267	1.0516	1.0414630	55.51358
## 7696	70.0294	84.0	95.155548	64.1048	1.0532	1.0455310	56.13949
## 7698	63.8596	76.5	85.174848	65.2031	1.0548	1.0493260	56.79654
## 7700	58.4268	69.7	76.681154	66.0938	1.0564	1.0497700	57.35350
## 7702	52.9940	63.3	68.187461	66.8207	1.0580	1.0486610	58.19895
## 7704	49.4144	57.5	62.986473	67.4712	1.0592	1.0496770	59.24680
## 7706	45.8348	52.3	57.785484	68.1392	1.0604	1.0520800	60.57770
## 7708	42.5582	47.9	53.203632	68.8720	1.0612	1.0549820	61.81669
## 7710	39.5846	43.9	49.240916	69.6454	1.0616	1.0555670	62.86519
## 7712	36.6110	40.4	45.278201	70.4398	1.0620	1.0543810	63.82215
## 7714	35.2282	37.3	43.093753	71.2776	1.0608	1.0532460	64.77057
## 7716	33.8454	34.5	40.909305	72.1482	1.0596	1.0508050	65.56204
## 7718	32.1492	31.9	38.428257	72.9854	1.0592	1.0511500	66.12259
## 7720	30.1396	29.7	35.650609	73.7090	1.0596	1.0529630	66.50226
## 7722	28.1300	27.6	32.872960	74.2893	1.0600	1.0546860	66.61431
## 7724	235.1068	NA	389.141780	29.2854	1.0300	0.9885372	55.31616
## 7726	227.6144	NA	377.474130	30.2862	1.0300	0.9902512	55.22930
## 7728	220.1220	NA	365.806480	31.2870	1.0300	0.9916716	55.40105
## 7730	212.6296	NA	354.138840	32.2878	1.0300	0.9929253	54.98588
## 7732	205.1372	NA	342.471190	33.2886	1.0300	0.9934595	54.91156
## 7734	198.0708	NA	331.359920	35.4668	1.0300	0.9945245	54.66440
## 7736	191.4304	NA	320.805030	36.3388	1.0300	0.9953187	54.35247
## 7738	184.7900	278.0	310.250140	37.1492	1.0300	0.9960296	54.28158
## 7740	179.6964	275.9	302.004840	37.9537	1.0300	0.9967471	53.77250
## 7742	174.6028	273.7	293.759540	38.7982	1.0300	0.9966216	53.59311
## 7744	169.3240	271.5	285.152550	39.7060	1.0300	0.9975067	53.37981
## 7746	163.8600	269.4	276.183870	40.6510	1.0300	0.9982699	53.19127
## 7748	158.3960	266.7	267.215190	41.4868	1.0300	0.9988226	53.19558
## 7750	154.2112	264.4	260.159810	41.9606	1.0300	1.0003430	52.95401
## 7752	150.0264	262.5	253.104420	41.9967	1.0300	1.0005260	52.88759
## 7754	148.7102	261.0	250.905720	41.7679	1.0300	1.0031430	52.54722
## 7756	150.2626	258.3	253.563690	41.6154	1.0300	1.0072430	51.97776
## 7758	151.8150	253.8	256.221660	41.7721	1.0300	1.0044920	51.87362
## 7760	149.6354	248.5	252.478090	42.2099	1.0300	1.0063510	50.62395
## 7762	147.4558	242.8	248.734530	42.7818	1.0300	0.9999931	49.82552
## 7764	144.1550	236.4	243.207680	43.5373	1.0300	0.9957606	50.16764
## 7766	139.7330	227.7	235.897550	44.5977	1.0300	0.9981096	51.28587
## 7768	135.3110	215.2	228.587420	45.8988	1.0300	1.0045370	52.08949
## 7770	126.8262	198.8	212.272400	47.1903	1.0300	1.0038560	51.89948
## 7772	118.3414	180.1	195.957380	48.2549	1.0300	1.0047920	51.92979
## 7774	110.1364	162.5	180.294070	49.0702	1.0300	1.0063650	51.72671
## 7776	102.2112	147.1	165.282450	49.8116	1.0300	1.0085020	51.41008
## 7778	94.2860	133.8	150.270840	50.6416	1.0300	1.0105830	51.25195
## 7780	87.7976	120.1	138.998430	51.6221	1.0300	1.0131290	50.90568
## 7782	81.3092	107.6	127.726020	52.6913	1.0300	1.0130170	50.81614
## 7784	75.9170	97.5	118.319840	53.7383	1.0300	1.0136930	50.82544
## 7786	71.6210	85.6	110.779890	54.6415	1.0300	1.0143470	50.98987
## 7788	67.3250	78.5	103.239940	55.3712	1.0300	1.0148750	51.35106
## 7790	243.2320	NA	360.365860	31.9278	1.0300	0.9867337	61.10364
## 7792	228.1340	NA	338.429940	33.9974	1.0300	0.9567941	59.81112
## 7794	213.0360	NA	316.494020	36.0670	1.0300	0.9492887	59.03433
## 7796	197.9380	NA	294.558100	38.1366	1.0300	0.9487955	57.59308
## 7798	182.8400	NA	272.622180	40.2062	1.0300	0.9618424	56.64875

## 7800	171.4024	NA	255.888830	43.4025	1.0300	0.9773656	55.60969
## 7802	163.6252	NA	244.358050	45.0039	1.0300	0.9778127	54.47771
## 7804	155.8480	NA	232.827280	46.9664	1.0300	0.9756536	53.88778
## 7806	143.0644	NA	212.491070	48.9164	1.0300	0.9780276	53.58474
## 7808	130.2808	183.3	192.154870	50.4186	1.0300	0.9865167	53.79565
## 7810	121.4220	175.2	177.999010	51.4096	1.0300	0.9926717	53.91938
## 7812	116.4880	167.1	170.023500	52.1626	1.0300	0.9941962	54.09106
## 7814	111.5540	159.1	162.047990	52.9242	1.0300	0.9947627	54.38138
## 7816	107.1328	151.2	154.988520	53.7384	1.0300	0.9962537	54.54857
## 7818	102.7116	143.6	147.929050	54.5447	1.0300	0.9984024	54.84024
## 7820	98.4918	136.7	141.217550	55.3344	1.0300	1.0009360	55.14612
## 7822	94.4734	130.3	134.854000	56.1071	1.0300	1.0021720	55.49055
## 7824	90.4550	124.3	128.490460	56.8639	1.0300	1.0031770	56.10782
## 7826	86.7734	118.5	122.708180	57.6062	1.0300	1.0047590	56.71041
## 7828	83.0918	112.7	116.925890	58.3359	1.0300	1.0058000	57.65346
## 7830	79.5528	107.0	111.377980	59.0485	1.0300	1.0078050	58.63154
## 7832	76.1564	101.1	106.064430	59.7392	1.0300	1.0092070	59.54585
## 7834	72.7600	95.4	100.750880	60.4114	1.0300	1.0092720	60.61148
## 7836	69.7356	90.0	96.009842	61.0799	1.0300	1.0108630	61.70908
## 7838	66.7112	84.8	91.268802	61.7490	1.0300	1.0112270	62.82718
## 7840	63.7338	79.9	86.609739	62.3990	1.0300	1.0122690	63.59864
## 7842	60.8034	75.2	82.032654	63.0021	1.0300	1.0132830	64.03329
## 7844	57.8730	70.5	77.455568	63.5553	1.0300	1.0142480	64.40461
## 7846	55.6126	65.8	73.920400	64.0937	1.0300	1.0156130	64.60482
## 7848	53.3522	61.4	70.385233	64.6436	1.0300	1.0163530	64.96330
## 7850	50.7792	57.2	66.384520	65.1809	1.0300	1.0167620	65.54694
## 7852	47.8936	53.5	61.918262	65.6541	1.0300	1.0155960	66.30870
## 7854	45.0080	50.0	57.452004	66.0421	1.0300	1.0142390	67.08908
## 7856	189.7344	NA	284.016540	38.9268	1.0300	1.0266430	56.68016
## 7858	180.6712	NA	270.365450	40.3364	1.0300	0.9944077	55.72816
## 7860	171.6080	NA	256.714360	41.7460	1.0300	0.9813937	55.39033
## 7862	162.5448	NA	243.063270	43.1556	1.0300	0.9740964	54.98221
## 7864	153.4816	NA	229.412180	44.5652	1.0300	0.9856629	55.00849
## 7866	145.2392	NA	216.720470	47.4992	1.0300	0.9982320	54.20712
## 7868	137.8176	NA	204.988130	48.6861	1.0300	0.9982333	54.23729
## 7870	130.3960	NA	193.255790	49.8152	1.0300	0.9955362	53.58712
## 7872	124.2336	96.1	183.049060	50.9087	1.0300	0.9958816	53.26843
## 7874	118.0712	96.4	172.842320	51.9883	1.0300	0.9998609	53.29815
## 7876	112.2688	97.0	163.367460	53.0659	1.0300	1.0034990	53.35821
## 7878	106.8264	97.5	154.624480	54.1363	1.0300	1.0053680	52.68692
## 7880	101.3840	98.1	145.881500	55.1871	1.0300	1.0024510	52.09713
## 7882	95.2536	98.6	136.131570	56.2147	1.0300	1.0047420	51.15789
## 7884	89.1232	98.4	126.381650	57.2049	1.0300	1.0045850	50.30242
## 7886	84.4454	96.5	118.976120	58.1490	1.0300	1.0039580	49.66184
## 7888	81.2202	92.5	113.914980	59.0388	1.0300	1.0022050	49.58372
## 7890	77.9950	87.0	108.853840	59.8391	1.0300	1.0040210	49.60836
## 7892	73.9526	81.1	102.492710	60.5415	1.0300	1.0025480	50.92221
## 7894	69.9102	75.7	96.131567	61.0725	1.0300	1.0035560	52.24100
## 7896	66.4792	71.7	90.523254	61.2691	1.0300	1.0045880	53.34243
## 7898	63.6596	69.7	85.667767	60.9770	1.0300	1.0039700	53.84615
## 7900	60.8400	70.2	80.812280	60.0950	1.0300	1.0035910	54.59492
## 7902	60.6072	72.4	79.979584	58.3749	1.0300	1.0052110	55.17634
## 7904	60.3744	74.9	79.146889	56.1393	1.0300	1.0054190	55.84276
## 7906	60.0896	76.0	78.634238	54.4047	1.0300	1.0061670	56.24029



## 7908	59.7528	75.2	78.441632	54.2790	1.0300	1.0061130	56.51515
## 7910	59.4160	71.7	78.249026	55.9774	1.0300	1.0055960	56.83276
## 7912	54.2764	64.0	71.160704	58.7808	1.0300	1.0061720	57.56121
## 7914	49.1368	56.7	64.072383	61.4409	1.0300	1.0076810	58.24431
## 7916	44.5322	51.6	57.497510	63.2772	1.0300	1.0100090	58.88393
## 7918	40.4626	47.7	51.436087	64.3439	1.0300	1.0113800	59.46292
## 7920	36.3930	45.4	45.374663	64.9154	1.0300	1.0126640	59.78040
## 7922	232.1760	NA	344.784910	33.5660	1.0450	1.0411710	59.16599
## 7924	230.3580	NA	342.235950	33.7880	1.0450	1.0321560	58.36117
## 7926	228.5400	NA	339.686990	34.0100	1.0450	1.0318160	58.21763
## 7928	226.7220	334.3	337.138020	34.2320	1.0450	1.0306000	57.50469
## 7930	224.9040	330.4	334.589060	34.4540	1.0450	1.0341370	57.35784
## 7932	221.4008	323.0	329.623570	35.5333	1.0450	1.0367390	56.93031
## 7934	216.2124	312.6	322.241550	36.4252	1.0450	1.0368280	56.15932
## 7936	211.0240	300.0	314.859530	37.5057	1.0450	1.0351630	55.90096
## 7938	202.3952	286.3	302.361090	38.6950	1.0450	1.0340560	55.70885
## 7940	193.7664	273.6	289.862660	39.9088	1.0450	1.0352080	56.02076
## 7942	185.3974	261.8	277.622810	41.0881	1.0450	1.0356340	56.08241
## 7944	177.2882	250.8	265.641540	42.2361	1.0450	1.0362770	55.99467
## 7946	169.1790	239.8	253.660270	43.3871	1.0450	1.0373840	55.99039
## 7948	161.7034	228.3	242.409230	44.5784	1.0450	1.0381850	55.62024
## 7950	154.2278	215.8	231.158190	45.8454	1.0450	1.0388120	55.35555
## 7952	146.4926	202.9	219.164520	47.1982	1.0450	1.0396590	55.05316
## 7954	138.4978	189.8	206.428240	48.6207	1.0450	1.0414430	54.75445
## 7956	130.5030	176.5	193.691960	50.1063	1.0450	1.0392990	54.61888
## 7958	122.1150	162.3	180.007080	51.6782	1.0450	1.0358810	54.21818
## 7960	113.7270	147.9	166.322190	53.3397	1.0450	1.0353070	54.02789
## 7962	105.1518	133.6	152.478700	55.0586	1.0468	1.0387980	54.03888
## 7964	96.3894	120.0	138.476590	56.7853	1.0504	1.0463690	54.31272
## 7966	87.6270	107.7	124.474490	58.4644	1.0540	1.0478620	54.75200
## 7968	79.9478	96.3	112.360660	60.0717	1.0608	1.0594220	54.85153
## 7970	72.2686	85.6	100.246830	61.6001	1.0676	1.0630560	55.03324
## 7972	65.3146	75.9	89.297568	63.0222	1.0710	1.0668300	55.31897
## 7974	59.0858	67.4	79.512882	64.3204	1.0710	1.0702040	55.54930
## 7976	52.8570	60.0	69.728197	65.4943	1.0710	1.0660100	55.80429
## 7978	48.2278	53.6	62.637863	66.5519	1.0642	1.0571080	56.61449
## 7980	43.5986	48.0	55.547530	67.5184	1.0574	1.0490970	57.39480
## 7982	39.5944	43.1	49.635011	68.4066	1.0562	1.0405790	58.61879
## 7984	36.2152	39.0	44.900308	69.2220	1.0606	1.0464350	60.30178
## 7986	32.8360	35.8	40.165605	69.9733	1.0650	1.0591440	61.79637
## 7988	26.7896	30.4	34.972730	71.1204	1.0580	1.0557950	62.78451
## 7990	24.8928	27.6	32.502715	71.5252	1.0580	1.0542960	62.49640
## 7992	22.9960	25.1	30.032699	71.9300	1.0580	1.0529750	61.75452
## 7994	21.0992	23.1	27.562684	72.3348	1.0580	1.0501550	61.40239
## 7996	19.2024	21.5	25.092669	72.7396	1.0580	1.0506630	60.95872
## 7998	17.7338	20.3	23.112519	73.6527	1.0580	1.0517150	61.01417
## 8000	16.6934	19.3	21.622234	73.3371	1.0580	1.0515980	61.57014
## 8002	15.6530	18.3	20.131949	73.5688	1.0580	1.0511700	62.09070
## 8004	14.6962	17.4	18.962793	73.8041	1.0580	1.0515440	62.25948
## 8006	13.7394	16.4	17.793637	73.5395	1.0580	1.0513110	62.32257
## 8008	12.8020	15.3	16.635982	73.8095	1.0580	1.0522430	62.58394
## 8010	11.8840	14.1	15.489828	74.1439	1.0580	1.0536900	63.01144
## 8012	10.9660	13.1	14.343674	74.4988	1.0580	1.0537910	63.65440
## 8014	10.2796	12.1	13.368254	75.2215	1.0580	1.0537770	64.52126

## 8016	9.5932	11.2	12.392834	75.6061	1.0580	1.0514940	65.50863
## 8018	9.0580	10.6	11.577225	75.9344	1.0580	1.0508910	66.63376
## 8020	8.6740	10.2	10.921426	76.1641	1.0580	1.0517760	67.72302
## 8022	8.2900	9.7	10.265628	76.2846	1.0580	1.0530290	68.61526
## 8024	7.9132	9.2	9.761140	76.7051	1.0580	1.0508780	69.00581
## 8026	7.5364	8.6	9.256653	76.7341	1.0580	1.0483870	69.18405
## 8028	7.1132	8.0	8.719952	77.0000	1.0580	1.0495100	69.10786
## 8030	6.6436	7.4	8.151038	76.9166	1.0580	1.0512890	68.88247
## 8032	6.1740	6.9	7.582124	77.4046	1.0580	1.0525190	68.60397
## 8034	5.8188	6.5	7.126305	77.7944	1.0580	1.0540370	68.27833
## 8036	5.4636	6.3	6.670487	77.8366	1.0580	1.0528460	68.05846
## 8038	5.1998	6.1	6.326624	78.1902	1.0580	1.0535400	67.88664
## 8040	5.0274	5.7	6.094716	78.4927	1.0580	1.0550960	67.74293
## 8042	4.8550	5.4	5.862809	79.3463	1.0580	1.0568110	67.64022
## 8044	4.5558	5.0	5.480633	80.0976	1.0580	1.0571940	67.49681
## 8046	4.2566	4.6	5.098457	80.5488	1.0580	1.0566900	67.31222
## 8048	3.9764	4.3	4.753498	81.2049	1.0574	1.0560770	66.82246
## 8050	3.7152	4.0	4.445754	81.3049	1.0562	1.0554140	66.00036
## 8052	3.4540	3.8	4.138011	81.7073	1.0550	1.0552770	65.23486
## 8054	132.9168	NA	196.846070	47.6468	1.0500	1.0320590	59.37500
## 8056	124.7884	NA	183.793610	49.1924	1.0500	1.0308520	60.00000
## 8058	116.6600	NA	170.741140	50.7380	1.0500	1.0337410	58.82353
## 8060	108.5316	NA	157.688680	52.2836	1.0500	1.0315100	56.94444
## 8062	100.4032	NA	144.636220	53.8292	1.0500	1.0288900	59.21053
## 8064	92.9698	NA	132.763840	59.0390	1.0500	1.0265390	58.75000
## 8066	86.2314	NA	122.071550	59.8878	1.0500	1.0236580	58.13953
## 8068	79.4930	NA	111.379260	60.7854	1.0500	1.0176710	57.14286
## 8070	73.9114	NA	102.555630	61.6829	1.0500	1.0116780	57.29167
## 8072	68.3298	NA	93.732005	62.5805	1.0500	1.0014730	60.39604
## 8074	63.2156	NA	85.679341	63.4781	1.0500	1.0046300	58.71560
## 8076	58.5688	NA	78.397638	64.3756	1.0500	1.0176970	57.98319
## 8078	53.9220	NA	71.115935	65.2732	1.0500	1.0264290	58.13953
## 8080	50.0068	NA	65.120588	66.1707	1.0500	1.0392820	57.77778
## 8082	46.0916	NA	59.125241	66.4366	1.0500	1.0361540	59.28571
## 8084	42.4976	NA	53.763535	66.7024	1.0500	1.0304400	59.02778
## 8086	39.2248	NA	49.035470	68.5878	1.0500	1.0299880	59.73154
## 8088	35.9520	NA	44.307404	68.7659	1.0500	1.0334480	61.03896
## 8090	33.2904	NA	40.765135	69.4268	1.0500	1.0382080	61.00629
## 8092	30.6288	NA	37.222867	69.0854	1.0500	1.0429650	62.42424
## 8094	28.2962	NA	34.152993	70.3585	1.0500	1.0498300	63.37209
## 8096	26.2926	NA	31.555514	71.6561	1.0500	1.0541300	65.00000
## 8098	24.2890	NA	28.958035	72.0098	1.0500	1.0529620	65.78947
## 8100	22.7486	NA	27.009061	71.7390	1.0500	1.0449840	63.63636
## 8102	21.2082	NA	25.060088	73.8756	1.0500	1.0421830	66.01942
## 8104	19.8342	NA	23.343290	74.8317	1.0500	1.0390320	65.42056
## 8106	18.6266	NA	21.858667	75.2707	1.0500	1.0371660	65.61086
## 8108	17.4190	NA	20.374044	75.1683	1.0500	1.0434870	65.93886
## 8110	16.4778	NA	19.239219	75.9463	1.0500	1.0526000	66.10169
## 8112	15.5366	NA	18.104395	76.9659	1.0500	1.0624940	67.48971
## 8114	14.6566	NA	17.048414	76.7268	1.0500	1.0630740	67.60000
## 8116	13.8378	NA	16.071279	77.3220	1.0500	1.0541700	67.31518
## 8118	13.0190	NA	15.094143	77.7732	1.0500	1.0446930	68.06084
## 8120	28.6762	34.8	36.360278	68.9104	1.0666	1.0549400	61.44764
## 8122	27.6146	33.0	34.862046	69.2952	1.0638	1.0617930	60.68627

## 8124	26.5530	31.3	33.363814	69.6800	1.0610	1.0616340	59.78464
## 8126	25.4914	30.1	31.865581	70.0648	1.0582	1.0620940	59.08479
## 8128	24.4298	28.8	30.367349	70.4496	1.0554	1.0512280	58.45889
## 8130	23.2462	26.8	28.738623	70.9854	1.0544	1.0495300	58.33333
## 8132	21.9406	24.7	26.979404	71.2805	1.0552	1.0512970	58.75148
## 8134	20.6350	23.1	25.220185	71.2268	1.0560	1.0497420	59.24658
## 8136	19.5266	22.0	23.944794	71.4732	1.0536	1.0549440	59.39349
## 8138	18.4182	21.2	22.669404	71.4732	1.0512	1.0411270	59.54611
## 8140	17.4888	20.3	21.558744	71.7732	1.0500	1.0315300	59.97910
## 8142	16.7384	19.4	20.612815	71.6683	1.0500	1.0313450	60.65574
## 8144	15.9880	18.3	19.666885	72.2195	1.0500	1.0336150	61.36880
## 8146	15.0348	17.1	18.459152	72.1683	1.0508	1.0346670	61.70349
## 8148	14.0816	16.1	17.251420	73.0683	1.0516	1.0316120	62.59566
## 8150	13.2502	15.2	16.190186	73.6219	1.0528	1.0365680	63.60190
## 8152	12.5406	14.5	15.275451	73.7756	1.0544	1.0467330	64.35459
## 8154	11.8310	13.8	14.360716	73.8293	1.0560	1.0529270	65.06577
## 8156	11.2930	12.9	13.718127	74.1780	1.0540	1.0504460	65.35790
## 8158	10.7550	11.8	13.075539	74.8244	1.0520	1.0453580	65.65476
## 8160	9.8616	10.6	12.026767	76.0317	1.0534	1.0461110	65.61230
## 8162	8.6128	9.5	10.571812	76.4341	1.0582	1.0560840	65.52595
## 8164	7.3640	8.7	9.116857	76.7341	1.0630	1.0635480	65.49660
## 8166	6.8980	8.1	8.561006	77.3341	1.0606	1.0692010	65.29851
## 8168	6.4320	7.6	8.005154	77.8902	1.0582	1.0593300	65.39167
## 8170	6.0384	7.2	7.519484	78.6927	1.0550	1.0489930	65.72818
## 8172	5.7172	6.9	7.103997	79.1463	1.0510	1.0447470	66.09453
## 8174	5.3960	6.6	6.688510	79.8512	1.0470	1.0462860	66.43289
## 8176	5.2200	6.4	6.471361	80.1512	1.0506	1.0501710	66.56442
## 8178	5.0440	6.3	6.254212	80.7024	1.0542	1.0542710	66.55117
## 8180	4.8374	6.1	5.969486	80.9049	1.0560	1.0576360	66.17480
## 8182	4.6002	5.9	5.617182	81.4073	1.0560	1.0562050	65.55431
## 8184	4.3630	5.7	5.264878	81.4568	1.0560	1.0543670	64.92933
## 8186	189.6266	NA	276.449980	39.7726	1.0500	1.0593920	53.82883
## 8188	180.9758	NA	265.056600	41.0298	1.0500	1.0362390	52.68741
## 8190	172.3250	211.0	253.663230	42.2870	1.0500	1.0283700	52.05570
## 8192	163.6742	205.8	242.269850	43.5442	1.0500	1.0230990	51.02421
## 8194	155.0234	201.5	230.876470	44.8014	1.0500	1.0281130	50.58140
## 8196	146.8232	197.0	219.876100	47.6457	1.0500	1.0337360	49.83607
## 8198	139.0736	192.5	209.268740	48.9505	1.0500	1.0334080	48.79053
## 8200	131.3240	187.6	198.661390	50.2706	1.0500	1.0308060	48.42462
## 8202	124.3044	182.0	188.721190	51.6195	1.0500	1.0298070	48.53881
## 8204	117.2848	175.2	178.781000	52.9781	1.0500	1.0309530	49.05417
## 8206	110.5944	167.2	169.226790	54.2867	1.0500	1.0321050	49.53498
## 8208	104.2332	157.1	160.058560	55.4759	1.0500	1.0331340	50.11407
## 8210	97.8720	144.7	150.890320	56.5089	1.0500	1.0329320	50.41115
## 8212	94.7808	130.5	145.593670	57.3700	1.0500	1.0327660	50.38681
## 8214	91.6896	116.0	140.297020	58.1285	1.0500	1.0312350	50.36427
## 8216	88.0756	102.7	133.585790	58.8731	1.0500	1.0304500	50.25426
## 8218	83.9388	91.5	125.459980	59.6895	1.0500	1.0303520	50.08503
## 8220	79.8020	82.7	117.334170	60.6678	1.0500	1.0296430	50.14829
## 8222	73.8792	75.6	106.425720	61.9101	1.0500	1.0321410	50.32192
## 8224	67.9564	69.7	95.517263	63.3705	1.0500	1.0329770	50.73964
## 8226	61.5948	64.0	84.411739	64.8841	1.0500	1.0341600	51.47510
## 8228	54.7944	58.3	73.109143	66.2391	1.0500	1.0349290	52.34975
## 8230	47.9940	52.7	61.806547	67.3428	1.0500	1.0361040	53.30587

## 8232	42.2276	47.4	54.614722	68.2741	1.0500	1.0383740	54.54356
## 8234	36.4612	42.5	47.422898	69.1902	1.0500	1.0409510	55.87879
## 8236	32.1498	38.3	41.497211	70.1274	1.0500	1.0433400	57.18487
## 8238	29.2934	34.7	36.837662	71.0250	1.0500	1.0431350	58.55753
## 8240	26.4370	31.7	32.178113	71.8381	1.0500	1.0419310	59.80666
## 8242	25.4662	29.2	30.795840	72.5717	1.0500	1.0407400	60.93807
## 8244	24.4954	27.1	29.413566	73.2548	1.0500	1.0427980	61.96611
## 8246	23.1992	25.2	27.679853	73.9013	1.0500	1.0445890	62.96488
## 8248	21.5776	23.5	25.594702	74.5148	1.0500	1.0450890	64.07669
## 8250	19.9560	22.1	23.509550	75.0981	1.0500	1.0451350	64.87997
## 8252	163.2096	NA	325.615400	34.7062	1.0500	0.8363588	49.63974
## 8254	162.5368	NA	325.552790	34.8386	1.0500	0.9689818	49.82130
## 8256	161.8640	NA	325.490170	34.9710	1.0500	1.0412620	50.50676
## 8258	161.1912	NA	325.427560	35.1034	1.0500	1.0922470	50.38388
## 8260	160.5184	NA	325.364940	35.2358	1.0500	1.0535930	50.60569
## 8262	159.8354	NA	325.009440	35.5943	1.0500	1.0151550	50.52963
## 8264	159.1422	NA	324.361040	35.7296	1.0500	1.0221240	50.17553
## 8266	158.4490	NA	323.712640	35.8435	1.0500	1.0414130	50.05099
## 8268	157.3018	315.1	324.013250	35.9643	1.0500	1.0478610	49.80695
## 8270	156.1546	322.9	324.313860	36.1432	1.0500	1.0421030	49.95430
## 8272	154.6010	330.9	324.613240	36.4129	1.0500	1.0395810	50.10813
## 8274	152.6410	337.0	324.911380	36.7800	1.0500	1.0391630	50.08183
## 8276	150.6810	337.1	325.209520	37.2772	1.0500	1.0404000	50.31909
## 8278	145.8914	330.5	324.462160	37.9835	1.0500	1.0433920	50.37429
## 8280	141.1018	322.0	323.714810	38.8980	1.0500	1.0423120	50.50871
## 8282	137.5478	319.1	321.378770	39.9132	1.0500	1.0453920	50.26101
## 8284	135.2294	324.5	317.454030	40.8720	1.0500	1.0437340	50.06952
## 8286	132.9110	332.9	313.529300	41.7194	1.0500	1.0396930	50.13162
## 8288	135.2654	336.9	315.889960	42.5262	1.0500	1.0383050	50.06912
## 8290	137.6198	332.9	318.250630	43.4345	1.0500	1.0375970	50.01955
## 8292	136.9776	321.9	314.210980	44.5166	1.0500	1.0408980	49.82250
## 8294	133.3388	303.8	303.771000	45.7653	1.0500	1.0388660	49.94274
## 8296	129.7000	279.5	293.331030	47.1290	1.0500	1.0385120	50.13886
## 8298	118.8748	255.9	272.749810	48.5592	1.0500	1.0402600	49.94532
## 8300	108.0496	236.4	252.168590	49.9972	1.0500	1.0410350	49.69042
## 8302	99.7250	217.6	232.782040	51.3720	1.0500	1.0447030	49.23553
## 8304	93.9010	195.7	214.590140	52.6546	1.0500	1.0444090	48.81846
## 8306	88.0770	172.7	196.398240	53.9369	1.0500	1.0425540	48.44642
## 8308	82.7462	151.3	178.250700	55.4550	1.0500	1.0444520	47.97274
## 8310	77.4154	132.1	160.103160	57.2850	1.0500	1.0438770	47.62634
## 8312	72.9556	116.1	144.705090	59.2046	1.0500	1.0450620	47.34451
## 8314	69.3668	104.1	132.056500	60.8281	1.0500	1.0444890	47.10753
## 8316	65.7780	95.5	119.407900	61.9690	1.0500	1.0432200	46.95713
## 8318	211.6174	NA	353.380580	32.4160	1.0590	1.0365640	55.16900
## 8320	206.0082	NA	344.420510	33.2140	1.0590	1.0216320	55.27853
## 8322	200.3990	NA	335.460440	34.0120	1.0590	1.0150730	55.55907
## 8324	194.7898	NA	326.500370	34.8100	1.0590	1.0118010	55.38260
## 8326	189.1806	NA	317.540290	35.6080	1.0590	1.0176510	55.45678
## 8328	183.6450	NA	308.053080	37.6383	1.0590	1.0242620	55.34847
## 8330	178.1830	NA	298.038720	38.4999	1.0590	1.0253550	55.18617
## 8332	172.7210	320.5	288.024360	39.2809	1.0590	1.0248660	55.19815
## 8334	167.4246	307.0	280.482880	40.0189	1.0590	1.0254450	54.80951
## 8336	162.1282	292.6	272.941410	40.7793	1.0590	1.0275720	54.64555
## 8338	157.0236	277.1	265.113800	41.6022	1.0590	1.0291280	54.36618

## 8340	152.1108	260.4	257.000060	42.4862	1.0590	1.0307360	54.02007
## 8342	147.1980	244.3	248.886330	43.3976	1.0590	1.0333780	53.82836
## 8344	141.9788	229.9	240.381850	44.3169	1.0590	1.0353400	53.43043
## 8346	136.7596	218.6	231.877380	45.1772	1.0590	1.0364810	53.28335
## 8348	132.3712	211.5	224.477190	45.8524	1.0590	1.0373600	52.91500
## 8350	128.8136	208.9	218.181280	46.2396	1.0590	1.0380980	52.42569
## 8352	125.2560	209.5	211.885380	46.3453	1.0590	1.0386420	52.20376
## 8354	125.5352	211.5	212.140740	46.2637	1.0590	1.0388200	51.98104
## 8356	125.8144	212.6	212.396100	46.1498	1.0590	1.0386770	52.10187
## 8358	125.9494	212.2	212.666610	46.0870	1.0590	1.0385220	52.28065
## 8360	125.9402	211.0	212.952280	46.0728	1.0590	1.0385490	52.54448
## 8362	125.9310	207.8	213.237940	46.1141	1.0590	1.0390430	53.00254
## 8364	122.9818	201.4	208.108530	46.2245	1.0590	1.0395540	53.19237
## 8366	120.0326	192.0	202.979120	46.4427	1.0590	1.0400820	53.52177
## 8368	115.6462	181.3	194.676940	46.8812	1.0590	1.0411530	53.65076
## 8370	109.8226	169.9	183.201990	47.6377	1.0590	1.0423030	53.64831
## 8372	103.9990	158.1	171.727040	48.6665	1.0590	1.0435530	53.69811
## 8374	98.3658	146.4	159.895670	49.8081	1.0590	1.0448680	53.45765
## 8376	92.7326	135.5	148.064310	50.8686	1.0590	1.0458440	53.35906
## 8378	87.1930	125.5	138.157950	51.7378	1.0590	1.0473150	53.24174
## 8380	81.7470	116.6	130.176610	52.4421	1.0590	1.0488460	53.14581
## 8382	76.3010	108.8	122.195260	53.0489	1.0590	1.0501670	53.27329
## 8384	24.0616	30.8	32.384027	71.9880	1.0660	1.0595110	65.72727
## 8386	22.8768	27.7	30.595390	72.3220	1.0640	1.0585450	64.98366
## 8388	21.6920	25.8	28.806752	72.6560	1.0620	1.0556880	64.15865
## 8390	20.5072	24.6	27.018115	72.9900	1.0600	1.0529700	63.59209
## 8392	19.3224	23.2	25.229477	73.3240	1.0580	1.0504300	63.10160
## 8394	18.3162	22.1	23.730331	73.5505	1.0582	1.0501300	62.91886
## 8396	17.4886	21.0	22.520677	73.0776	1.0606	1.0537950	63.15789
## 8398	16.6610	19.7	21.311022	73.7232	1.0630	1.0573370	63.21160
## 8400	15.4062	18.2	19.731392	74.0666	1.0634	1.0608360	63.08140
## 8402	14.1514	16.9	18.151762	73.6634	1.0638	1.0588190	62.74051
## 8404	13.0376	15.6	16.773915	74.1793	1.0620	1.0556870	62.53521
## 8406	12.0648	14.3	15.597851	74.4422	1.0580	1.0513050	62.50000
## 8408	11.0920	12.9	14.421788	74.8176	1.0540	1.0478040	62.53120
## 8410	10.1676	11.5	13.184535	75.3868	1.0556	1.0460440	62.69174
## 8412	9.2432	10.4	11.947283	75.4139	1.0572	1.0492150	62.97297
## 8414	8.6214	9.9	11.048674	75.8690	1.0580	1.0537100	63.32112
## 8416	8.3022	10.0	10.488708	76.0668	1.0580	1.0539350	63.90777
## 8418	7.9830	10.2	9.928742	75.9168	1.0580	1.0528330	64.37696
## 8420	8.0054	10.1	9.861972	76.0817	1.0560	1.0513990	64.55393
## 8422	8.0278	9.3	9.795201	76.5005	1.0540	1.0512790	64.73098
## 8424	7.5340	7.9	9.198786	76.9807	1.0546	1.0522690	64.69622
## 8426	6.5240	6.6	8.072726	77.1517	1.0578	1.0553410	64.64037
## 8428	5.5140	5.7	6.946666	77.7366	1.0610	1.0582250	64.61009
## 8430	4.8984	5.2	6.211518	78.1427	1.0598	1.0593010	64.58192
## 8432	4.2828	5.0	5.476371	78.2829	1.0586	1.0565600	64.67428
## 8434	3.8710	4.7	4.970528	78.7854	1.0566	1.0515240	64.97563
## 8436	3.6630	4.4	4.693989	79.3902	1.0538	1.0450350	65.31462
## 8438	3.4550	4.0	4.417451	80.0415	1.0510	1.0437490	65.64324
## 8440	3.2738	3.7	4.115058	80.3951	1.0530	1.0432390	65.93174
## 8442	3.0926	3.4	3.812666	80.7951	1.0550	1.0513620	66.13538
## 8444	2.8908	3.1	3.517964	81.2951	1.0556	1.0583030	66.16875
## 8446	2.6684	2.8	3.230953	81.7512	1.0548	1.0561410	66.04367

## 8448	2.4460	2.6	2.943941	82.1000	1.0540	1.0529950	65.66878
## 8450	235.3852	NA	405.804190	32.4700	1.0500	1.0398860	54.54545
## 8452	223.1696	NA	382.539510	34.2620	1.0500	1.0392400	54.50734
## 8454	210.9540	NA	359.274820	36.0540	1.0500	1.0398460	54.43548
## 8456	198.7384	NA	336.010140	37.8460	1.0500	1.0376950	53.96518
## 8458	186.5228	NA	312.745460	39.6380	1.0500	1.0376100	53.51852
## 8460	175.0862	NA	291.050800	43.4910	1.0500	1.0373720	52.92035
## 8462	164.4286	325.8	270.926160	45.0955	1.0500	1.0368710	52.27656
## 8464	153.7710	295.5	250.801530	46.6417	1.0500	1.0364170	52.16000
## 8466	144.5354	267.5	233.641940	48.1071	1.0500	1.0324950	51.51515
## 8468	135.2998	240.5	216.482350	49.5281	1.0500	1.0328510	50.64194
## 8470	126.3348	215.1	200.014230	51.0311	1.0500	1.0302250	50.60080
## 8472	117.6404	190.8	184.237560	52.7490	1.0500	1.0262900	50.92937
## 8474	108.9460	167.4	168.460900	54.6930	1.0500	1.0369280	51.36054
## 8476	98.4216	144.4	149.925500	56.7597	1.0500	1.0328670	51.94274
## 8478	87.8972	122.2	131.390100	58.7756	1.0500	1.0381540	52.01465
## 8480	77.9946	101.4	114.549230	60.6420	1.0500	1.0400810	52.04918
## 8482	68.7138	82.4	99.402900	62.3599	1.0500	1.0404380	51.94710
## 8484	59.4330	66.1	84.256569	63.9401	1.0500	1.0425070	52.03469
## 8486	52.5054	53.3	73.420942	65.3706	1.0500	1.0291480	51.88155
## 8488	45.5778	43.6	62.585314	66.6641	1.0500	1.0317390	52.06659
## 8490	39.8652	35.7	53.764109	67.8463	1.0500	1.0482950	53.40729
## 8492	35.3676	29.4	46.957327	68.9467	1.0500	1.0690970	55.80833
## 8494	30.8700	24.5	40.150544	69.9885	1.0500	1.0482200	58.21168
## 8496	27.2048	20.8	34.938264	70.9790	1.0500	1.0657540	58.97666
## 8498	23.5396	17.8	29.725983	71.9104	1.0500	1.0484240	59.97305
## 8500	20.2934	15.5	25.277880	72.7902	1.0500	1.0317260	60.84470
## 8502	17.4662	13.8	21.593955	73.6244	1.0500	1.0265150	62.07041
## 8504	14.6390	12.7	17.910029	74.4076	1.0500	1.0494260	63.34264
## 8506	12.6930	12.1	15.477150	75.1236	1.0500	1.0263710	67.03932
## 8508	10.7470	11.7	13.044272	75.7621	1.0500	1.0344620	69.76828
## 8510	9.7390	11.6	11.704253	76.3276	1.0500	1.0410830	72.61682
## 8512	9.6690	11.7	11.457095	76.8410	1.0500	1.0452190	75.53110
## 8514	9.5990	11.6	11.209936	77.3242	1.0500	1.0488680	76.88711
## 8516	295.5078	388.8	402.177700	32.4972	1.0640	1.0694030	54.35012
## 8518	275.5814	354.7	375.355350	34.7736	1.0640	1.0462020	55.08882
## 8520	255.6550	324.1	348.532990	37.0500	1.0640	1.0370990	55.78697
## 8522	235.7286	296.7	321.710640	39.3264	1.0640	1.0321850	56.11560
## 8524	215.8022	272.8	294.888280	41.6028	1.0640	1.0423990	56.37772
## 8526	198.9432	251.6	271.615020	46.2232	1.0640	1.0510220	56.26903
## 8528	185.1516	232.7	251.890860	47.9707	1.0640	1.0520280	56.02426
## 8530	171.3600	216.7	232.166700	49.5598	1.0640	1.0510570	55.62745
## 8532	162.2200	203.8	219.009160	50.9961	1.0640	1.0504730	54.81855
## 8534	153.0800	193.3	205.851610	52.2880	1.0640	1.0532790	54.05157
## 8536	145.7218	184.7	195.280030	53.4318	1.0640	1.0544070	53.50388
## 8538	140.1454	177.7	187.294400	54.4201	1.0640	1.0554650	53.20954
## 8540	134.5690	172.0	179.308780	55.2732	1.0640	1.0558690	53.10067
## 8542	131.0010	167.3	174.194340	56.0221	1.0640	1.0560000	53.07241
## 8544	127.4330	163.4	169.079900	56.7075	1.0640	1.0560450	53.16238
## 8546	124.2194	159.6	164.482040	57.3626	1.0640	1.0553670	53.24939
## 8548	121.3602	155.6	160.400740	57.9979	1.0640	1.0551030	53.38202
## 8550	118.5010	151.1	156.319440	58.6181	1.0640	1.0548460	53.51106
## 8552	115.2334	146.2	151.655960	59.2273	1.0640	1.0543380	53.25222
## 8554	111.9658	141.1	146.992480	59.8213	1.0640	1.0544640	53.07134

## 8556	108.6036	136.0	142.181980	60.3962	1.0640	1.0539290	52.94394
## 8558	105.1468	131.0	137.224450	60.9502	1.0640	1.0536450	53.01555
## 8560	101.6900	125.7	132.266930	61.4853	1.0640	1.0555730	53.29690
## 8562	98.0632	120.3	127.038600	62.0086	1.0704	1.0596620	53.73200
## 8564	94.4364	114.9	121.810260	62.5231	1.0768	1.0679030	54.34676
## 8566	90.8970	109.8	116.718440	63.0137	1.0832	1.0767530	55.23987
## 8568	87.4450	105.3	111.763120	63.4583	1.0896	1.0841510	56.41863
## 8570	83.9930	101.2	106.807800	63.8776	1.0960	1.0865920	57.56214
## 8572	81.1458	97.4	102.714280	64.3387	1.0920	1.0844200	58.43322
## 8574	78.2986	93.7	98.620764	64.8761	1.0880	1.0775420	59.06222
## 8576	75.4642	89.9	94.587614	65.4470	1.0862	1.0722800	59.57966
## 8578	72.6426	85.6	90.614832	65.9637	1.0866	1.0740160	60.09040
## 8580	69.8210	81.1	86.642051	66.3770	1.0870	1.0775190	60.49808
## 8582	95.3022	119.1	140.221610	54.6428	1.0500	1.0314640	54.14302
## 8584	90.4986	112.3	133.926820	55.7224	1.0500	1.0302880	53.49839
## 8586	85.6950	105.9	127.632040	56.8020	1.0500	1.0310750	53.21101
## 8588	80.8914	100.1	121.337250	57.8816	1.0500	1.0320170	53.08285
## 8590	76.0878	94.7	115.042460	58.9612	1.0500	1.0337800	52.54545
## 8592	71.3264	89.5	108.775650	61.3975	1.0500	1.0354840	52.27078
## 8594	66.6072	84.2	102.536810	62.3768	1.0500	1.0363520	52.10016
## 8596	61.8880	79.6	96.297978	63.2901	1.0500	1.0367580	52.01521
## 8598	57.8716	75.2	90.988518	64.1744	1.0500	1.0369800	51.97416
## 8600	53.8552	70.5	85.679058	65.0820	1.0500	1.0371520	52.16802
## 8602	50.0970	64.7	80.029257	66.0444	1.0500	1.0367940	52.20729
## 8604	46.5970	58.6	74.039115	67.0600	1.0500	1.0365380	52.57108
## 8606	43.0970	53.3	68.048972	68.0820	1.0500	1.0362900	53.23782
## 8608	40.3038	49.3	62.218687	69.0428	1.0500	1.0376750	53.75408
## 8610	37.5106	46.1	56.388401	69.8921	1.0500	1.0395280	54.55487
## 8612	35.7132	43.0	51.786377	70.6133	1.0500	1.0428310	55.42942
## 8614	34.9116	39.8	48.412616	71.2396	1.0500	1.0473950	56.26767
## 8616	34.1100	36.7	45.038855	71.8077	1.0500	1.0495520	57.14286
## 8618	32.3876	34.1	42.109448	72.3310	1.0500	1.0498980	58.08538
## 8620	30.6652	31.9	39.180041	72.8157	1.0500	1.0449400	58.96694
## 8622	29.0992	30.1	36.801310	73.2713	1.0500	1.0407450	59.77011
## 8624	27.6896	28.9	34.973257	73.7055	1.0500	1.0404770	60.51731
## 8626	26.2800	28.1	33.145203	74.1215	1.0500	1.0414610	61.32213
## 8628	25.0860	27.4	31.902150	74.5250	1.0500	1.0420340	61.82965
## 8630	23.8920	26.5	30.659096	74.9137	1.0500	1.0406860	62.32323
## 8632	22.6046	25.4	29.197642	75.2853	1.0500	1.0402520	62.74700
## 8634	21.2238	24.1	27.517788	75.6353	1.0500	1.0402200	63.22198
## 8636	19.8430	22.9	25.837934	75.9716	1.0500	1.0403830	63.63362
## 8638	18.6382	21.7	24.259907	76.3145	1.0500	1.0419930	64.07795
## 8640	17.4334	20.5	22.681880	76.6769	1.0500	1.0430070	64.29775
## 8642	16.4956	19.2	21.448712	77.0517	1.0500	1.0436310	64.53015
## 8644	15.8248	18.1	20.560403	77.4192	1.0500	1.0434900	64.94087
## 8646	15.1540	17.0	19.672094	77.7673	1.0500	1.0434300	65.20743
## 8648	159.9604	NA	251.807380	32.6754	1.0800	1.0550050	56.21747
## 8650	154.9732	NA	243.075740	33.6762	1.0800	1.0457720	55.89397
## 8652	149.9860	233.4	234.344100	34.6770	1.0800	1.0454300	55.90335
## 8654	144.9988	219.4	225.612450	35.6778	1.0800	1.0471080	55.36000
## 8656	140.0116	206.5	216.880810	36.6786	1.0800	1.0507010	55.40052
## 8658	135.2372	194.0	208.366890	39.0595	1.0800	1.0548200	54.97251
## 8660	130.6756	182.1	200.070690	40.4379	1.0800	1.0549190	54.79518
## 8662	126.1140	170.6	191.774490	42.0372	1.0800	1.0541560	54.55807

## 8664	119.5176	159.7	180.447100	43.7175	1.0800	1.0539530	54.36034
## 8666	112.9212	149.3	169.119700	45.3082	1.0800	1.0565370	54.42664
## 8668	106.8892	139.8	158.903000	46.7275	1.0800	1.0589390	53.97523
## 8670	101.4216	131.2	149.796980	48.0148	1.0800	1.0607780	53.44893
## 8672	95.9540	123.5	140.690970	49.2705	1.0800	1.0625890	53.04379
## 8674	91.3212	116.6	132.499030	50.6493	1.0800	1.0639910	52.54466
## 8676	86.6884	110.7	124.307100	52.1527	1.0800	1.0643520	52.55591
## 8678	81.3492	105.6	116.746170	53.5313	1.0800	1.0640810	52.72397
## 8680	75.3036	101.1	109.816240	54.4456	1.0800	1.0637570	52.65119
## 8682	69.2580	97.2	102.886310	54.8523	1.0800	1.0634790	53.14115
## 8684	67.9948	93.9	99.722408	55.0516	1.0800	1.0631870	53.84217
## 8686	66.7316	90.9	96.558503	55.4220	1.0800	1.0628880	54.99137
## 8688	65.0602	88.0	93.290371	56.0471	1.0800	1.0629820	55.84233
## 8690	62.9806	85.3	89.918012	56.7385	1.0800	1.0636560	56.32671
## 8692	60.9010	83.0	86.545652	57.3520	1.0800	1.0647290	56.78541
## 8694	59.8978	81.0	83.570500	57.9063	1.0800	1.0655340	57.03361
## 8696	58.8946	79.3	80.595347	58.4849	1.0800	1.0661160	57.17014
## 8698	57.8170	77.7	77.790512	59.1388	1.0800	1.0667700	57.26465
## 8700	56.6650	76.1	75.155993	59.8798	1.0800	1.0675820	57.33264
## 8702	55.5130	74.2	72.521475	60.6431	1.0800	1.0683200	57.46673
## 8704	54.0578	71.5	70.349303	61.3114	1.0800	1.0688970	57.68629
## 8706	52.6026	67.9	68.177132	61.8080	1.0800	1.0689230	58.00717
## 8708	51.3040	64.3	66.281556	62.1526	1.0800	1.0691700	58.49164
## 8710	50.1620	60.9	64.662576	62.4492	1.0800	1.0699100	59.14626
## 8712	49.0200	57.3	63.043595	62.7767	1.0800	1.0705220	59.86877
## 8714	76.4108	NA	106.250820	62.2734	1.0500	1.0405370	50.06614
## 8716	74.9224	NA	104.134520	62.5002	1.0500	1.0378300	49.78001
## 8718	73.4340	NA	102.018220	62.7270	1.0500	1.0354800	49.37238
## 8720	71.9456	88.7	99.901925	62.9538	1.0500	1.0365820	49.31818
## 8722	70.4572	86.4	97.785628	63.1806	1.0500	1.0357230	49.13700
## 8724	68.2246	84.3	94.598771	64.0183	1.0500	1.0392910	48.92528
## 8726	65.2478	82.7	90.341354	64.4110	1.0500	1.0387150	49.10151
## 8728	62.2710	81.3	86.083937	64.7078	1.0500	1.0379440	48.96361
## 8730	60.7826	80.1	83.799177	64.9665	1.0500	1.0409810	49.62866
## 8732	59.2942	78.7	81.514417	65.2657	1.0500	1.0394330	50.10361
## 8734	57.4534	77.1	78.759187	65.6065	1.0500	1.0406410	50.76923
## 8736	55.2602	75.1	75.533488	65.9321	1.0500	1.0375880	51.56074
## 8738	53.0670	72.5	72.307788	66.2069	1.0500	1.0338170	52.27517
## 8740	52.2458	69.6	70.703212	66.4388	1.0500	1.0349710	52.99728
## 8742	51.4246	66.4	69.098636	66.6607	1.0500	1.0346290	53.47334
## 8744	50.5854	62.9	67.525130	66.8790	1.0500	1.0367190	53.92846
## 8746	49.7282	59.1	65.982696	67.0866	1.0500	1.0366460	54.27005
## 8748	48.8710	55.3	64.440261	67.2947	1.0500	1.0350480	54.52070
## 8750	47.9982	51.7	62.971805	67.5399	1.0500	1.0358180	54.54311
## 8752	47.1254	48.2	61.503348	67.8422	1.0500	1.0353900	54.62963
## 8754	45.9348	44.9	59.540199	68.1910	1.0500	1.0359110	54.70738
## 8756	44.4264	41.9	57.082358	68.5508	1.0500	1.0363570	54.97578
## 8758	42.9180	39.2	54.624516	68.9152	1.0500	1.0368790	55.42953
## 8760	41.4264	36.8	52.214049	69.3270	1.0500	1.0374900	56.04418
## 8762	39.9348	34.6	49.803581	69.8125	1.0500	1.0376850	56.89821
## 8764	38.4568	32.5	47.388752	70.3399	1.0500	1.0377640	57.76915
## 8766	36.9924	30.4	44.969561	70.8424	1.0500	1.0378210	58.82668
## 8768	35.5280	28.4	42.550370	71.2863	1.0500	1.0384570	59.85162
## 8770	34.1272	26.6	40.922943	71.6948	1.0500	1.0391470	60.79450



## 8772	32.7264	24.9	39.295516	72.1023	1.0500	1.0392320	61.56984
## 8774	31.3744	23.3	37.723307	72.4872	1.0500	1.0402410	62.32920
## 8776	30.0712	21.9	36.206316	72.7992	1.0500	1.0407350	63.16115
## 8778	28.7680	20.5	34.689326	73.0256	1.0500	1.0399800	63.84998
## 8780	166.9538	NA	286.522220	42.0058	1.0500	1.0257530	54.70722
## 8782	162.7894	293.0	277.503260	42.9554	1.0500	1.0286360	54.34053
## 8784	158.6250	268.5	268.484310	43.9050	1.0500	1.0303980	54.11403
## 8786	154.4606	249.0	259.465360	44.8546	1.0500	1.0312260	53.47507
## 8788	150.2962	234.0	250.446410	45.8042	1.0500	1.0310570	53.08125
## 8790	145.7886	220.7	240.785550	48.2329	1.0500	1.0315010	52.60870
## 8792	140.9378	206.6	230.482780	49.2487	1.0500	1.0317180	52.15765
## 8794	136.0870	192.3	220.180000	50.2144	1.0500	1.0317320	51.98587
## 8796	132.1630	179.5	211.954270	51.3185	1.0500	1.0320010	51.79938
## 8798	128.2390	168.8	203.728540	52.6873	1.0500	1.0330310	51.99507
## 8800	123.0768	159.0	193.007420	54.2417	1.0500	1.0315700	52.20374
## 8802	116.6764	149.5	179.790910	55.7580	1.0500	1.0325410	52.48477
## 8804	110.2760	140.5	166.574400	57.0968	1.0500	1.0341670	52.90873
## 8806	105.7928	133.3	157.411570	58.2941	1.0500	1.0362490	53.21878
## 8808	101.3096	127.7	148.248740	59.4703	1.0500	1.0357910	53.70753
## 8810	95.5816	121.8	138.305480	60.6589	1.0500	1.0349480	54.28844
## 8812	88.6088	114.1	127.581790	61.8305	1.0500	1.0343280	55.08815
## 8814	81.6360	104.2	116.858090	62.9548	1.0500	1.0339230	55.91200
## 8816	76.1868	93.5	108.328630	64.0192	1.0500	1.0336900	56.54704
## 8818	70.7376	84.0	99.799169	65.0348	1.0500	1.0333800	57.12949
## 8820	65.5000	75.4	91.884841	66.0237	1.0500	1.0336560	57.77050
## 8822	60.4740	66.5	84.585647	67.0135	1.0500	1.0342250	58.53606
## 8824	55.4480	57.5	77.286453	68.0154	1.0500	1.0350830	59.32027
## 8826	49.5172	49.1	69.514944	69.0325	1.0500	1.0371140	59.88803
## 8828	43.5864	41.8	61.743434	70.0301	1.0500	1.0373970	60.45147
## 8830	37.9756	35.8	54.363308	70.9599	1.0500	1.0399320	61.12253
## 8832	32.6848	31.1	47.374567	71.7765	1.0500	1.0394800	61.86799
## 8834	27.3940	27.4	40.385825	72.4585	1.0500	1.0385460	62.64397
## 8836	24.8352	24.5	37.267127	72.9969	1.0500	1.0360560	63.40438
## 8838	22.2764	22.1	34.148429	73.4361	1.0500	1.0395900	64.13917
## 8840	20.5220	20.0	31.886178	73.8450	1.0500	1.0412730	64.68078
## 8842	19.5720	18.3	30.480374	74.2839	1.0500	1.0418770	65.01881
## 8844	18.6220	16.9	29.074570	74.7807	1.0500	1.0420960	65.27711
## 8846	104.9254	NA	149.750580	54.1068	1.0600	1.0687960	52.40817
## 8848	100.8382	141.4	143.562940	54.7684	1.0600	1.0531910	51.37397
## 8850	96.7510	129.7	137.375310	55.4300	1.0600	1.0477040	50.94008
## 8852	92.6638	119.3	131.187680	56.0916	1.0600	1.0424550	50.27573
## 8854	88.5766	110.0	125.000040	56.7532	1.0600	1.0474340	50.06494
## 8856	84.6986	102.4	119.151340	58.1223	1.0600	1.0528490	49.80857
## 8858	81.0298	96.8	113.641560	58.7326	1.0600	1.0526450	49.42101
## 8860	77.3610	92.4	108.131780	59.3333	1.0600	1.0502620	49.52449
## 8862	73.5318	88.5	102.513680	59.9421	1.0600	1.0494750	49.88881
## 8864	69.7026	85.2	96.895582	60.5403	1.0600	1.0496520	50.66260
## 8866	66.0810	83.1	91.606125	61.0462	1.0600	1.0494870	51.30661
## 8868	62.6670	82.3	86.645311	61.3690	1.0600	1.0494670	51.83980
## 8870	59.2530	82.1	81.684496	61.5362	1.0600	1.0488080	52.40828
## 8872	60.4878	81.8	83.082220	61.6775	1.0600	1.0482110	52.88080
## 8874	61.7226	80.9	84.479943	61.9456	1.0600	1.0466650	53.40244
## 8876	60.7720	79.3	82.938502	62.4210	1.0600	1.0458320	53.90221
## 8878	57.6360	77.3	78.457897	63.0734	1.0600	1.0457230	54.44263

## 8880	54.5000	74.0	73.977291	63.7986	1.0600	1.0460890	54.96751
## 8882	48.5124	68.6	65.736931	64.4879	1.0600	1.0476670	55.32427
## 8884	42.5248	61.7	57.496571	65.0594	1.0600	1.0484800	55.67790
## 8886	38.8318	54.9	52.320222	65.4813	1.0600	1.0495240	56.09825
## 8888	37.4334	49.5	50.207883	65.7997	1.0600	1.0498000	56.60941
## 8890	36.0350	45.6	48.095545	66.0706	1.0600	1.0495750	57.15104
## 8892	34.2746	42.7	45.663543	66.3215	1.0600	1.0500110	57.59073
## 8894	32.5142	40.6	43.231542	66.5619	1.0600	1.0500740	58.02320
## 8896	30.9316	38.9	41.046360	66.8024	1.0600	1.0499340	58.47497
## 8898	29.5268	37.3	39.107999	67.0389	1.0600	1.0496620	58.92590
## 8900	28.1220	35.7	37.169637	67.2665	1.0600	1.0503310	59.47923
## 8902	26.8712	34.2	35.447146	67.4790	1.0600	1.0524690	60.38374
## 8904	25.6204	32.6	33.724655	67.6810	1.0600	1.0497820	61.61325
## 8906	24.4448	31.2	32.114381	67.8907	1.0600	1.0442760	62.53161
## 8908	23.3444	29.6	30.616324	68.1316	1.0600	1.0487440	63.06830
## 8910	22.2440	28.0	29.118267	68.4068	1.0600	1.0540030	63.47170
## 8912	94.7000	NA	111.162660	57.8768	1.0560	1.0346750	64.93825
## 8914	86.8080	NA	101.378830	59.6584	1.0560	1.0360490	64.48773
## 8916	78.9160	NA	91.594997	61.4400	1.0560	1.0395630	63.57402
## 8918	71.0240	NA	81.811165	63.2216	1.0560	1.0432170	62.31536
## 8920	63.1320	72.8	72.027334	65.0032	1.0560	1.0457080	60.95603
## 8922	57.2872	59.4	64.827104	67.7780	1.0560	1.0472070	60.37892
## 8924	53.4896	52.5	60.210475	68.3756	1.0560	1.0459130	60.71926
## 8926	49.6920	45.9	55.593847	69.4293	1.0560	1.0433100	61.48261
## 8928	44.3780	40.2	49.711958	69.4244	1.0560	1.0414700	62.63051
## 8930	39.0640	37.7	43.830069	69.7195	1.0560	1.0441330	63.71116
## 8932	35.4600	34.5	39.790849	69.6122	1.0560	1.0477720	64.79482
## 8934	33.5660	30.4	37.594297	70.6634	1.0560	1.0491740	65.82535
## 8936	31.6720	27.7	35.397744	70.5610	1.0560	1.0486590	66.49497
## 8938	29.9340	26.4	33.407640	70.4024	1.0560	1.0463490	66.38873
## 8940	28.1960	24.6	31.417536	70.7512	1.0560	1.0448620	66.01665
## 8942	26.6114	23.3	29.625496	71.0512	1.0560	1.0464580	65.71033
## 8944	25.1802	22.0	28.031520	71.0000	1.0560	1.0494010	65.49620
## 8946	23.7490	20.3	26.437545	70.5488	1.0560	1.0514360	65.26703
## 8948	22.3734	18.9	24.947549	70.8976	1.0560	1.0521270	64.84895
## 8950	20.9978	17.9	23.457553	71.0439	1.0560	1.0509760	64.71978
## 8952	19.5186	16.8	21.847691	70.5878	1.0560	1.0500200	64.85978
## 8954	17.9358	16.0	20.117962	71.5951	1.0560	1.0507860	65.14577
## 8956	16.3530	14.5	18.388234	71.8927	1.0560	1.0522300	65.79861
## 8958	13.8542	12.0	15.685565	72.6463	1.0560	1.0535690	66.58891
## 8960	11.3554	9.9	12.982897	73.0439	1.0560	1.0538120	67.74763
## 8962	9.5064	8.8	10.952897	74.2000	1.0560	1.0542950	68.79923
## 8964	8.3072	8.1	9.595567	74.5976	1.0560	1.0548530	69.63148
## 8966	7.1080	7.6	8.238236	74.9951	1.0560	1.0554130	70.43392
## 8968	6.5268	7.0	7.593892	75.2439	1.0560	1.0548070	71.11169
## 8970	5.9456	6.2	6.949549	75.6951	1.0560	1.0543220	71.52418
## 8972	5.4290	5.5	6.368189	76.6951	1.0560	1.0539960	71.28310
## 8974	4.9770	5.2	5.849814	77.0000	1.0560	1.0543360	70.58184
## 8976	4.5250	5.2	5.331438	78.2049	1.0560	1.0551760	69.51984
## 8978	96.1854	NA	146.596600	58.0592	1.0600	1.0473450	63.48001
## 8980	94.2482	NA	140.926450	58.8996	1.0600	1.0499720	63.61186
## 8982	92.3110	127.2	135.256300	59.7400	1.0600	1.0513060	63.47997
## 8984	90.3738	121.8	129.586150	60.5804	1.0600	1.0513130	63.15129
## 8986	88.4366	117.4	123.916000	61.4208	1.0600	1.0486990	62.86877

## 8988	85.4298	110.3	117.439550	63.2524	1.0600	1.0473740	62.77110
## 8990	81.3534	97.6	110.156790	64.1323	1.0600	1.0497380	62.53922
## 8992	77.2770	85.2	102.874030	64.9895	1.0600	1.0515240	62.31998
## 8994	70.6410	77.7	91.891235	65.8168	1.0600	1.0454350	61.84615
## 8996	64.0050	72.0	80.908445	66.6218	1.0600	1.0412960	61.71415
## 8998	57.6100	63.4	71.421293	66.7707	1.0600	1.0411380	61.79170
## 9000	51.4560	52.6	63.429779	67.5244	1.0600	1.0437530	61.92290
## 9002	45.3020	43.5	55.438266	68.3098	1.0600	1.0487400	62.12715
## 9004	39.1256	35.6	47.585514	70.0122	1.0600	1.0513930	62.20739
## 9006	32.9492	29.7	39.732763	71.1683	1.0600	1.0520400	62.56336
## 9008	27.7932	25.8	33.399391	71.6146	1.0600	1.0547500	63.07003
## 9010	23.6576	22.8	28.585399	72.2659	1.0600	1.0576330	63.61434
## 9012	19.5220	20.4	23.771407	72.8146	1.0600	1.0583270	64.24615
## 9014	17.2220	18.2	21.212597	73.6659	1.0600	1.0593360	64.80024
## 9016	14.9220	15.9	18.653788	74.2659	1.0600	1.0550930	65.50015
## 9018	12.8444	13.6	16.261229	74.0146	1.0600	1.0511970	66.20585
## 9020	10.9892	11.4	14.034920	74.5122	1.0600	1.0519370	66.78350
## 9022	9.1340	9.7	11.808611	75.3122	1.0600	1.0542020	67.24549
## 9024	8.0236	8.6	10.420678	75.4122	1.0600	1.0536170	67.47047
## 9026	6.9132	7.7	9.032746	75.9634	1.0600	1.0516920	67.66947
## 9028	5.9864	6.7	7.835731	76.8146	1.0600	1.0554530	67.68724
## 9030	5.2432	5.6	6.829634	77.2195	1.0600	1.0650490	67.53821
## 9032	4.5000	4.7	5.823536	78.0707	1.0600	1.0671480	67.36641
## 9034	4.0232	4.2	5.153404	78.3220	1.0600	1.0661430	66.84360
## 9036	3.5464	4.0	4.483272	78.7268	1.0600	1.0484930	66.46209
## 9038	3.2344	3.8	4.039472	80.4707	1.0600	1.0389920	66.06686
## 9040	3.0872	3.8	3.822005	80.7220	1.0600	1.0462370	65.64054
## 9042	2.9400	3.6	3.604538	81.5219	1.0600	1.0599110	65.14010
## 9044	120.9528	NA	185.430390	52.0252	1.0500	1.0376320	56.54074
## 9046	113.4364	NA	174.289540	53.6096	1.0500	1.0377950	54.98750
## 9048	105.9200	NA	163.148690	55.1940	1.0500	1.0242310	55.36667
## 9050	98.4036	NA	152.007830	56.7784	1.0500	1.0101070	52.84250
## 9052	90.8872	NA	140.866980	58.3628	1.0500	1.0132570	57.97500
## 9054	83.4462	NA	129.714650	61.9678	1.0500	1.0220830	54.90196
## 9056	76.0806	NA	118.550840	63.4922	1.0500	1.0226540	55.95000
## 9058	68.7150	NA	107.387030	65.0076	1.0500	1.0349260	56.30541
## 9060	61.5266	NA	95.162515	66.4839	1.0500	1.0258720	60.92791
## 9062	54.3382	70.9	82.938004	67.8670	1.0500	1.0255130	60.93069
## 9064	47.9228	61.8	72.045226	69.1035	1.0500	1.0417620	62.44538
## 9066	42.2804	54.0	62.484180	70.1652	1.0500	1.0714290	64.60000
## 9068	36.6380	47.5	52.923134	71.0606	1.0500	1.0481860	65.53171
## 9070	33.6420	42.2	48.018580	71.8168	1.0500	1.0323390	63.92802
## 9072	30.6460	38.0	43.114025	72.4829	1.0500	1.0169150	64.29659
## 9074	27.9532	34.4	38.747865	73.0874	1.0500	1.0153180	66.01895
## 9076	25.5636	31.3	34.920097	73.6320	1.0500	1.0333700	68.27346
## 9078	23.1740	28.2	31.092330	74.1194	1.0500	1.0477250	69.62237
## 9080	21.2680	25.2	28.173448	74.5537	1.0508	1.0676790	69.93002
## 9082	19.3620	22.2	25.254567	74.9388	1.0516	1.0572930	70.02160
## 9084	17.6714	19.5	22.728078	75.2823	1.0520	1.0510920	70.92454
## 9086	16.1962	17.1	20.593981	75.5901	1.0520	1.0557010	71.75833
## 9088	14.7210	15.3	18.459885	75.8699	1.0520	1.0529250	72.26148
## 9090	13.5446	13.9	16.887081	76.1305	1.0512	1.0404730	71.82462
## 9092	12.3682	12.9	15.314277	76.3771	1.0504	1.0455870	72.50719
## 9094	11.3060	11.9	13.919352	76.6074	1.0496	1.0049770	73.55570

## 9096	10.3580	11.1	12.702308	76.8147	1.0488	0.9662070	74.63144
## 9098	9.4100	10.3	11.485264	77.0235	1.0480	1.0680360	75.30072
## 9100	8.7556	9.7	10.657193	77.2868	1.0468	1.0349070	81.67676
## 9102	8.1012	9.2	9.829123	77.6298	1.0456	1.0520780	84.84196
## 9104	7.6508	8.8	9.250520	78.0278	1.0450	1.0471550	84.91738
## 9106	7.4044	8.4	8.921385	78.4185	1.0450	1.0486500	84.07820
## 9108	7.1580	8.0	8.592251	78.7626	1.0450	1.0483820	83.26869
## 9110	99.3306	NA	125.003520	59.4230	1.0580	1.0297880	65.75824
## 9112	95.1258	NA	119.193200	60.2830	1.0580	1.0370910	65.91791
## 9114	90.9210	NA	113.382880	61.1430	1.0580	1.0443020	65.98982
## 9116	86.7162	NA	107.572560	62.0030	1.0580	1.0493390	65.33281
## 9118	82.5114	NA	101.762240	62.8630	1.0580	1.0466920	64.47533
## 9120	75.1174	NA	91.725228	66.4159	1.0580	1.0456260	64.22981
## 9122	64.5342	NA	77.461529	67.4411	1.0580	1.0473240	64.66946
## 9124	53.9510	NA	63.197829	67.6979	1.0580	1.0490380	65.13236
## 9126	52.7782	NA	62.443319	67.6269	1.0580	1.0500500	65.55954
## 9128	51.6054	69.4	61.688808	67.8144	1.0580	1.0480540	65.46833
## 9130	48.6696	61.7	58.475500	68.5041	1.0580	1.0471980	65.22806
## 9132	43.9708	55.2	52.803394	69.0056	1.0580	1.0488320	65.50181
## 9134	39.2720	50.4	47.131287	69.6139	1.0580	1.0506280	65.23124
## 9136	35.9020	46.7	43.577645	69.7420	1.0580	1.0531420	64.39957
## 9138	32.5320	43.5	40.024002	69.1532	1.0580	1.0521480	63.07165
## 9140	29.8120	40.6	37.122330	69.3683	1.0580	1.0516010	63.03430
## 9142	27.7420	38.7	34.872629	69.7263	1.0580	1.0518980	64.25487
## 9144	25.6720	38.9	32.622928	69.7068	1.0580	1.0521330	65.35232
## 9146	25.6212	39.8	32.934864	69.2268	1.0580	1.0523120	65.75154
## 9148	25.5704	39.0	33.246800	69.5307	1.0580	1.0517310	65.64843
## 9150	25.0328	36.4	32.453979	69.7844	1.0580	1.0514390	65.80967
## 9152	24.0084	34.1	30.556402	69.5634	1.0580	1.0522400	66.48893
## 9154	22.9840	32.3	28.658825	69.4561	1.0580	1.0529080	67.15001
## 9156	21.9020	30.4	27.016426	69.0049	1.0580	1.0542950	67.58858
## 9158	20.8200	28.1	25.374027	70.5122	1.0580	1.0537050	67.62977
## 9160	19.6110	25.9	23.644382	71.1610	1.0580	1.0528870	67.87518
## 9162	18.2750	23.7	21.827490	71.3098	1.0580	1.0530740	68.38374
## 9164	16.9390	20.9	20.010599	71.8789	1.0580	1.0537780	68.88546
## 9166	14.9506	17.6	17.676851	72.5659	1.0580	1.0541640	68.90848
## 9168	12.9622	14.9	15.343104	73.3098	1.0580	1.0549440	68.55193
## 9170	11.3218	13.2	13.417128	74.4098	1.0580	1.0551090	68.13345
## 9172	10.0294	12.0	11.898922	75.0634	1.0580	1.0549800	67.73265
## 9174	8.7370	11.1	10.380717	74.9610	1.0580	1.0555820	67.16724
## 9176	133.3058	NA	193.661650	53.4948	1.0582	1.0373760	65.31168
## 9178	116.8854	NA	168.049860	56.0064	1.0566	1.0386320	66.99403
## 9180	100.4650	NA	142.438080	58.5180	1.0550	1.0373200	67.22224
## 9182	84.0446	NA	116.826290	61.0296	1.0534	1.0384950	66.09956
## 9184	67.6242	NA	91.214507	63.5412	1.0518	1.0391410	64.09988
## 9186	55.4648	NA	72.303649	66.5970	1.0514	1.0410200	63.17654
## 9188	47.5664	NA	60.093720	67.3399	1.0522	1.0434840	63.31516
## 9190	39.6680	NA	47.883790	67.7189	1.0530	1.0436500	63.89741
## 9192	36.2968	NA	43.599572	67.8601	1.0518	1.0406010	64.71529
## 9194	32.9256	NA	39.315354	67.8671	1.0506	1.0290550	65.61962
## 9196	30.2724	42.4	36.099105	68.3766	1.0498	1.0266660	66.59251
## 9198	28.3372	39.2	33.950823	68.2946	1.0494	1.0290650	67.35978
## 9200	26.4020	36.6	31.802541	67.7239	1.0490	1.0322370	67.94107
## 9202	27.3552	34.8	32.817895	67.3763	1.0494	1.0355150	68.00165

## 9204	28.3084	33.6	33.833249	67.1144	1.0498	1.0343740	68.15779
## 9206	28.2122	32.5	33.759341	67.2639	1.0498	1.0324380	68.15196
## 9208	27.0666	31.3	32.596172	67.6527	1.0494	1.0321340	67.90942
## 9210	25.9210	30.0	31.433003	67.8568	1.0490	1.0342380	67.62534
## 9212	25.0082	28.1	30.143235	69.4400	1.0506	1.0378750	67.20646
## 9214	24.0954	26.4	28.853467	69.1717	1.0522	1.0417430	66.93284
## 9216	23.2996	25.9	27.781587	68.4744	1.0540	1.0469250	66.52121
## 9218	22.6208	26.3	26.927595	64.9359	1.0560	1.0514770	66.25414
## 9220	21.9420	26.4	26.073602	64.6907	1.0580	1.0537770	66.48212
## 9222	21.5500	25.6	25.662403	66.6988	1.0588	1.0546970	67.51639
## 9224	21.1580	24.2	25.251205	65.9822	1.0596	1.0525620	68.70219
## 9226	20.0032	22.0	23.963752	65.3834	1.0604	1.0513030	69.61006
## 9228	18.0856	19.3	21.800045	65.0478	1.0612	1.0511690	70.22976
## 9230	16.1680	16.7	19.636339	65.5298	1.0620	1.0510780	71.00792
## 9232	13.9744	14.4	17.053603	67.5868	1.0604	1.0499650	71.59889
## 9234	11.7808	12.7	14.470868	68.6846	1.0588	1.0495590	72.04840
## 9236	10.2150	11.4	12.592843	69.6839	1.0580	1.0507590	71.81571
## 9238	9.2770	10.4	11.419531	70.5788	1.0580	1.0541360	70.94610
## 9240	8.3390	9.6	10.246218	70.9085	1.0580	1.0563630	69.88296
## 9242	167.3676	NA	282.209470	38.8266	1.0100	0.9992387	53.44291
## 9244	163.8768	NA	276.409660	39.4218	1.0100	0.9854733	52.56518
## 9246	160.3860	NA	270.609840	40.0170	1.0100	0.9791168	51.58353
## 9248	156.8952	237.7	264.810020	40.6122	1.0100	0.9759251	50.44543
## 9250	153.4044	222.1	259.010200	41.2074	1.0100	0.9795355	49.52814
## 9252	149.9492	211.3	253.252450	42.5488	1.0100	0.9836807	48.59813
## 9254	146.5296	206.0	247.536750	43.1131	1.0100	0.9834400	47.98582
## 9256	143.1100	205.7	241.821050	43.6014	1.0100	0.9824650	47.81936
## 9258	140.6892	209.0	237.735510	43.9596	1.0100	0.9826065	48.33236
## 9260	138.2684	215.0	233.649960	44.1998	1.0100	0.9837058	49.05246
## 9262	136.6690	222.6	230.828490	44.3674	1.0100	0.9841245	49.56050
## 9264	135.8910	232.4	229.271100	44.5395	1.0100	0.9824054	49.90249
## 9266	135.1130	244.9	227.713700	44.8995	1.0100	0.9816702	50.24088
## 9268	132.3386	250.4	223.262800	45.7862	1.0100	0.9822701	49.96773
## 9270	129.5642	233.6	218.811900	47.1751	1.0100	0.9855906	49.73833
## 9272	124.2856	201.6	209.350740	48.8665	1.0100	0.9890388	49.24727
## 9274	116.5028	174.4	194.879320	50.4084	1.0100	0.9902999	48.73875
## 9276	108.7200	160.1	180.407900	50.4519	1.0100	0.9914975	48.23472
## 9278	111.5300	151.6	184.910240	46.3051	1.0100	0.9939168	47.67131
## 9280	114.3400	149.3	189.412580	38.0418	1.0100	0.9939073	47.47893
## 9282	150.1872	157.3	246.495850	29.7458	1.0100	0.9835951	48.35243
## 9284	219.0716	185.4	356.160050	27.0789	1.0100	0.9549566	50.84127
## 9286	287.9560	268.3	465.824250	31.6345	1.0100	0.9280476	54.03349
## 9288	221.5828	223.0	360.044240	39.8048	1.0100	0.9554531	53.73501
## 9290	155.2096	200.6	254.264230	46.2261	1.0100	0.9889392	52.11602
## 9292	115.7548	170.2	190.304740	49.5077	1.0100	1.0118770	52.13111
## 9294	103.2184	139.4	168.165750	51.8121	1.0100	1.0073610	53.75849
## 9296	90.6820	110.7	146.026760	54.7516	1.0100	0.9960938	55.02886
## 9298	78.3104	87.8	123.972760	57.9460	1.0100	0.9906228	55.22624
## 9300	65.9388	70.6	101.918760	60.4660	1.0100	0.9981794	54.86832
## 9302	56.6098	57.7	85.422508	62.1554	1.0114	1.0030270	54.91143
## 9304	50.3234	47.8	74.484012	63.3948	1.0142	1.0050900	55.46127
## 9306	44.0370	41.7	63.545516	64.5245	1.0170	1.0060720	56.16710
## 9308	115.5044	NA	174.232320	43.8726	1.0800	1.0892210	50.58824
## 9310	111.3972	NA	167.003660	44.8998	1.0800	1.0592570	49.43820

## 9312	107.2900	NA	159.775000	45.9270	1.0800	1.0382960	52.12766
## 9314	103.1828	NA	152.546340	46.9542	1.0800	1.0349850	49.00000
## 9316	99.0756	NA	145.317680	47.9814	1.0800	1.0458700	49.05660
## 9318	95.0508	NA	138.349230	50.4695	1.0800	1.0600080	49.10714
## 9320	91.1084	NA	131.640990	51.4695	1.0800	1.0571920	47.50000
## 9322	87.1660	NA	124.932740	52.4695	1.0800	1.0604710	46.45669
## 9324	83.3756	NA	118.716750	53.4695	1.0800	1.0691080	47.01493
## 9326	79.5852	NA	112.500750	54.4695	1.0800	1.0977250	46.80851
## 9328	75.8712	NA	106.422630	55.4695	1.0800	1.1226610	46.89655
## 9330	72.2336	NA	100.482390	56.4695	1.0800	1.0929870	47.65101
## 9332	68.5960	NA	94.542141	57.4695	1.0800	1.0607760	46.71053
## 9334	65.1184	NA	89.018600	58.4695	1.0800	1.0611670	48.36601
## 9336	61.6408	NA	83.495058	59.4695	1.0800	1.1058300	49.67742
## 9338	58.2436	NA	78.217967	60.4685	1.0800	1.1346370	51.28205
## 9340	54.9268	NA	73.187325	61.4645	1.0800	1.1400880	53.45912
## 9342	51.6100	37.3	68.156682	62.4630	1.0800	1.1342010	54.37500
## 9344	48.4692	34.5	63.465323	63.4810	1.0800	1.1319350	54.65839
## 9346	45.3284	32.1	58.773963	64.5194	1.0800	1.1317330	56.17284
## 9348	42.2246	30.0	54.209322	65.5590	1.0800	1.1227930	55.48780
## 9350	39.1578	27.9	49.771400	66.5691	1.0800	1.1022020	56.28743
## 9352	36.0910	25.9	45.333477	67.5150	1.0800	1.0882650	55.88235
## 9354	33.6274	24.1	41.916397	68.3705	1.0800	1.0759110	54.33526
## 9356	31.1638	22.4	38.499316	69.1370	1.0800	1.0945180	54.91329
## 9358	29.0810	21.0	35.653033	69.8166	1.0800	1.0954330	56.00000
## 9360	27.3790	20.0	33.377549	70.4263	1.0800	1.0859410	55.93220
## 9362	25.6770	19.3	31.102065	70.9969	1.0800	1.0779950	55.00000
## 9364	23.9354	18.9	28.840929	71.5608	1.0800	1.0685220	56.59341
## 9366	22.1938	24.1	26.579793	72.1307	1.0800	1.0767190	57.06522
## 9368	20.6534	18.6	24.627001	72.7013	1.0800	1.0865470	57.44681
## 9370	19.3142	18.2	22.982554	73.2504	1.0800	1.0836690	56.84211
## 9372	17.9750	17.5	21.338106	73.7649	1.0800	1.0782160	57.21649
## 9374	134.1368	NA	228.336340	44.4066	1.0300	1.0195420	66.10169
## 9376	129.2884	NA	219.198750	45.4038	1.0300	1.0180610	63.79310
## 9378	124.4400	NA	210.061150	46.4010	1.0300	1.0315880	66.10169
## 9380	119.5916	NA	200.923550	47.3982	1.0300	1.0365220	65.57377
## 9382	114.7432	NA	191.785950	48.3954	1.0300	1.0392350	65.07937
## 9384	109.6490	NA	182.180570	51.0311	1.0300	1.0368200	61.53846
## 9386	104.3090	NA	172.107410	52.1460	1.0300	1.0399780	57.81250
## 9388	98.9690	97.1	162.034250	53.1897	1.0300	1.0334800	56.92308
## 9390	94.6282	91.1	154.035300	54.2156	1.0300	1.0251350	52.94118
## 9392	90.2874	87.5	146.036350	55.2960	1.0300	1.0245580	48.61111
## 9394	85.7034	87.0	137.695550	56.4730	1.0300	1.0236110	44.73684
## 9396	80.8762	88.5	129.012910	57.7338	1.0300	1.0245680	45.56962
## 9398	76.0490	90.1	120.330260	58.9406	1.0300	1.0272320	46.98795
## 9400	71.5994	91.0	112.407560	59.8601	1.0300	1.0265280	49.42529
## 9402	67.1498	91.9	104.484850	60.3829	1.0300	1.0214490	51.61290
## 9404	64.6620	94.1	100.040580	60.5863	1.0300	1.0212790	48.45361
## 9406	64.1360	97.9	99.074742	60.7086	1.0300	1.0191100	46.53465
## 9408	63.6100	102.6	98.108906	60.9302	1.0300	1.0171880	47.57282
## 9410	62.3744	106.9	95.918888	61.2601	1.0300	1.0166290	48.59813
## 9412	61.1388	109.8	93.728869	61.6042	1.0300	1.0171840	47.74775
## 9414	59.9192	111.2	91.573696	61.9345	1.0300	1.0180100	47.82609
## 9416	58.7156	110.2	89.453366	62.2551	1.0300	1.0182410	47.93388
## 9418	57.5120	106.5	87.333037	62.5703	1.0300	1.0182080	49.60000

## 9420	56.3588	100.5	85.308468	62.8599	1.0300	1.0188300	48.09160
## 9422	55.2056	93.2	83.283898	63.1370	1.0300	1.0195660	48.88889
## 9424	54.0714	85.4	81.287797	63.4780	1.0300	1.0195880	50.71429
## 9426	52.9562	77.6	79.320166	63.9651	1.0300	1.0192430	50.34014
## 9428	51.8410	70.1	77.352535	64.5769	1.0300	1.0190530	52.28758
## 9430	49.5186	63.6	73.245395	65.1880	1.0300	1.0191420	51.87500
## 9432	47.1962	58.5	69.138256	65.6726	1.0300	1.0193920	51.49701
## 9434	45.5912	54.4	66.287168	66.0038	1.0300	1.0194430	54.28571
## 9436	44.7036	50.8	64.692133	66.2595	1.0300	1.0187020	53.55191
## 9438	43.8160	47.3	63.097098	66.5137	1.0300	1.0179900	52.87958
## 9440	218.3688	NA	323.574220	39.9614	1.0300	1.0212730	54.42326
## 9442	210.0044	NA	311.636860	40.9522	1.0300	0.9985685	54.16543
## 9444	201.6400	NA	299.699500	41.9430	1.0300	0.9885584	54.06013
## 9446	193.2756	NA	287.762140	42.9338	1.0300	0.9824805	53.59808
## 9448	184.9112	NA	275.824780	43.9246	1.0300	0.9905877	53.35350
## 9450	176.6734	NA	263.995640	46.1744	1.0300	1.0007800	53.05832
## 9452	168.5622	NA	252.274740	47.2361	1.0300	1.0036060	52.91122
## 9454	160.4510	NA	240.553830	48.4384	1.0300	1.0052430	52.79785
## 9456	151.2186	NA	226.827590	49.9151	1.0300	1.0042040	52.53031
## 9458	141.9862	NA	213.101340	51.7139	1.0300	1.0090360	52.40136
## 9460	130.9400	NA	196.247550	53.7972	1.0300	1.0105850	52.34580
## 9462	118.0800	150.9	176.266200	56.0362	1.0300	1.0129270	52.47126
## 9464	105.2200	133.4	156.284850	58.2569	1.0300	1.0221890	52.56428
## 9466	93.9044	118.0	137.760190	60.3414	1.0300	1.0133110	52.65823
## 9468	82.5888	104.4	119.235540	62.2410	1.0300	1.0146590	52.56892
## 9470	72.7832	91.9	103.421210	63.9084	1.0300	1.0150380	52.92223
## 9472	64.4876	80.3	90.317226	65.3622	1.0300	1.0152060	53.69055
## 9474	56.1920	69.1	77.213239	66.6368	1.0300	1.0210360	54.56927
## 9476	50.1728	58.4	68.074519	67.7482	1.0300	1.0243070	54.95151
## 9478	44.1536	48.6	58.935800	68.7212	1.0300	1.0264400	55.13883
## 9480	38.9936	40.5	51.238691	69.5922	1.0300	1.0267190	55.06483
## 9482	34.6928	34.2	44.983192	70.3859	1.0300	1.0312780	55.06679
## 9484	30.3920	29.7	38.727692	71.1093	1.0300	1.0262250	55.65928
## 9486	27.4928	26.3	34.559994	71.7543	1.0300	1.0267220	57.79696
## 9488	24.5936	23.8	30.392295	72.2989	1.0300	1.0212330	59.25766
## 9490	22.0128	22.0	26.678095	72.7166	1.0300	1.0219280	60.49164
## 9492	19.7504	20.7	23.417395	72.9946	1.0300	1.0244660	62.14145
## 9494	17.4880	19.7	20.156695	73.1770	1.0300	1.0276780	63.70176
## 9496	16.3780	18.7	19.049648	73.3451	1.0300	1.0295150	65.25073
## 9498	15.2680	17.6	17.942602	73.5643	1.0300	1.0284400	66.35777
## 9500	14.3706	16.5	16.965790	73.8549	1.0300	1.0277350	67.28264
## 9502	13.6858	15.5	16.119212	74.1776	1.0300	1.0265440	68.11033
## 9504	13.0010	14.5	15.272634	74.4933	1.0300	1.0290200	68.55422
## 9506	131.6110	340.8	335.216960	33.8576	1.0360	0.9905207	54.74308
## 9508	129.6750	329.6	327.750210	34.6648	1.0360	1.0077290	54.45619
## 9510	127.7390	318.8	320.283470	35.4720	1.0360	1.0158360	54.67290
## 9512	125.8030	310.1	312.816730	36.2792	1.0360	1.0208490	54.12969
## 9514	123.8670	304.5	305.349980	37.0864	1.0360	1.0175070	54.04269
## 9516	121.8248	302.5	299.898890	38.3632	1.0360	1.0138910	53.66003
## 9518	119.6764	302.3	296.463460	38.4632	1.0360	1.0144890	52.97015
## 9520	117.5280	301.6	293.028030	38.3957	1.0360	1.0169640	52.80899
## 9522	115.6520	299.0	295.316960	38.4160	1.0360	1.0175100	52.56344
## 9524	113.7760	294.4	297.605900	38.8086	1.0360	1.0164660	52.73571
## 9526	111.8840	285.4	294.204480	39.8079	1.0360	1.0177380	52.72476

## 9528	109.9760	271.1	285.112720	41.4405	1.0360	1.0193080	52.55080
## 9530	108.0680	252.4	276.020950	43.5188	1.0360	1.0171380	52.62191
## 9532	103.7876	231.3	255.946400	45.7673	1.0360	1.0200140	51.62791
## 9534	99.5072	212.8	235.871850	47.9268	1.0360	1.0194220	50.93088
## 9536	94.8864	198.6	217.930670	49.9367	1.0360	1.0199850	50.27952
## 9538	89.9252	186.5	202.122850	51.9386	1.0360	1.0208630	49.81032
## 9540	84.9640	172.6	186.315030	53.9041	1.0360	1.0220800	49.68934
## 9542	81.0880	156.6	171.800470	55.5970	1.0360	1.0231790	49.59100
## 9544	77.2120	144.1	157.285910	56.8009	1.0360	1.0235910	49.73923
## 9546	74.5382	138.7	147.604500	57.4095	1.0360	1.0249520	49.96774
## 9548	73.0666	139.3	142.756230	57.5114	1.0360	1.0258210	50.32791
## 9550	71.5950	142.1	137.907970	57.3796	1.0360	1.0238660	50.86672
## 9552	70.2598	143.4	138.634040	57.3034	1.0360	1.0240830	51.11863
## 9554	68.9246	139.7	139.360120	57.5082	1.0360	1.0223470	51.45056
## 9556	66.8344	128.4	134.586110	58.1356	1.0360	1.0226760	51.88772
## 9558	63.9892	112.5	124.312010	59.1277	1.0360	1.0234970	52.29083
## 9560	61.1440	96.2	114.037920	60.3619	1.0360	1.0243430	52.74647
## 9562	57.1224	82.0	100.180990	61.7842	1.0360	1.0256720	52.95453
## 9564	53.1008	70.1	86.324065	63.2868	1.0360	1.0251390	53.18337
## 9566	49.6570	60.0	74.559776	64.6954	1.0360	1.0251050	53.27544
## 9568	46.7910	52.5	64.888125	65.8788	1.0360	1.0256900	53.23114
## 9570	43.9250	47.2	55.216474	66.8044	1.0360	1.0269910	53.29147
## 9572	128.9084	NA	150.169970	57.1356	1.0520	1.0400310	64.16168
## 9574	123.2152	NA	142.822430	58.1268	1.0520	1.0338620	64.08042
## 9576	117.5220	NA	135.474900	59.1180	1.0520	1.0301220	64.03594
## 9578	111.8288	NA	128.127360	60.1092	1.0520	1.0260460	63.76576
## 9580	106.1356	NA	120.779820	61.1004	1.0520	1.0291130	63.51514
## 9582	100.2262	NA	113.395400	62.1278	1.0520	1.0341650	63.71995
## 9584	94.1006	NA	105.974080	63.1914	1.0520	1.0354680	64.05643
## 9586	87.9750	NA	98.552774	64.2550	1.0520	1.0356660	64.79898
## 9588	80.2314	NA	89.580146	65.2410	1.0520	1.0394460	65.42868
## 9590	72.4878	NA	80.607518	66.2270	1.0520	1.0443320	66.27777
## 9592	65.0570	NA	72.264086	67.0816	1.0520	1.0474190	66.58525
## 9594	57.9390	NA	64.549852	67.8048	1.0520	1.0469490	66.39079
## 9596	50.8210	NA	56.835617	68.5280	1.0520	1.0449130	66.16453
## 9598	46.5618	NA	52.111251	68.9308	1.0520	1.0426890	65.98176
## 9600	42.3026	NA	47.386885	69.3336	1.0520	1.0424160	65.99841
## 9602	39.0940	NA	43.843342	69.6684	1.0520	1.0422260	66.21035
## 9604	36.9360	NA	41.480623	69.9352	1.0520	1.0421070	66.63745
## 9606	34.7780	39.1	39.117903	70.2020	1.0520	1.0435940	66.95483
## 9608	29.8124	36.2	33.847616	70.5776	1.0520	1.0486840	66.88055
## 9610	24.8468	31.2	28.577329	70.9532	1.0520	1.0552020	66.69841
## 9612	21.3222	25.9	24.803244	71.4878	1.0520	1.0583420	66.54171
## 9614	19.2386	23.1	22.525362	71.5022	1.0520	1.0530630	66.49316
## 9616	17.1550	19.7	20.247480	71.7430	1.0520	1.0463340	66.47446
## 9618	16.7370	15.4	19.666109	72.0390	1.0520	1.0426900	66.26087
## 9620	16.3190	13.1	19.084738	71.8766	1.0520	1.0484890	65.76360
## 9622	15.7154	12.2	18.388616	72.2341	1.0520	1.0541230	65.53010
## 9624	14.9262	10.6	17.577743	72.4366	1.0520	1.0524380	65.82866
## 9626	14.1370	8.9	16.766870	72.8341	1.0520	1.0502280	66.36552
## 9628	13.4602	8.1	15.943472	73.6317	1.0520	1.0477130	67.07558
## 9630	12.7834	7.8	15.120073	73.9854	1.0520	1.0509340	67.60563
## 9632	11.9104	7.3	14.086920	74.5366	1.0520	1.0520220	67.57535
## 9634	10.8412	6.9	12.844012	75.1854	1.0520	1.0504190	67.11792



## 9636	9.7720	6.7	11.601103	75.4878	1.0520	1.0486780	66.61394
## 9638	91.1548	117.4	118.860410	56.8040	1.0600	1.0231680	60.57262
## 9640	88.1024	114.6	114.920310	57.3840	1.0600	1.0388490	58.99752
## 9642	85.0500	111.4	110.980210	57.9640	1.0600	1.0565030	58.45671
## 9644	81.9976	107.9	107.040100	58.5440	1.0600	1.0610570	56.99917
## 9646	78.9452	104.4	103.100000	59.1240	1.0600	1.0647530	55.99941
## 9648	76.3998	100.5	99.225066	60.1008	1.0600	1.0581750	54.46677
## 9650	74.3614	96.1	95.415295	61.4744	1.0600	1.0522350	52.51938
## 9652	72.3230	90.6	91.605524	62.8480	1.0600	1.0509120	51.65491
## 9654	69.0890	84.0	87.076256	63.4672	1.0600	1.0495830	50.69003
## 9656	65.8550	76.1	82.546987	64.0864	1.0600	1.0477260	50.49879
## 9658	60.0534	67.7	75.057684	64.9154	1.0600	1.0519960	50.83603
## 9660	51.6842	59.2	64.608347	65.9542	1.0600	1.0557460	51.70745
## 9662	43.3150	50.4	54.159009	66.9930	1.0600	1.0531300	52.76142
## 9664	37.2378	41.5	46.692128	67.8042	1.0600	1.0517490	53.60320
## 9666	31.1606	33.6	39.225246	68.6154	1.0600	1.0496940	54.57922
## 9668	26.1694	27.6	33.121408	69.2854	1.0600	1.0470480	55.71934
## 9670	22.2642	23.4	28.380616	69.8142	1.0600	1.0506150	56.89780
## 9672	18.3590	20.5	23.639824	70.3430	1.0600	1.0516410	57.94591
## 9674	15.9618	18.6	20.756048	69.7319	1.0600	1.0514050	57.73318
## 9676	13.5646	17.1	17.872271	70.9398	1.0600	1.0510410	57.55524
## 9678	12.1956	16.0	16.235264	70.9876	1.0600	1.0535030	58.47600
## 9680	11.8548	15.1	15.845026	70.7848	1.0600	1.0538680	60.20294
## 9682	11.5140	14.5	15.454787	70.5820	1.0600	1.0520510	61.68859
## 9684	11.3264	14.2	15.029410	71.4146	1.0600	1.0547760	62.34549
## 9686	11.1388	14.2	14.604033	71.2020	1.0600	1.0514170	63.22409
## 9688	10.9512	14.3	14.190467	71.5068	1.0600	1.0480390	64.74145
## 9690	10.7636	14.3	13.788712	71.0293	1.0600	1.0459860	66.48400
## 9692	10.5760	14.2	13.386957	72.1317	1.0600	1.0579600	67.98878
## 9694	10.4148	14.2	13.114681	73.1927	1.0600	1.0564040	68.63531
## 9696	10.2536	14.2	12.842404	73.0341	1.0600	1.0606880	69.66436
## 9698	10.1730	14.2	12.706060	72.7244	1.0600	1.0566040	70.13645
## 9700	10.1730	14.0	12.705649	73.1195	1.0600	1.0488900	70.08139
## 9702	10.1730	13.6	12.705238	73.2293	1.0600	1.0456930	69.67586
## 9704	241.7854	NA	429.498100	27.9732	1.0180	0.9816575	57.36118
## 9706	238.8202	NA	423.936300	28.3936	1.0180	0.9372450	57.55611
## 9708	235.8550	NA	418.374500	28.8140	1.0180	0.9146518	58.04094
## 9710	232.8898	NA	412.812700	29.2344	1.0180	0.9065155	57.94481
## 9712	229.9246	NA	407.250890	29.6548	1.0180	0.9155011	58.12442
## 9714	226.8766	390.3	401.652560	30.5404	1.0180	0.9320638	58.28054
## 9716	223.7458	378.7	396.017690	30.9776	1.0180	0.9320658	58.19383
## 9718	220.6150	366.2	390.382810	31.5426	1.0180	0.9274398	58.55122
## 9720	216.3214	353.4	382.324420	32.4628	1.0180	0.9295317	58.10754
## 9722	212.0278	340.5	374.266030	33.8104	1.0180	0.9334496	57.82450
## 9724	204.0246	329.0	359.018920	35.4519	1.0180	0.9418594	57.58405
## 9726	192.3118	318.4	336.583080	37.0997	1.0180	0.9491031	57.00301
## 9728	180.5990	308.7	314.147240	38.4931	1.0180	0.9550779	56.61605
## 9730	173.0722	299.8	298.707740	39.5723	1.0180	0.9628407	55.87115
## 9732	165.5454	291.5	283.268240	40.3767	1.0180	0.9663627	55.13585
## 9734	159.6444	284.0	270.923400	40.8177	1.0180	0.9714027	54.54834
## 9736	155.3692	277.9	261.673210	40.8069	1.0180	0.9745994	53.94417
## 9738	151.0940	272.8	252.423020	40.3248	1.0180	0.9764728	53.46220
## 9740	151.1972	268.2	252.654710	39.3307	1.0180	0.9794466	52.82455
## 9742	151.3004	265.2	252.886400	38.0186	1.0180	0.9794103	52.57865

## 9744	153.1434	263.4	256.892560	36.7483	1.0180	0.9796036	52.48353
## 9746	156.7262	261.5	264.673190	35.8858	1.0180	0.9786761	52.46533
## 9748	160.3090	257.5	272.453830	35.7248	1.0180	0.9778332	52.81397
## 9750	155.6754	250.5	262.411760	36.4262	1.0180	0.9800534	52.91363
## 9752	151.0418	241.1	252.369700	37.8125	1.0180	0.9828177	53.20334
## 9754	145.9508	229.9	241.348660	39.6455	1.0180	0.9865177	53.22275
## 9756	140.4024	217.4	229.348640	41.6491	1.0180	0.9919046	53.37780
## 9758	134.8540	203.7	217.348620	43.6031	1.0180	0.9963172	53.63834
## 9760	127.6744	188.0	202.435110	45.4884	1.0180	0.9993481	53.50519
## 9762	120.4948	169.9	187.521600	47.3502	1.0180	0.9987208	53.73584
## 9764	112.4078	150.6	170.887870	49.0347	1.0180	0.9989626	54.00237
## 9766	103.4134	133.4	152.533920	50.3631	1.0180	1.0016410	54.37773
## 9768	94.4190	120.4	134.179960	51.3082	1.0180	1.0046340	54.99768
## 9770	75.2176	NA	104.069660	57.1728	1.0730	1.0669330	56.74157
## 9772	68.0988	NA	94.422427	58.7004	1.0730	1.0655550	56.87606
## 9774	60.9800	72.0	84.775198	60.2280	1.0730	1.0657680	56.43185
## 9776	53.8612	61.5	75.127969	61.7556	1.0730	1.0697250	55.40915
## 9778	46.7424	52.3	65.480741	63.2832	1.0730	1.0707030	54.79975
## 9780	40.2670	43.8	55.788970	66.0872	1.0730	1.0687930	53.90533
## 9782	34.4350	38.2	46.052658	66.7008	1.0730	1.0631150	53.35196
## 9784	28.6030	35.0	36.316346	67.0858	1.0730	1.0581720	53.64556
## 9786	26.6750	32.0	34.035594	67.4457	1.0730	1.0488100	55.07394
## 9788	24.7470	28.7	31.754842	67.9511	1.0730	1.0548310	56.97446
## 9790	22.8944	26.1	29.263988	68.6505	1.0730	1.0597370	58.92097
## 9792	21.1172	22.0	26.563030	69.4403	1.0730	1.0608910	60.97672
## 9794	19.3400	17.6	23.862073	70.2197	1.0730	1.0633720	63.14627
## 9796	16.7436	15.2	20.592454	70.9609	1.0730	1.0746100	65.01294
## 9798	14.1472	15.2	17.322836	71.6827	1.0730	1.0854910	67.34007
## 9800	12.0304	14.1	14.776076	72.5878	1.0730	1.0863380	68.99351
## 9802	10.3932	12.3	12.952174	73.0366	1.0730	1.0724680	69.76384
## 9804	8.7560	10.9	11.128272	73.8902	1.0730	1.0581440	70.53176
## 9806	7.4432	9.8	9.502604	74.5488	1.0730	1.0562400	71.54500
## 9808	6.1304	8.4	7.876936	74.9463	1.0730	1.0684430	72.64696
## 9810	5.3076	6.9	6.818370	75.6463	1.0730	1.0733300	72.87097
## 9812	4.9748	5.8	6.326908	76.0463	1.0730	1.0725480	72.10574
## 9814	4.6420	5.2	5.835446	76.2951	1.0730	1.0701520	71.43267
## 9816	4.4172	4.8	5.612651	76.8976	1.0730	1.0713370	70.93596
## 9818	4.1924	4.3	5.389857	77.5512	1.0730	1.0727240	71.14831
## 9820	3.7650	3.7	4.883186	78.2512	1.0730	1.0718910	71.63808
## 9822	3.1350	3.2	4.092638	79.0390	1.0730	1.0645020	72.24442
## 9824	2.5050	2.9	3.302090	79.9902	1.0730	1.0530650	72.63626
## 9826	2.3674	2.9	3.081330	80.4415	1.0730	1.0455330	72.80794
## 9828	2.2298	2.8	2.860571	81.2415	1.0730	1.0347230	73.33333
## 9830	2.1422	2.8	2.714682	81.7439	1.0730	1.0359430	73.60308
## 9832	2.1046	2.8	2.643666	82.2463	1.0730	1.0519230	73.32100
## 9834	2.0670	2.7	2.572650	82.5951	1.0730	1.0677080	72.76945
## 9836	102.8856	NA	118.681610	61.0156	1.0500	1.0406360	64.27350
## 9838	88.4908	NA	102.469170	62.7328	1.0500	1.0484410	63.38067
## 9840	74.0960	NA	86.256719	64.4500	1.0500	1.0503660	62.78521
## 9842	59.7012	NA	70.044272	66.1672	1.0500	1.0450970	62.12045
## 9844	45.3064	NA	53.831824	67.8844	1.0500	1.0430610	61.95146
## 9846	35.7964	NA	42.969640	70.2878	1.0500	1.0437150	61.69807
## 9848	31.1712	NA	37.457720	70.6057	1.0500	1.0473050	61.41127
## 9850	26.5460	NA	31.945800	70.6034	1.0500	1.0495580	61.52090

## 9852	26.0472	NA	31.380200	70.4195	1.0500	1.0515570	62.13417
## 9854	25.5484	NA	30.814599	70.2102	1.0500	1.0494680	63.12514
## 9856	25.1612	NA	30.175859	70.1044	1.0500	1.0443690	63.83538
## 9858	24.8856	NA	29.463981	70.1285	1.0500	1.0429410	64.09374
## 9860	24.6100	NA	28.752102	70.2468	1.0500	1.0430230	64.08094
## 9862	23.6380	NA	27.413003	70.3996	1.0500	1.0432700	63.67389
## 9864	22.6660	NA	26.073904	70.5209	1.0500	1.0424500	63.38997
## 9866	21.3304	25.9	24.414393	70.6293	1.0500	1.0429150	63.47186
## 9868	19.6312	23.8	22.434470	70.4790	1.0500	1.0444580	63.98588
## 9870	17.9320	21.8	20.454547	70.7346	1.0500	1.0454290	64.28848
## 9872	16.3072	20.0	18.738914	71.0888	1.0500	1.0457350	64.17194
## 9874	14.6824	18.4	17.023282	71.0263	1.0500	1.0438720	64.06696
## 9876	13.4126	16.9	15.637286	70.8829	1.0500	1.0434200	64.47716
## 9878	12.4978	15.6	14.580926	72.4488	1.0500	1.0453320	65.31109
## 9880	11.5830	14.4	13.524567	72.2537	1.0500	1.0483150	66.39940
## 9882	10.5618	13.2	12.459353	72.7049	1.0500	1.0500010	67.32986
## 9884	9.5406	12.2	11.394140	72.9024	1.0500	1.0507520	68.35655
## 9886	8.6778	11.3	10.469787	73.4024	1.0500	1.0496880	69.49499
## 9888	7.9734	10.6	9.686296	73.6049	1.0500	1.0486090	70.52925
## 9890	7.2690	9.9	8.902804	73.9049	1.0500	1.0486950	71.53732
## 9892	6.8394	9.2	8.361126	74.2073	1.0500	1.0483490	72.05119
## 9894	6.4098	8.6	7.819449	74.9098	1.0500	1.0490500	72.30655
## 9896	6.0960	8.1	7.396876	75.9585	1.0500	1.0493000	72.26021
## 9898	5.8980	7.7	7.093406	76.4122	1.0500	1.0482560	71.83982
## 9900	5.7000	7.3	6.789936	77.2122	1.0500	1.0470310	71.02838
## 9902	26.0268	NA	33.246018	63.7814	1.0540	1.0302470	65.31714
## 9904	24.3984	NA	30.960341	64.6942	1.0540	1.0484910	65.13639
## 9906	22.7700	NA	28.674663	65.6070	1.0540	1.0570020	65.02947
## 9908	21.1416	NA	26.388986	66.5198	1.0540	1.0668900	64.75515
## 9910	19.5132	NA	24.103309	67.4326	1.0540	1.0588980	64.59391
## 9912	18.2778	NA	22.382704	68.9781	1.0540	1.0464630	64.68378
## 9914	17.4354	NA	21.227174	68.6219	1.0540	1.0482470	64.74597
## 9916	16.5930	NA	20.071643	68.3659	1.0540	1.0576270	65.13198
## 9918	16.5826	NA	20.038674	69.3659	1.0540	1.0600010	65.42909
## 9920	16.5722	NA	20.005705	68.3610	1.0540	1.0532490	65.84337
## 9922	16.3590	NA	19.708069	68.8341	1.0540	1.0541890	65.99287
## 9924	15.9430	NA	19.145766	69.4049	1.0540	1.0546050	65.55556
## 9926	15.5270	NA	18.583463	70.3585	1.0540	1.0525430	65.11761
## 9928	14.8082	NA	17.638315	70.5561	1.0540	1.0507450	65.07312
## 9930	14.0894	NA	16.693168	70.8537	1.0540	1.0514640	65.17906
## 9932	13.6580	18.0	16.125533	71.2049	1.0540	1.0570910	65.55436
## 9934	13.5140	16.1	15.935410	70.5415	1.0540	1.0578340	66.57909
## 9936	13.3700	14.4	15.745288	71.3512	1.0540	1.0562560	67.76350
## 9938	12.1176	12.7	14.311684	72.0024	1.0540	1.0488680	68.16574
## 9940	10.8652	11.1	12.878080	72.7049	1.0540	1.0523150	68.36582
## 9942	9.6584	9.7	11.493406	73.3537	1.0540	1.0572010	68.72510
## 9944	8.4972	8.5	10.157659	73.2537	1.0540	1.0546780	69.10000
## 9946	7.3360	7.4	8.821913	73.9585	1.0540	1.0526480	69.61326
## 9948	6.3672	6.6	7.705261	74.7073	1.0540	1.0476270	69.81891
## 9950	5.3984	5.8	6.588608	75.0098	1.0540	1.0516900	70.03519
## 9952	4.7374	5.2	5.795888	75.7585	1.0540	1.0520600	70.08547
## 9954	4.3842	4.7	5.327100	76.8585	1.0540	1.0500000	70.38713
## 9956	4.0310	4.3	4.858312	77.6122	1.0540	1.0523530	70.50576
## 9958	3.6974	3.8	4.496167	78.5610	1.0540	1.0550110	70.15369

##	9960	3.3638	3.5	4.134021	78.9707	1.0540	1.0596550	69.60352
##	9962	3.0592	3.1	3.796763	79.9707	1.0540	1.0606780	69.01408
##	9964	2.7836	2.8	3.484393	80.3220	1.0540	1.0581810	68.18402
##	9966	2.5080	2.6	3.172024	81.0780	1.0540	1.0545800	67.02128
##	9968	157.7074	NA	237.507780	43.3664	1.0700	1.0198370	55.32198
##	9970	151.9002	NA	228.115120	44.3772	1.0700	1.0450490	54.07629
##	9972	146.0930	NA	218.722450	45.3880	1.0700	1.0581620	55.50196
##	9974	140.2858	NA	209.329790	46.3988	1.0700	1.0735190	55.38148
##	9976	134.4786	NA	199.937130	47.4096	1.0700	1.0753530	53.90783
##	9978	128.7584	185.6	190.655910	49.8817	1.0700	1.0600650	54.56942
##	9980	123.1252	166.7	181.486130	50.8817	1.0700	1.0534750	54.64219
##	9982	117.4920	149.7	172.316350	51.8817	1.0700	1.0548200	52.48686
##	9984	112.1268	132.8	163.632740	52.8817	1.0700	1.0596420	52.05205
##	9986	106.7616	115.6	154.949130	53.8817	1.0700	1.0620180	53.64516
##	9988	101.5268	99.2	146.541550	54.9067	1.0700	1.0655510	52.57349
##	9990	96.4224	85.2	138.410000	55.9771	1.0700	1.0646540	51.87222
##	9992	91.3180	73.5	130.278460	57.0305	1.0700	1.0634030	49.44922
##	9994	86.4408	63.9	122.584170	57.9896	1.0700	1.0627180	49.72933
##	9996	81.5636	56.4	114.889870	58.7074	1.0700	1.0637760	49.99058
##	9998	78.4418	51.1	109.969540	58.8834	1.0700	1.0660410	49.01387
##	Pop1564Female		GDPpcc	GDPpccGrowth	Yschooling	YschoolF1549	GenrollPrim	
##	2	54.06208	NA	NA	0.278	0.08758149	NA	
##	4	54.13613	NA	NA	0.294	0.08915317	NA	
##	6	54.21412	NA	NA	0.310	0.09072485	NA	
##	8	53.91750	NA	NA	0.334	0.09742289	NA	
##	10	53.76849	NA	NA	0.358	0.10412092	NA	
##	12	53.69702	NA	NA	0.380	0.10880781	NA	
##	14	53.74811	NA	NA	0.400	0.11148357	NA	
##	16	53.93676	NA	NA	0.420	0.11415933	NA	
##	18	53.51640	NA	NA	0.528	0.14417761	NA	
##	20	53.09851	NA	NA	0.636	0.17419589	NA	
##	22	52.68990	NA	NA	0.736	0.20427736	32.21030	
##	24	52.37127	NA	NA	0.828	0.23442202	32.87380	
##	26	52.27162	NA	NA	0.920	0.26456668	33.31620	
##	28	51.83801	NA	NA	1.040	0.32400732	35.12280	
##	30	51.64650	NA	NA	1.160	0.38344796	NA	
##	32	51.45768	NA	NA	1.290	0.45533423	48.54340	
##	34	51.09744	NA	NA	1.430	0.53966611	NA	
##	36	50.68590	NA	NA	1.570	0.62399799	24.69520	
##	38	50.39697	NA	NA	1.690	0.70899764	NA	
##	40	50.15867	NA	NA	1.810	0.79399729	31.18460	
##	42	49.80720	NA	NA	1.948	0.88872594	28.68420	
##	44	49.79079	NA	NA	2.104	0.99318360	31.15370	
##	46	49.80222	NA	NA	2.260	1.09764130	46.24320	
##	48	49.36317	NA	NA	2.500	1.22430420	NA	
##	50	49.07357	NA	NA	2.740	1.35096710	27.04070	
##	52	48.93489	NA	NA	2.930	1.45358820	22.20240	
##	54	49.26471	NA	NA	3.070	1.53216740	99.24850	
##	56	49.77936	NA	NA	3.210	1.61074660	104.17100	
##	58	49.66480	NA	NA	3.466	1.91461300	104.69100	
##	60	49.69362	NA	NA	3.722	2.21847930	102.22500	
##	62	50.25352	NA	NA	NA	NA	102.81000	
##	64	51.48156	NA	NA	NA	NA	110.06500	
##	66	52.96769	NA	NA	NA	NA	111.87700	

## 68	54.95208	NA	NA	2.636	2.43540760	NA
## 70	55.11450	NA	NA	2.708	2.46614830	NA
## 72	54.92754	NA	NA	2.780	2.49688890	NA
## 74	54.12088	NA	NA	2.860	2.72204480	NA
## 76	53.95590	NA	NA	2.940	2.94720060	NA
## 78	53.17848	NA	NA	3.066	3.14612110	NA
## 80	52.35903	NA	NA	3.238	3.31880630	NA
## 82	51.95652	NA	NA	3.410	3.49149140	NA
## 84	52.16495	NA	NA	3.758	3.94404620	NA
## 86	52.79686	NA	NA	4.106	4.39660090	NA
## 88	53.55805	3398.6988	0.0157356	4.494	4.83211880	NA
## 90	54.42359	3510.0721	0.0160551	4.922	5.25060000	NA
## 92	55.25192	3633.9526	0.0174732	5.350	5.66908120	NA
## 94	56.41864	3768.3633	0.0206776	5.766	6.22302600	NA
## 96	57.64706	3874.4241	0.0096769	6.182	6.77697080	112.21600
## 98	58.76599	4058.8011	0.0103207	6.668	7.27405740	105.06400
## 100	59.58062	4090.8216	0.0221815	7.224	7.71428560	102.73300
## 102	60.24931	4021.3582	-0.0167503	7.780	8.15451380	103.91800
## 104	60.62005	4130.4429	-0.0045748	8.068	8.50469870	101.75900
## 106	61.16382	4157.5335	0.0524073	8.356	8.85488350	99.78550
## 108	61.34245	3341.1863	-0.1782894	8.444	9.07031530	101.63100
## 110	61.41338	3259.7021	0.2138505	8.332	9.15099400	98.94790
## 112	61.57261	4315.8944	0.0871258	8.220	9.23167270	104.53400
## 114	61.94747	4166.9638	-0.2101250	8.724	9.75700110	108.56800
## 116	62.40310	4755.1093	0.1358881	9.228	10.28232900	106.30500
## 118	63.12378	5031.6888	0.0327749	9.554	10.56882900	103.47400
## 120	64.20712	5418.2007	0.0652447	9.702	10.61649900	100.01800
## 122	65.55773	6109.3344	0.0476437	9.850	10.66417000	101.47200
## 124	66.64439	7284.9300	0.0880136	9.882	10.64791800	99.09310
## 126	67.56198	8886.3026	0.0841017	9.914	10.63166600	97.52530
## 128	68.27057	9196.8054	0.0240383	NA	NA	101.81600
## 130	69.04432	10101.0075	0.0098858	NA	NA	107.78500
## 132	69.38356	NA	NA	NA	NA	113.70000
## 134	55.48822	NA	NA	0.848	0.63831249	NA
## 136	54.68414	NA	NA	0.844	0.64113305	NA
## 138	54.44103	NA	NA	0.840	0.64395361	NA
## 140	53.70045	NA	NA	0.856	0.62662535	NA
## 142	53.30364	NA	NA	0.872	0.60929709	NA
## 144	52.30199	4528.4084	-0.1146069	0.924	0.60387869	NA
## 146	50.86366	4222.0198	0.1670723	1.012	0.61037017	NA
## 148	49.96818	4613.3736	0.0562954	1.100	0.61686164	NA
## 150	49.67655	4389.9179	0.1131477	1.280	0.76883249	NA
## 152	50.08528	4874.3015	0.0562725	1.460	0.92080335	NA
## 154	50.15463	5080.7715	-0.0541067	1.662	1.10729420	74.01550
## 156	50.03821	5953.8466	0.0605974	1.886	1.32830510	82.82420
## 158	50.06026	7665.8368	-0.0707598	2.110	1.54931600	88.70630
## 160	50.14235	8583.3309	0.0652800	2.390	1.83325490	93.65260
## 162	50.40825	10265.8116	0.1240931	2.670	2.11719370	94.43430
## 164	50.64200	11452.9096	0.0439224	3.046	2.50407810	93.24670
## 166	50.91704	11413.5411	0.0218000	3.518	2.99390800	90.92420
## 168	51.38230	11831.4677	0.0222092	3.990	3.48373790	89.63090
## 170	51.96924	8992.5990	-0.0941086	4.290	3.83258220	89.76800
## 172	52.82898	7994.8731	0.0027561	4.590	4.18142650	91.49610
## 174	53.88664	8206.3587	0.0006371	4.874	4.54491540	93.91360

## 176	55.14400	7127.5038	-0.0895004	5.142	4.92304890	96.22520
## 178	56.71924	6973.3818	0.0160847	5.410	5.30118230	96.88150
## 180	58.45090	7487.8644	-0.0148249	5.514	5.53177370	99.23460
## 182	60.45607	7661.1315	0.0544348	5.618	5.76236500	102.37900
## 184	62.49439	8914.5306	-0.0504351	5.644	6.01283700	103.90200
## 186	64.34641	9702.2567	0.0810041	5.592	6.28318970	106.03300
## 188	65.86062	11603.6722	0.1398849	5.540	6.55354230	107.74500
## 190	66.81591	12377.6820	-0.0206013	5.996	6.91488370	109.62800
## 192	67.21330	11036.9958	-0.1620340	6.452	7.27622500	112.43100
## 194	66.96473	13440.0722	0.0765438	NA	NA	116.74700
## 196	66.36790	13114.5899	-0.0335636	NA	NA	119.75200
## 198	65.51322	NA	NA	NA	NA	116.15400
## 200	55.61450	NA	NA	NA	NA	NA
## 202	54.83871	NA	NA	NA	NA	NA
## 204	54.71236	NA	NA	NA	NA	NA
## 206	53.77062	NA	NA	NA	NA	NA
## 208	53.40909	NA	NA	NA	NA	NA
## 210	52.81433	NA	NA	NA	NA	NA
## 212	51.95629	NA	NA	NA	NA	NA
## 214	51.70184	NA	NA	NA	NA	NA
## 216	51.28374	NA	NA	NA	NA	NA
## 218	51.47760	NA	NA	NA	NA	NA
## 220	51.37279	4927.6290	0.0374041	NA	NA	58.72720
## 222	51.28056	5060.0466	0.0537710	NA	NA	66.09950
## 224	51.24447	4727.9370	-0.0714979	NA	NA	NA
## 226	50.90433	4274.3279	-0.0246363	NA	NA	NA
## 228	50.76695	3779.8893	-0.0399818	NA	NA	NA
## 230	50.46339	3667.2569	-0.0652876	NA	NA	130.80600
## 232	50.20505	3460.8265	0.0209684	NA	NA	108.75500
## 234	50.18204	3505.5130	0.0489597	NA	NA	75.02470
## 236	49.89462	3104.9183	0.0772924	NA	NA	81.66930
## 238	49.87254	3032.0540	0.0413604	NA	NA	82.01190
## 240	49.77679	2354.8871	-0.2648458	NA	NA	71.93180
## 242	49.78292	2255.1781	-0.1180096	NA	NA	NA
## 244	50.00000	2284.1793	-0.0312457	NA	NA	NA
## 246	49.84295	2713.0878	-0.1440458	NA	NA	NA
## 248	49.93921	2807.7840	-0.0873199	NA	NA	NA
## 250	49.87949	2534.6235	0.1116109	NA	NA	NA
## 252	49.82240	2671.2120	-0.0509572	NA	NA	NA
## 254	49.88958	3695.1317	0.1881847	NA	NA	NA
## 256	49.69559	4724.7838	0.0498972	NA	NA	105.21000
## 258	49.74413	4675.4684	-0.1431389	NA	NA	111.15800
## 260	49.83284	7527.5082	0.2053642	NA	NA	128.70400
## 262	50.01692	7842.6656	0.0320168	NA	NA	NA
## 264	50.34904	NA	NA	NA	NA	NA
## 266	57.79226	NA	NA	NA	NA	NA
## 268	57.14509	NA	NA	NA	NA	NA
## 270	57.21159	NA	NA	NA	NA	NA
## 272	55.56039	NA	NA	NA	NA	NA
## 274	54.52695	NA	NA	NA	NA	NA
## 276	54.12769	NA	NA	NA	NA	NA
## 278	54.12805	NA	NA	NA	NA	NA
## 280	54.32985	NA	NA	NA	NA	NA
## 282	54.90190	NA	NA	NA	NA	NA

## 284	55.61601	NA	NA	NA	NA	NA
## 286	56.32191	4765.6466	0.0566683	NA	NA	80.72810
## 288	57.11753	5397.5944	0.0664806	NA	NA	NA
## 290	58.00548	5211.1608	-0.0703030	NA	NA	88.40310
## 292	59.10753	4992.6446	0.0636597	NA	NA	86.98290
## 294	60.31553	6222.4517	0.2148695	NA	NA	76.91750
## 296	61.69689	6295.2133	0.0447693	NA	NA	NA
## 298	62.67947	8351.3747	0.0452366	NA	NA	NA
## 300	63.49900	8067.4107	0.0926275	NA	NA	NA
## 302	63.66101	10364.3597	0.0728645	NA	NA	NA
## 304	62.75969	12304.5366	0.0518532	NA	NA	NA
## 306	61.68077	13008.1240	0.0127764	NA	NA	NA
## 308	61.30792	13781.9741	0.0484142	NA	NA	NA
## 310	61.29774	13233.5201	-0.0730190	NA	NA	109.14700
## 312	62.68134	14005.9037	0.0349083	NA	NA	NA
## 314	63.61333	15009.2224	0.0255823	NA	NA	NA
## 316	64.22948	14969.8683	-0.0172091	NA	NA	NA
## 318	64.71292	15950.9282	0.0237637	NA	NA	NA
## 320	64.85465	17499.2809	0.0525179	NA	NA	NA
## 322	65.60427	21427.1793	0.0892601	NA	NA	104.31900
## 324	66.52099	21447.4116	-0.0556498	NA	NA	102.79900
## 326	67.46120	19766.7746	0.0020857	NA	NA	100.67700
## 328	68.32833	20322.5196	0.0052137	NA	NA	NA
## 330	68.98746	NA	NA	NA	NA	97.05290
## 332	64.47786	2964.7908	0.0254984	4.920	5.05566790	NA
## 334	64.19975	2679.5783	0.0189133	5.060	5.13806150	NA
## 336	63.97797	2949.6066	0.0701098	5.200	5.22045510	NA
## 338	63.71764	3052.2365	0.0278716	5.388	5.39407050	NA
## 340	63.53791	3014.1726	-0.0697613	5.576	5.56768580	NA
## 342	63.46731	3297.9713	0.0300665	5.724	5.75224690	NA
## 344	63.40915	3022.6659	-0.0239201	5.832	5.94775350	NA
## 346	63.46589	3609.1537	0.1264963	5.940	6.14326020	NA
## 348	63.48872	3643.5311	0.0293274	6.088	6.37372010	NA
## 350	63.56444	3964.7410	0.0701971	6.236	6.60417990	NA
## 352	63.47261	4099.9754	0.0290012	6.418	6.83479150	106.37900
## 354	63.28069	4286.0039	0.0377073	6.634	7.06555470	105.53000
## 356	62.94879	4282.9541	-0.0287580	6.850	7.29631800	106.16400
## 358	62.31156	4272.7021	0.0251408	7.030	7.45237080	106.78000
## 360	61.58789	4390.4199	0.0732851	7.210	7.60842360	106.82700
## 362	60.90859	4470.2189	-0.0237312	7.410	7.87411270	107.62300
## 364	60.53194	4736.1739	0.0729322	7.630	8.24943810	NA
## 366	60.25633	4703.9086	-0.0569592	7.850	8.62476350	105.47000
## 368	60.10411	5588.4074	0.0573263	8.058	8.91587560	106.36100
## 370	59.92213	5594.5669	-0.0316620	8.266	9.20698770	NA
## 372	60.02718	7049.0083	0.1702528	8.424	9.39854280	109.08600
## 374	60.42768	9539.0489	0.1306896	8.532	9.49054110	NA
## 376	60.86153	11977.7484	0.0869169	8.640	9.58253930	NA
## 378	61.14058	15633.4151	0.0293894	8.676	9.59214880	108.26700
## 380	61.38185	14485.8612	-0.0733118	8.712	9.60175830	116.05300
## 382	61.68234	13106.4128	-0.0793972	8.860	9.69474210	118.06500
## 384	61.96024	12510.0448	0.0432615	9.120	9.87110000	116.50100
## 386	62.26934	14220.0381	0.0625954	9.380	10.04745800	117.13300
## 388	62.53489	16520.3788	0.0749893	9.432	10.09623200	119.34900
## 390	62.81246	16976.8385	-0.0110083	9.484	10.14500600	118.21100

## 392	62.96053	20224.6604	0.0890522	NA	NA	114.76800
## 394	62.96024	20578.8015	0.0145617	NA	NA	110.56600
## 396	62.94876	NA	NA	NA	NA	NA
## 398	58.67769	NA	NA	7.242	7.17187680	NA
## 400	60.31332	NA	NA	7.286	7.20938790	NA
## 402	60.53922	NA	NA	7.330	7.24689900	NA
## 404	59.10653	NA	NA	7.562	7.51648920	NA
## 406	57.28051	NA	NA	7.794	7.78607930	NA
## 408	55.75576	NA	NA	7.954	7.97115920	NA
## 410	54.97186	NA	NA	8.042	8.07172880	NA
## 412	54.63372	NA	NA	8.130	8.17229840	NA
## 414	54.76589	NA	NA	8.262	8.34128030	NA
## 416	55.68815	NA	NA	8.394	8.51026210	NA
## 418	57.04545	NA	NA	8.538	8.69446560	NA
## 420	58.81503	NA	NA	8.694	8.89389050	NA
## 422	60.40083	NA	NA	8.850	9.09331550	NA
## 424	61.81939	NA	NA	9.086	9.45154960	NA
## 426	63.29276	NA	NA	9.322	9.80978380	NA
## 428	64.18374	NA	NA	9.550	10.12551200	NA
## 430	64.49275	NA	NA	9.770	10.39873500	NA
## 432	64.47831	NA	NA	9.990	10.67195700	NA
## 434	64.44319	NA	NA	10.154	10.86154600	NA
## 436	64.26608	NA	NA	10.318	11.05113400	NA
## 438	63.63636	5289.8140	-0.0959568	10.406	11.14034100	102.46900
## 440	62.92711	2812.6277	-0.0932760	10.418	11.12916400	102.57700
## 442	62.71386	2671.0369	0.0677366	10.430	11.11798800	90.90550
## 444	63.41757	2699.3650	-0.0578847	10.434	11.05664700	125.68000
## 446	64.51613	2766.6303	0.0078721	10.438	10.99530600	133.03600
## 448	65.69659	3158.6290	0.0892725	10.452	10.94989100	102.22400
## 450	66.32911	4017.2652	0.1233168	10.476	10.92040200	94.32560
## 452	67.31771	5013.6917	0.1233377	10.500	10.89091300	94.29910
## 454	68.17568	6707.4661	0.1506310	10.592	10.90259900	108.46700
## 456	69.19332	6536.5790	-0.0927467	10.684	10.91428500	102.44900
## 458	70.02053	7876.1006	0.1020842	NA	NA	NA
## 460	71.04922	8381.5455	0.0260563	NA	NA	NA
## 462	71.19901	NA	NA	NA	NA	98.46660
## 464	50.00000	NA	NA	NA	NA	NA
## 466	47.61905	NA	NA	NA	NA	NA
## 468	50.00000	NA	NA	NA	NA	NA
## 470	48.00000	NA	NA	NA	NA	NA
## 472	51.85185	NA	NA	NA	NA	NA
## 474	53.57143	NA	NA	NA	NA	NA
## 476	51.72414	NA	NA	NA	NA	NA
## 478	55.17241	NA	NA	NA	NA	NA
## 480	56.66667	NA	NA	NA	NA	NA
## 482	56.66667	NA	NA	NA	NA	NA
## 484	56.66667	6403.0354	0.0799952	NA	NA	NA
## 486	61.29032	7517.1129	0.0803385	NA	NA	NA
## 488	61.29032	8837.6823	0.0826759	NA	NA	NA
## 490	61.29032	10590.2204	0.0916605	NA	NA	NA
## 492	67.74194	12698.5750	0.0898695	NA	NA	NA
## 494	67.74194	14955.3929	0.0794725	NA	NA	NA
## 496	65.62500	17309.7387	0.0742435	NA	NA	NA
## 498	71.87500	20293.3179	0.0775843	NA	NA	NA



## 500	68.75000	26609.8850	0.1738625	NA	NA	NA
## 502	67.74194	35943.0587	0.1503515	NA	NA	NA
## 504	69.69697	33566.8519	-0.1260252	NA	NA	NA
## 506	70.27027	44634.8789	0.0449543	NA	NA	NA
## 508	65.85366	43291.0694	-0.1127739	NA	NA	NA
## 510	68.18182	47322.9573	0.0368052	NA	NA	NA
## 512	69.56522	42385.4255	-0.0988102	NA	NA	112.19900
## 514	70.83333	42383.1820	-0.0384083	NA	NA	109.40300
## 516	68.62745	40486.6717	-0.0096884	NA	NA	109.21400
## 518	73.07692	42660.1640	0.0026073	NA	NA	111.37700
## 520	67.92453	44725.1355	0.0464659	NA	NA	115.22400
## 522	71.69811	43563.7958	-0.0337601	NA	NA	113.77600
## 524	71.69811	37392.6122	-0.0437899	NA	NA	105.21900
## 526	70.37037	37572.0872	0.0269108	NA	NA	116.10800
## 528	70.90909	NA	NA	NA	NA	NA
## 530	64.10749	12065.8193	-0.0981340	8.086	8.28234660	NA
## 532	62.99610	12564.8430	0.0846767	8.178	8.39770360	NA
## 534	61.84615	13256.0305	0.0124521	8.270	8.51306060	NA
## 536	61.02478	12928.2002	-0.0226755	8.374	8.65364320	NA
## 538	60.43339	14203.5379	0.0487003	8.478	8.79422580	NA
## 540	60.27714	14094.0534	0.0024405	8.610	8.95565160	NA
## 542	60.46296	15597.3735	0.0626202	8.770	9.13792070	NA
## 544	60.82949	15926.1120	-0.0035820	8.930	9.32018980	NA
## 546	61.28110	17031.4410	0.0213795	9.238	9.60867030	NA
## 548	61.67092	19002.2845	0.0509501	9.546	9.89715080	NA
## 550	62.09480	19372.0642	0.0108824	9.864	10.21321100	110.80600
## 552	62.46665	20760.8005	0.0374975	10.192	10.55685100	109.52700
## 554	62.93676	19703.4333	-0.0086470	10.520	10.90049200	107.55800
## 556	63.34179	20204.1074	-0.0045290	10.792	11.21032500	110.43200
## 558	63.98515	21502.3205	0.0226603	11.064	11.52015800	111.05000
## 560	64.54899	22753.3838	0.0357370	11.200	11.68238700	108.87800
## 562	64.85465	22836.2004	0.0423479	11.200	11.69701300	106.47100
## 564	65.16570	23735.9895	0.0168600	11.200	11.71164000	104.27100
## 566	65.43875	25314.2312	0.0602617	11.192	11.71604500	105.30500
## 568	65.84153	27438.2008	0.0254984	11.184	11.72045100	106.13700
## 570	65.97238	26495.9820	-0.0102129	11.184	11.74767900	105.53200
## 572	65.79479	28082.4120	0.0306740	11.192	11.79773000	105.32500
## 574	65.71868	30488.5765	0.0399466	11.200	11.84778200	100.79300
## 576	65.83818	32708.9585	0.0355711	11.148	11.79230900	100.73000
## 578	66.06540	35139.0556	0.0391893	11.096	11.73683600	100.25600
## 580	66.33592	36297.1453	0.0264549	11.132	11.77685300	100.25200
## 582	66.59252	38301.8708	0.0333099	11.256	11.91235900	101.27500
## 584	66.77168	39913.8888	0.0197248	11.380	12.04786600	102.38900
## 586	67.03182	42021.7877	0.0238237	11.444	12.01954100	104.98500
## 588	67.02499	41616.3400	-0.0144377	11.508	11.99121600	105.31900
## 590	66.76134	43715.8873	0.0129137	NA	NA	105.99200
## 592	66.39739	43238.3093	0.0020332	NA	NA	106.56800
## 594	65.86342	NA	NA	NA	NA	102.20800
## 596	67.64547	5538.2276	0.0364227	5.932	5.32079000	NA
## 598	67.26832	6077.2220	0.0456629	5.856	5.15185740	NA
## 600	66.84593	7126.0982	0.0948553	5.780	4.98292470	NA
## 602	66.47027	8076.9108	0.0487051	5.812	4.93025070	NA
## 604	66.03673	8721.5981	0.0342989	5.844	4.87757670	NA
## 606	65.25178	9838.5919	0.0511713	6.026	4.94384500	NA

## 608	64.33038	10461.3159	0.0380554	6.358	5.12905550	NA
## 610	63.21750	11218.3614	0.0272856	6.690	5.31426600	NA
## 612	62.19450	11989.4042	0.0239429	6.974	5.48416730	NA
## 614	61.26103	13047.6249	0.0445881	7.258	5.65406860	NA
## 616	60.77058	14423.6288	0.0449972	7.460	5.85641330	103.42900
## 618	60.67164	16131.0152	0.0531664	7.580	6.09120130	101.28200
## 620	60.95262	16516.8072	0.0046215	7.700	6.32598940	99.78780
## 622	61.39130	17735.6746	0.0414267	7.776	6.53442230	99.57620
## 624	62.09476	18496.2151	0.0405436	7.852	6.74285520	96.87880
## 626	63.24744	18442.4453	-0.0093746	7.934	6.97735440	96.52630
## 628	64.65280	19015.1302	0.0222654	8.022	7.23792000	97.23730
## 630	65.68849	19344.7238	0.0185928	8.110	7.49848560	96.77940
## 632	65.83166	21131.5843	0.0406380	8.210	7.73867820	101.11600
## 634	65.66009	23727.0940	0.0591326	8.310	7.97887090	105.74200
## 636	65.38747	26637.2627	0.0538521	8.450	8.24649280	104.29000
## 638	64.79080	28029.3373	0.0167284	8.630	8.54154390	103.46600
## 640	64.60606	30863.9096	0.0497923	8.810	8.83659510	102.51300
## 642	64.82108	32817.7954	0.0425167	8.874	9.06429760	102.96600
## 644	65.31303	35681.7606	0.0309515	8.938	9.29200020	103.92600
## 646	65.71222	36266.5233	-0.0193605	9.034	9.48488050	103.09300
## 648	65.84784	36836.3722	-0.0013628	9.162	9.64293850	100.60500
## 650	65.91070	37829.3219	-0.0009632	9.290	9.80099650	100.98200
## 652	65.86166	41337.9427	0.0407457	9.414	9.90654770	101.75600
## 654	65.83547	41822.7990	-0.0137424	9.538	10.01209900	100.23100
## 656	65.73151	44330.3789	0.0427408	NA	NA	99.86930
## 658	65.61995	47442.6796	0.0220013	NA	NA	101.56100
## 660	65.50138	NA	NA	NA	NA	102.97000
## 662	61.63161	NA	NA	NA	NA	NA
## 664	62.77946	NA	NA	NA	NA	NA
## 666	62.61416	NA	NA	NA	NA	NA
## 668	60.74313	NA	NA	NA	NA	NA
## 670	58.04160	NA	NA	NA	NA	NA
## 672	55.50787	NA	NA	NA	NA	NA
## 674	53.47067	NA	NA	NA	NA	NA
## 676	52.04901	NA	NA	NA	NA	NA
## 678	51.16372	NA	NA	NA	NA	NA
## 680	51.05485	NA	NA	NA	NA	NA
## 682	51.78637	NA	NA	NA	NA	NA
## 684	53.08949	NA	NA	NA	NA	NA
## 686	54.70144	NA	NA	NA	NA	NA
## 688	56.75855	NA	NA	NA	NA	NA
## 690	58.95786	NA	NA	NA	NA	NA
## 692	60.65421	NA	NA	NA	NA	115.44500
## 694	61.77979	NA	NA	NA	NA	NA
## 696	62.36842	NA	NA	NA	NA	NA
## 698	62.33324	NA	NA	NA	NA	NA
## 700	62.13458	NA	NA	NA	NA	110.40300
## 702	61.84492	8576.1860	0.1863155	NA	NA	109.05800
## 704	61.68394	4813.5607	-0.1992331	NA	NA	107.70900
## 706	61.88556	2301.3095	-0.4024615	NA	NA	111.74400
## 708	62.39506	2192.4841	-0.0168309	NA	NA	94.52190
## 710	63.46855	2224.9172	0.0691013	NA	NA	95.48010
## 712	64.91521	2912.8962	0.0977669	NA	NA	98.86100
## 714	66.47901	3049.4728	0.0500865	NA	NA	96.21320

## 716	68.30840	4636.4576	0.3518515	NA	NA	95.52700
## 718	70.07217	9192.5742	0.3129330	NA	NA	94.77120
## 720	71.61447	11370.9421	-0.0507030	NA	NA	95.06860
## 722	72.59626	16853.1666	0.1794691	NA	NA	95.57360
## 724	73.03183	16204.9884	-0.0215454	NA	NA	100.50000
## 726	73.21356	NA	NA	NA	NA	106.60100
## 728	58.13953	NA	NA	NA	NA	NA
## 730	60.00000	NA	NA	NA	NA	NA
## 732	57.44681	NA	NA	NA	NA	NA
## 734	54.90196	NA	NA	NA	NA	NA
## 736	58.18182	NA	NA	NA	NA	NA
## 738	55.00000	NA	NA	NA	NA	NA
## 740	53.03030	NA	NA	NA	NA	NA
## 742	52.77778	NA	NA	NA	NA	NA
## 744	54.54545	NA	NA	NA	NA	NA
## 746	55.42169	NA	NA	NA	NA	NA
## 748	54.54545	13004.2546	-0.0195427	NA	NA	101.79600
## 750	55.43478	13012.1227	0.0385666	NA	NA	96.37180
## 752	57.29167	9591.2928	-0.0682592	NA	NA	102.48700
## 754	58.00000	11762.8969	0.1482153	NA	NA	105.19200
## 756	58.65385	18707.1252	0.3278227	NA	NA	104.19400
## 758	59.25926	16363.6239	-0.1105766	NA	NA	101.89200
## 760	61.06195	14830.2748	-0.0329876	NA	NA	100.89900
## 762	61.86441	18698.6144	0.0954533	NA	NA	105.37500
## 764	61.78862	19176.9863	0.0044928	NA	NA	NA
## 766	62.99213	20964.6377	0.0755672	NA	NA	NA
## 768	63.63636	19078.6328	-0.0815105	NA	NA	95.10760
## 770	63.50365	18090.3697	-0.0177908	NA	NA	95.39310
## 772	64.78873	19107.7793	0.0233908	NA	NA	95.97300
## 774	65.75342	22957.6872	0.0470066	NA	NA	98.97810
## 776	64.66667	27278.9950	0.0771675	NA	NA	96.88800
## 778	65.38462	27071.0201	-0.0326033	NA	NA	NA
## 780	66.66667	27728.7437	-0.0476465	NA	NA	NA
## 782	68.04734	27854.1983	0.0446615	NA	NA	109.16300
## 784	68.57143	28242.0497	0.0249186	NA	NA	111.21700
## 786	69.61326	24537.6839	-0.0868349	NA	NA	107.35300
## 788	70.58824	23737.6288	-0.0298376	NA	NA	NA
## 790	70.98446	23839.2041	0.0095167	NA	NA	NA
## 792	70.20202	NA	NA	NA	NA	NA
## 794	50.90909	NA	NA	1.014	0.57871429	NA
## 796	51.72414	NA	NA	1.042	0.61614286	NA
## 798	51.61290	NA	NA	1.070	0.65357144	NA
## 800	54.41176	NA	NA	1.158	0.76026786	NA
## 802	52.05479	NA	NA	1.246	0.86696429	NA
## 804	51.28205	NA	NA	1.382	0.97791668	NA
## 806	48.14815	NA	NA	1.566	1.09312500	NA
## 808	45.88235	NA	NA	1.750	1.20833340	NA
## 810	48.31461	NA	NA	2.282	1.76602330	NA
## 812	49.47368	NA	NA	2.814	2.32371330	NA
## 814	48.51485	14753.4263	-0.0200634	3.268	2.86490380	106.48900
## 816	51.85185	17374.7023	0.1070261	3.644	3.38959480	111.97100
## 818	53.38983	14524.2049	-0.1987400	4.020	3.91428580	115.41500
## 820	54.61538	19270.5674	-0.0415602	4.384	4.37076330	110.34000
## 822	55.24476	20411.7597	0.1161394	4.748	4.82724070	109.20400

## 824	57.69231	20666.6571	-0.0942087	5.074	5.25484010	106.97900
## 826	57.73810	18185.1490	0.0222721	5.362	5.65356130	105.28600
## 828	58.33333	14848.9445	-0.3053980	5.650	6.05228250	111.10100
## 830	59.37500	12836.6473	-0.0463161	6.006	6.52577660	111.89000
## 832	59.31373	14352.5587	0.0082588	6.362	6.99927080	112.73700
## 834	60.00000	15582.6900	0.0087633	6.652	7.37272730	111.44800
## 836	61.06195	16821.5631	0.0396128	6.876	7.64614630	107.68700
## 838	61.92469	16845.3939	0.0230465	7.100	7.91956520	107.69800
## 840	63.28125	17344.2877	0.0608950	7.252	8.10388370	107.73100
## 842	61.95652	18853.8651	0.1375484	7.404	8.28820220	107.89300
## 844	63.05085	25232.9765	0.0382872	7.422	8.31276700	100.67600
## 846	63.49206	28391.2099	0.1491117	7.306	8.17757810	99.80990
## 848	64.45087	38159.0084	0.2013950	7.190	8.04238920	95.74600
## 850	67.75819	41697.6038	0.0483599	7.138	7.96931350	NA
## 852	70.57522	36719.0222	-0.1789160	7.086	7.89623780	NA
## 854	71.07943	41516.9895	0.0474920	NA	NA	94.86900
## 856	70.39216	41310.2712	-0.0054064	NA	NA	97.63310
## 858	69.27481	NA	NA	NA	NA	101.17100
## 860	54.19163	NA	NA	0.932	0.27468104	NA
## 862	54.67473	NA	NA	0.936	0.28024024	NA
## 864	55.10960	NA	NA	0.940	0.28579944	NA
## 866	54.92014	NA	NA	0.972	0.31004960	NA
## 868	54.74285	1394.1311	NA	1.004	0.33429976	NA
## 870	54.33777	1445.2662	-0.0201745	1.066	0.37829790	NA
## 872	53.91714	1565.4042	0.0396085	1.158	0.44204402	NA
## 874	53.52705	1486.8103	-0.0287585	1.250	0.50579014	NA
## 876	52.71868	1414.3568	-0.0463738	1.302	0.55596544	NA
## 878	52.11888	1455.4114	0.0214863	1.354	0.60614074	NA
## 880	51.88135	1463.6845	-0.0425320	1.418	0.66391952	51.15160
## 882	51.85262	1122.4450	-0.1935163	1.494	0.72930179	74.95340
## 884	51.90305	1037.9016	-0.0633564	1.570	0.79468406	77.83440
## 886	51.82852	1185.7501	0.0188208	1.842	1.04924630	73.71330
## 888	51.98247	1215.2539	0.0290976	2.114	1.30380850	71.62560
## 890	52.20035	1175.9348	-0.0078907	2.364	1.56395550	69.37980
## 892	52.62938	1134.1242	-0.0064387	2.592	1.82968720	71.77110
## 894	53.15890	1225.1050	0.0156016	2.820	2.09541880	68.03690
## 896	53.56026	1201.5957	-0.0090661	2.944	2.29509400	66.22390
## 898	54.07753	1333.6282	0.0929298	3.068	2.49476910	77.74890
## 900	54.77523	1384.4148	0.0208883	3.240	2.74398470	NA
## 902	55.63845	1401.0184	0.0099483	3.460	3.04274060	NA
## 904	56.63728	1460.9244	0.0161633	3.680	3.34149650	NA
## 906	57.57461	1434.2713	-0.0206909	4.000	3.84454960	NA
## 908	58.57370	1374.3290	-0.0279226	4.320	4.34760270	NA
## 910	59.50880	1369.3761	0.0056219	4.632	4.81470310	NA
## 912	60.42056	1419.4154	0.0130415	4.936	5.24585090	NA
## 914	61.36134	1469.3054	0.0198002	5.240	5.67699870	98.66100
## 916	62.18033	1761.8531	0.0982809	5.508	6.12109130	98.60390
## 918	63.06794	2082.8917	0.0910559	5.776	6.56518390	99.76930
## 920	64.01249	2577.7842	0.1071768	NA	NA	111.87700
## 922	64.94164	2808.5888	0.0454998	NA	NA	120.73700
## 924	65.93911	NA	NA	NA	NA	120.43300
## 926	60.34483	NA	NA	4.662	4.80324660	NA
## 928	60.83333	NA	NA	4.726	4.89044140	NA
## 930	56.91057	NA	NA	4.790	4.97763630	NA

## 932	56.34921	NA	NA	4.862	5.03408170	NA
## 934	56.69291	NA	NA	4.934	5.09052720	NA
## 936	57.03125	8980.6579	0.0356169	5.298	5.48292450	NA
## 938	53.90625	9841.6907	0.0517654	5.954	6.21127360	NA
## 940	54.33071	9540.5228	0.0030003	6.610	6.93962270	NA
## 942	54.33071	11174.6665	0.1132269	7.290	7.72241510	NA
## 944	54.33071	12803.5449	0.1196718	7.970	8.50520750	NA
## 946	55.11811	14717.5194	0.0392723	8.178	8.77416430	102.38600
## 948	57.48031	15187.8538	0.0398283	7.914	8.52928550	101.34200
## 950	58.59375	15618.5808	0.0890474	7.650	8.28440670	104.62200
## 952	60.76923	12335.5975	0.0109425	7.514	8.27515200	114.57200
## 954	59.09091	12650.8799	0.0479794	7.378	8.26589730	115.14300
## 956	60.90226	12642.3392	-0.0289536	7.444	8.39356150	98.14410
## 958	61.65414	12167.5758	0.0069351	7.712	8.65814450	99.78950
## 960	62.68657	12665.4332	0.0008030	7.980	8.92272750	108.69600
## 962	63.43284	15066.8492	0.0811815	8.168	9.04834250	NA
## 964	64.44444	17164.4520	0.0908098	8.356	9.17395750	119.46900
## 966	65.18519	17156.7299	0.0113688	8.536	9.27535720	NA
## 968	66.17647	17893.5569	0.0432463	8.708	9.35254160	NA
## 970	67.15328	19365.4759	0.0274439	8.880	9.42972610	NA
## 972	64.74820	22604.6997	0.0369759	8.852	9.45799350	NA
## 974	65.00000	22538.0726	0.0172386	8.824	9.48626100	102.22700
## 976	67.37589	20941.7252	-0.0803747	8.916	9.56186840	99.27870
## 978	66.90141	19972.9648	-0.0122499	9.128	9.68481580	96.65310
## 980	68.30986	20950.9922	0.0212488	9.340	9.80776320	96.13710
## 982	66.66667	21232.8364	0.0047646	9.384	9.93682000	99.67780
## 984	67.58621	18975.7829	-0.0455046	9.428	10.06587700	100.54400
## 986	67.12329	15703.5508	-0.0961819	NA	NA	98.41720
## 988	66.66667	14520.0563	-0.0158119	NA	NA	NA
## 990	66.21622	NA	NA	NA	NA	NA
## 992	66.37991	NA	NA	NA	NA	NA
## 994	67.27273	NA	NA	NA	NA	NA
## 996	67.27652	NA	NA	NA	NA	NA
## 998	66.37714	NA	NA	NA	NA	NA
## 1000	65.00337	NA	NA	NA	NA	NA
## 1002	63.86740	NA	NA	NA	NA	NA
## 1004	63.18765	NA	NA	NA	NA	NA
## 1006	62.70317	NA	NA	NA	NA	NA
## 1008	62.54202	NA	NA	NA	NA	NA
## 1010	62.59290	NA	NA	NA	NA	NA
## 1012	63.14826	NA	NA	NA	NA	98.93350
## 1014	63.84090	NA	NA	NA	NA	96.03930
## 1016	64.35526	NA	NA	NA	NA	94.64020
## 1018	64.67349	NA	NA	NA	NA	96.53420
## 1020	65.12850	NA	NA	NA	NA	99.95250
## 1022	65.53118	NA	NA	NA	NA	103.61700
## 1024	65.83698	NA	NA	NA	NA	105.62200
## 1026	65.96583	NA	NA	NA	NA	107.32200
## 1028	65.53326	NA	NA	NA	NA	94.30370
## 1030	65.09869	NA	NA	NA	NA	93.41650
## 1032	64.60633	13188.2543	-0.0102425	NA	NA	95.11700
## 1034	64.17773	8779.2091	-0.2365408	NA	NA	96.49530
## 1036	64.17053	7511.6393	-0.0381784	NA	NA	97.87710
## 1038	64.82450	7769.2669	0.0002375	NA	NA	100.12600

## 1040	65.57377	7847.9696	-0.0043869	NA	NA	111.29600
## 1042	66.30476	8352.3903	0.0392208	NA	NA	113.92300
## 1044	66.72447	8855.7825	0.0330057	NA	NA	100.94600
## 1046	67.23098	10416.1953	0.0930510	NA	NA	97.30200
## 1048	67.96002	12752.2445	0.0909367	NA	NA	100.94700
## 1050	68.64057	14110.8363	-0.0301371	NA	NA	105.07700
## 1052	68.68229	17938.0900	0.1648684	NA	NA	101.21200
## 1054	68.20775	19320.7106	0.0008993	NA	NA	97.80240
## 1056	67.61118	NA	NA	NA	NA	101.34200
## 1058	67.37846	8605.7394	0.0621443	6.808	6.93141590	NA
## 1060	66.95828	8695.9341	-0.0042744	6.924	7.06750440	NA
## 1062	65.95792	9530.8978	0.0539484	7.040	7.20359290	NA
## 1064	65.07763	9907.9432	0.0003948	7.112	7.27442280	NA
## 1066	63.95424	9870.0010	0.0085411	7.184	7.34525270	NA
## 1068	63.17359	10907.3512	0.0393276	7.242	7.42686190	NA
## 1070	62.76529	11714.2600	0.0253277	7.286	7.51925050	NA
## 1072	62.48963	12884.6032	0.0321970	7.330	7.61163910	NA
## 1074	62.19988	13641.3671	0.0319777	7.462	7.81323800	NA
## 1076	61.98902	15123.8842	0.0664225	7.594	8.01483690	NA
## 1078	61.92688	16506.7053	0.0296059	7.734	8.23037750	107.66300
## 1080	62.12304	18885.9138	0.0728397	7.882	8.45985990	101.41500
## 1082	62.43492	19080.1654	-0.0223837	8.030	8.68934230	104.67600
## 1084	62.86398	20689.2753	0.0189276	8.218	8.95471440	106.40100
## 1086	63.44855	22193.4337	0.0338182	8.406	9.22008650	105.79800
## 1088	64.31543	21547.0697	-0.0678320	8.594	9.48927980	104.88500
## 1090	65.28190	20180.0064	-0.0315790	8.782	9.76229440	100.61100
## 1092	65.84354	20010.2992	-0.0100565	8.970	10.03530900	98.71850
## 1094	65.71372	21943.7611	0.0401783	9.154	10.28192700	99.83030
## 1096	65.24474	25042.2536	0.0567551	9.338	10.52854400	101.09300
## 1098	64.79672	26510.7098	0.0182676	9.544	10.77378800	99.67650
## 1100	64.41040	27407.9077	0.0033426	9.772	11.01765800	101.69100
## 1102	64.13023	29333.3028	0.0325394	10.000	11.26152900	101.01700
## 1104	63.82122	31132.1220	0.0554333	10.116	11.37651800	NA
## 1106	63.70413	33388.0577	0.0395479	10.232	11.49150700	103.67000
## 1108	63.71228	35581.2031	0.0036411	10.350	11.54591300	104.24100
## 1110	63.79343	35336.5382	-0.0277157	10.470	11.53973600	102.72100
## 1112	64.05786	35862.6126	0.0023241	10.590	11.53355900	101.22500
## 1114	64.25041	38446.3310	0.0441608	10.630	11.59378300	102.79300
## 1116	64.46371	38890.4382	-0.0085440	10.670	11.65400700	103.52300
## 1118	64.34938	41795.0532	0.0260601	NA	NA	103.18900
## 1120	63.94857	43441.1324	0.0092621	NA	NA	105.12000
## 1122	63.41463	NA	NA	NA	NA	104.19300
## 1124	55.55556	NA	NA	7.264	7.47332690	NA
## 1126	55.26316	NA	NA	7.332	7.53527460	NA
## 1128	51.21951	NA	NA	7.400	7.59722230	NA
## 1130	51.16279	NA	NA	7.436	7.74873340	NA
## 1132	53.33333	NA	NA	7.472	7.90024460	NA
## 1134	50.00000	NA	NA	7.554	7.98770930	NA
## 1136	49.01961	NA	NA	7.682	8.01112760	NA
## 1138	50.00000	NA	NA	7.810	8.03454590	NA
## 1140	49.12281	NA	NA	7.782	8.02349680	NA
## 1142	46.66667	NA	NA	7.754	8.01244770	NA
## 1144	49.20635	4150.1387	0.0601473	7.782	8.06457560	113.39900
## 1146	49.23077	3973.9432	-0.0714283	7.866	8.17988040	111.06000

## 1148	49.25373	4464.1894	-0.0540628	7.950	8.29518530	NA
## 1150	48.52941	4091.6531	0.0815010	7.846	8.21200770	108.46600
## 1152	45.71429	4376.3841	0.0558262	7.742	8.12883020	NA
## 1154	47.94521	3949.7869	-0.2320004	7.734	8.13202850	106.81000
## 1156	49.35065	3887.0276	-0.0225058	7.822	8.22160260	108.52700
## 1158	50.00000	4263.7962	0.1009560	7.910	8.31117670	113.81000
## 1160	53.48837	4997.2680	0.0806379	8.250	8.69710610	113.93500
## 1162	51.64835	5511.3342	0.0629358	8.590	9.08303540	111.56300
## 1164	51.57895	5680.7515	-0.0798683	8.888	9.38728990	114.74100
## 1166	53.06122	6489.4478	0.0859499	9.144	9.60986940	115.06500
## 1168	51.45631	7470.4752	0.0658121	9.400	9.83244900	119.68500
## 1170	54.54545	6433.4158	-0.0379076	9.672	10.01613600	122.29100
## 1172	54.62185	6418.4591	0.0002069	9.944	10.19982300	119.04500
## 1174	55.11811	7041.3706	0.0352163	10.216	10.39785500	112.40400
## 1176	55.22388	7499.1078	0.0287867	10.488	10.61023200	111.17200
## 1178	58.86525	7524.6883	-0.0051270	10.760	10.82260900	113.32200
## 1180	57.71812	7780.5060	0.0096827	10.972	10.99948900	113.15900
## 1182	60.50955	7357.4360	-0.0227270	11.184	11.17637000	113.01500
## 1184	61.21212	7733.1496	0.0120230	NA	NA	111.41100
## 1186	62.79070	7910.7299	-0.0008516	NA	NA	112.03100
## 1188	63.88889	NA	NA	NA	NA	113.13900
## 1190	56.60848	NA	NA	0.458	0.36341774	NA
## 1192	56.84647	NA	NA	0.494	0.37001283	NA
## 1194	57.40132	NA	NA	0.530	0.37660792	NA
## 1196	57.08502	NA	NA	0.562	0.38702875	NA
## 1198	57.30159	1495.4025	NA	0.594	0.39744957	NA
## 1200	57.08753	1561.2047	-0.0102639	0.640	0.41046662	NA
## 1202	56.50865	1502.5515	0.0253053	0.700	0.42607987	NA
## 1204	56.04956	1638.4412	0.0507545	0.760	0.44169312	NA
## 1206	55.20394	1656.8249	0.0086918	0.792	0.46401743	NA
## 1208	54.63151	1786.9446	0.0114102	0.824	0.48634173	NA
## 1210	54.01554	1913.0754	0.0059533	0.860	0.51133376	34.51070
## 1212	53.27970	1985.7061	0.0450664	0.900	0.53899350	41.13820
## 1214	52.94811	1664.9811	-0.1712713	0.940	0.56665324	45.82860
## 1216	52.35426	1589.4446	-0.0646653	1.052	0.64205539	49.59130
## 1218	52.09995	1668.7468	0.0358067	1.164	0.71745755	56.38730
## 1220	51.76234	1968.3089	0.0672898	1.318	0.83587868	59.83240
## 1222	51.52381	1470.4879	-0.0071883	1.514	0.99731879	65.61970
## 1224	51.48381	1685.9998	0.0571003	1.710	1.15875890	63.77050
## 1226	51.27334	1324.4553	-0.1034074	1.890	1.32838870	62.29440
## 1228	51.33839	1207.9184	-0.0941367	2.070	1.49801860	60.75800
## 1230	51.38473	1216.7862	0.0119519	2.250	1.65927120	57.78130
## 1232	51.58924	1222.7761	0.0112653	2.430	1.81214650	65.88190
## 1234	51.86396	1136.0794	0.0748630	2.610	1.96502180	69.43810
## 1236	51.78681	1254.5642	0.0470085	2.810	2.12855730	75.38080
## 1238	51.89063	1352.9281	0.0542526	3.010	2.29209270	78.40350
## 1240	52.09532	1502.6132	0.0321012	3.232	2.48867860	89.10190
## 1242	52.43118	1666.2362	0.0381503	3.476	2.71831490	97.84090
## 1244	52.75762	1751.6147	0.0044532	3.720	2.94795120	98.54520
## 1246	53.03099	1750.6640	0.0073934	4.004	3.29492050	NA
## 1248	53.51840	1774.6689	-0.0059133	4.288	3.64188970	114.87300
## 1250	53.94013	1712.1337	-0.0093122	NA	NA	118.60800
## 1252	54.42256	1829.1632	0.0376134	NA	NA	124.34800
## 1254	55.04217	NA	NA	NA	NA	128.98300

## 1256	55.05618	NA	NA	NA	NA	NA
## 1258	54.83871	NA	NA	NA	NA	NA
## 1260	57.14286	NA	NA	NA	NA	NA
## 1262	55.33981	NA	NA	NA	NA	NA
## 1264	56.48148	NA	NA	NA	NA	NA
## 1266	54.86726	NA	NA	NA	NA	NA
## 1268	55.93220	NA	NA	NA	NA	NA
## 1270	56.45161	NA	NA	NA	NA	NA
## 1272	54.96183	NA	NA	NA	NA	NA
## 1274	53.95683	NA	NA	NA	NA	NA
## 1276	55.40541	1517.4455	-0.0085416	NA	NA	20.12610
## 1278	55.06329	1449.6273	-0.0210800	NA	NA	NA
## 1280	53.84615	1361.9807	-0.0724072	NA	NA	NA
## 1282	52.77778	1492.4191	0.0378933	NA	NA	32.76920
## 1284	53.64583	1585.8813	0.0237446	NA	NA	36.53910
## 1286	53.20197	1741.9403	0.0982199	NA	NA	51.67010
## 1288	52.33645	1966.5747	0.0981302	NA	NA	57.40690
## 1290	52.65487	1987.5946	0.0117402	NA	NA	58.64310
## 1292	52.28216	2291.9784	0.1001163	NA	NA	54.22720
## 1294	52.15686	2371.8889	0.0651846	NA	NA	NA
## 1296	51.93798	2508.1109	-0.0021439	NA	NA	51.12840
## 1298	51.79283	2776.9570	0.0779533	NA	NA	56.20530
## 1300	52.22672	3210.7159	0.1071739	NA	NA	63.23980
## 1302	53.14961	3607.3611	0.0568457	NA	NA	70.73190
## 1304	54.68165	3880.7273	0.0589294	NA	NA	74.98470
## 1306	55.71429	4382.4428	0.0342236	NA	NA	81.75820
## 1308	58.21918	4936.0695	0.0268202	NA	NA	88.10610
## 1310	60.19737	5267.7214	0.0370922	NA	NA	94.57420
## 1312	62.34177	6251.5457	0.1201134	NA	NA	100.51000
## 1314	62.80488	6254.5949	0.0416660	NA	NA	106.81800
## 1316	64.60177	6660.8068	0.0104456	NA	NA	111.08300
## 1318	65.04298	6516.0371	-0.0232906	NA	NA	104.84300
## 1320	66.57382	NA	NA	NA	NA	NA
## 1322	54.80830	1851.2322	0.1083694	2.390	2.20040880	NA
## 1324	53.83212	1513.9078	-0.1703787	2.530	2.30603770	NA
## 1326	53.70153	1631.3818	0.0655966	2.670	2.41166670	NA
## 1328	53.23129	1407.7086	-0.0491648	2.826	2.50256480	NA
## 1330	53.27869	1376.2717	-0.0127115	2.982	2.59346290	NA
## 1332	53.23855	1472.9968	0.0304780	3.162	2.73279120	NA
## 1334	52.94118	1546.0707	0.0395484	3.366	2.92054980	NA
## 1336	52.95266	1768.5147	0.0784345	3.570	3.10830830	NA
## 1338	53.07367	1877.6805	0.0276465	3.742	3.27215480	NA
## 1340	53.31529	1673.8762	0.0168519	3.914	3.43600120	NA
## 1342	53.57298	1769.7621	0.0351448	4.120	3.64249220	84.88600
## 1344	53.74065	1834.2429	0.0373840	4.360	3.89162790	88.86320
## 1346	53.88601	1984.9423	-0.0485678	4.600	4.14076370	95.70640
## 1348	53.74046	2133.5013	0.0318689	4.952	4.58224690	94.99740
## 1350	53.72807	2105.7496	0.0335913	5.304	5.02373020	97.43380
## 1352	53.69527	2163.7034	0.0212293	5.660	5.46626590	98.06820
## 1354	53.71179	2076.4673	-0.0339441	6.020	5.90985390	99.77840
## 1356	53.78910	2260.5581	0.0370417	6.380	6.35344200	NA
## 1358	53.90577	2185.5668	0.0119176	6.732	6.76920080	108.46300
## 1360	54.13063	2103.4896	0.0493560	7.084	7.18495970	97.81330
## 1362	54.45942	2270.1461	0.0295329	7.374	7.50367320	101.91600



## 1364	54.83871	2432.0598	0.0460935	7.602	7.72534130	103.97100
## 1366	55.34058	2848.5718	0.0829024	7.830	7.94700940	110.17200
## 1368	55.83588	3077.7395	0.0023689	8.014	8.22404680	86.99240
## 1370	56.37255	3091.9690	-0.0022087	8.198	8.50108410	117.91600
## 1372	56.91690	3155.9981	0.0147057	8.330	8.68018950	117.20500
## 1374	57.50057	3386.7872	0.0482254	8.410	8.76136300	116.17600
## 1376	58.08791	3764.4913	0.0401506	8.490	8.84253660	114.94300
## 1378	58.63241	4262.9914	0.0358076	8.394	8.80115960	112.64700
## 1380	59.18242	4632.5453	0.0031986	8.298	8.75978260	108.03900
## 1382	59.76531	5575.8743	0.0872984	NA	NA	101.45600
## 1384	60.55877	6063.6576	0.0343113	NA	NA	98.64200
## 1386	61.22525	NA	NA	NA	NA	97.13800
## 1388	59.25661	NA	NA	NA	NA	NA
## 1390	60.27586	NA	NA	NA	NA	NA
## 1392	60.74518	NA	NA	NA	NA	NA
## 1394	60.51447	NA	NA	NA	NA	NA
## 1396	60.03729	NA	NA	NA	NA	NA
## 1398	59.89209	NA	NA	NA	NA	NA
## 1400	60.00000	NA	NA	NA	NA	NA
## 1402	60.40268	NA	NA	NA	NA	NA
## 1404	60.63250	NA	NA	NA	NA	NA
## 1406	61.36606	NA	NA	NA	NA	NA
## 1408	62.00418	NA	NA	NA	NA	NA
## 1410	62.28338	NA	NA	NA	NA	NA
## 1412	62.97405	NA	NA	NA	NA	NA
## 1414	63.93523	NA	NA	NA	NA	NA
## 1416	65.18590	NA	NA	NA	NA	NA
## 1418	66.52442	NA	NA	NA	NA	NA
## 1420	67.33271	NA	NA	NA	NA	NA
## 1422	67.95455	NA	NA	NA	NA	NA
## 1424	68.20399	NA	NA	NA	NA	NA
## 1426	68.44873	NA	NA	NA	NA	NA
## 1428	68.51351	1286.1760	-0.0798140	NA	NA	NA
## 1430	68.37030	1263.2120	0.0094252	NA	NA	NA
## 1432	68.39671	1873.2665	0.2590690	NA	NA	NA
## 1434	68.37111	4660.0371	0.3151894	NA	NA	NA
## 1436	68.54584	5528.6821	0.1309643	NA	NA	NA
## 1438	68.62539	5651.2202	0.0184813	NA	NA	NA
## 1440	69.08616	6094.4021	0.0158644	NA	NA	NA
## 1442	69.43867	6619.0139	0.0515985	NA	NA	NA
## 1444	69.91701	8102.6041	0.0879927	NA	NA	NA
## 1446	70.10898	8709.4480	0.0113878	NA	NA	NA
## 1448	70.06237	9044.0169	0.0304127	NA	NA	NA
## 1450	69.84375	9773.7659	0.0412121	NA	NA	NA
## 1452	69.33124	NA	NA	NA	NA	NA
## 1454	54.79452	NA	NA	1.388	1.52046720	NA
## 1456	53.91304	NA	NA	1.404	1.53100950	NA
## 1458	53.30579	NA	NA	1.420	1.54155170	NA
## 1460	52.36220	NA	NA	1.436	1.55504130	NA
## 1462	52.05993	NA	NA	1.452	1.56853090	NA
## 1464	50.71429	449.7225	0.0510187	1.510	1.63655380	NA
## 1466	49.83051	495.3188	0.0380335	1.610	1.75911030	NA
## 1468	49.67949	488.0770	-0.0719790	1.710	1.88166670	NA
## 1470	49.69697	578.5784	0.1238117	1.882	2.12176200	NA

## 1472	49.71429	661.2806	-0.0148177	2.054	2.36185730	NA
## 1474	50.26882	967.0250	0.1923480	2.260	2.59438820	55.19920
## 1476	50.75758	1378.5131	0.1676059	2.500	2.81935490	61.64390
## 1478	50.94340	1535.0133	0.0505257	2.740	3.04432160	70.51520
## 1480	51.09649	1733.4278	0.0476270	2.892	3.22368080	77.85180
## 1482	51.52749	1953.9575	0.1037712	3.044	3.40304000	82.81080
## 1484	51.61290	2400.4084	0.0601525	3.554	3.96722160	91.07030
## 1486	51.24113	2453.9070	0.0526114	4.422	4.91622560	94.03350
## 1488	51.74709	3309.4857	0.1735563	5.290	5.86522960	97.99120
## 1490	51.87500	4341.4835	0.0836258	5.918	6.78149560	100.91600
## 1492	52.57732	6174.1847	0.2241821	6.546	7.69776160	104.05000
## 1494	53.34262	6435.6123	0.0219097	7.136	8.34176470	106.25000
## 1496	54.61741	6407.9707	0.0132322	7.688	8.71350490	103.69600
## 1498	55.97484	7067.9101	0.0679760	8.240	9.08524500	102.74000
## 1500	57.05669	8795.8469	0.0587711	8.472	9.30664590	104.16200
## 1502	57.97439	9729.7252	0.1349344	8.704	9.52804670	104.13300
## 1504	59.32203	10005.3282	-0.0254450	8.900	9.73322860	106.91800
## 1506	60.13216	10542.1517	0.0236645	9.060	9.92219160	107.62400
## 1508	61.02784	12668.1192	0.1227627	9.220	10.11115500	107.19500
## 1510	62.04757	13338.0724	0.0070295	9.352	10.22745300	106.69000
## 1512	62.78607	11447.8509	-0.1001053	9.484	10.34375100	107.51000
## 1514	63.38432	13938.8589	0.0920753	NA	NA	NA
## 1516	64.00367	14190.8897	0.0370359	NA	NA	108.57200
## 1518	64.22261	NA	NA	NA	NA	NA
## 1520	55.52977	1696.2221	0.0140400	2.122	2.04553220	NA
## 1522	55.29317	1773.6009	0.0044241	2.206	2.12499590	NA
## 1524	54.97239	1994.3209	0.0625544	2.290	2.20445960	NA
## 1526	54.32998	2063.2996	0.0350385	2.394	2.30196880	NA
## 1528	53.79675	2281.5951	0.0350327	2.498	2.39947810	NA
## 1530	53.32018	2599.1994	0.0537791	2.610	2.51230680	NA
## 1532	52.89051	2648.9487	-0.0199552	2.730	2.64045510	NA
## 1534	52.86855	2686.3272	-0.0014677	2.850	2.76860330	NA
## 1536	53.04254	2882.0853	0.0337543	3.026	2.95133310	NA
## 1538	53.68903	3122.0260	0.0239096	3.202	3.13406280	NA
## 1540	54.38714	3759.2840	0.0837259	3.212	3.12940980	NA
## 1542	55.03913	4600.2195	0.1112118	3.056	2.93737410	NA
## 1544	55.85260	4871.0293	0.0237103	2.900	2.74533840	NA
## 1546	56.66433	5280.1235	0.0101128	2.956	2.90827370	NA
## 1548	57.55080	5507.7039	0.0345116	3.012	3.07120900	NA
## 1550	58.20563	5354.4468	-0.0102673	3.220	3.41418220	NA
## 1552	58.73266	5206.0155	-0.0340033	3.580	3.93719330	NA
## 1554	59.27652	5544.7940	0.0283604	3.940	4.46020430	NA
## 1556	59.79895	6241.6283	0.0131655	4.240	4.87986600	NA
## 1558	60.48151	6176.2074	-0.0065994	4.540	5.29952770	NA
## 1560	61.29656	6175.3594	0.0473499	4.868	5.70056410	NA
## 1562	62.19162	6694.3247	0.0590248	5.224	6.08297540	NA
## 1564	63.18408	8534.5324	0.1389780	5.580	6.46538660	NA
## 1566	64.15079	9630.9629	-0.0461311	5.956	6.89411580	NA
## 1568	65.04967	8641.4466	-0.0566597	6.332	7.32284500	165.64500
## 1570	65.71299	8433.7991	-0.0227222	6.674	7.70752920	150.78600
## 1572	66.24501	8349.8051	-0.0153427	6.982	8.04816850	140.54400
## 1574	66.72671	8762.8112	0.0073080	7.290	8.38880780	133.26200
## 1576	67.20969	10398.7252	0.0944891	7.530	8.62172430	128.18000
## 1578	67.70663	11777.4183	0.0333862	7.770	8.85464080	131.16500

## 1580	68.21763	14874.1883	0.0959005	NA	NA	132.49700
## 1582	68.59139	15082.6048	0.0209799	NA	NA	109.77000
## 1584	68.95321	NA	NA	NA	NA	115.34100
## 1586	56.00000	NA	NA	2.070	1.08082430	NA
## 1588	53.57143	NA	NA	2.170	1.16974550	NA
## 1590	58.06452	NA	NA	2.270	1.25866670	NA
## 1592	55.88235	NA	NA	2.442	1.42031120	NA
## 1594	55.26316	NA	NA	2.614	1.58195560	NA
## 1596	51.21951	NA	NA	2.838	1.82738010	NA
## 1598	48.88889	NA	NA	3.114	2.15658480	NA
## 1600	46.00000	NA	NA	3.390	2.48578940	NA
## 1602	51.85185	NA	NA	3.898	3.15630120	NA
## 1604	53.33333	NA	NA	4.406	3.82681300	NA
## 1606	53.03030	95724.1938	0.0532503	4.864	4.41295240	132.99900
## 1608	52.77778	104564.9547	0.0389080	5.272	4.91471940	131.55500
## 1610	56.41026	109028.4639	-0.0446520	5.680	5.41648650	124.40700
## 1612	55.42169	128266.6242	0.0382090	6.064	5.90737010	125.64100
## 1614	56.81818	151347.0274	0.1709299	6.448	6.39825380	109.85800
## 1616	56.98925	145579.2834	-0.0976496	6.740	6.79731370	109.42700
## 1618	56.56566	100036.7082	-0.0860071	6.940	7.10454970	106.14100
## 1620	60.00000	86948.6988	-0.1162109	7.140	7.41178560	105.86300
## 1622	59.45946	57521.5715	0.0719843	7.360	7.63318910	110.70700
## 1624	61.01695	52151.8622	0.0790062	7.580	7.85459260	118.66900
## 1626	62.40000	51373.8034	-0.0510979	7.748	8.02933300	113.07500
## 1628	63.63636	47735.1677	-0.0850487	7.864	8.15741040	115.87000
## 1630	63.57143	39834.5210	-0.0948420	7.980	8.28548780	115.68900
## 1632	65.77181	43990.3059	-0.1759644	8.076	8.33833430	111.58400
## 1634	66.66667	43558.0013	0.1384449	8.172	8.39118090	112.91900
## 1636	68.67470	49804.8150	-0.0475264	8.266	8.46535440	108.48600
## 1638	68.42105	54428.7741	0.0856075	8.358	8.56085480	112.14000
## 1640	68.75000	72366.3983	0.1645985	8.450	8.65635520	112.09600
## 1642	70.32967	74247.7450	-0.0668011	8.566	8.78954430	110.95000
## 1644	70.05348	62880.2256	-0.2930107	8.682	8.92273350	107.61600
## 1646	71.50259	78130.8871	0.1790953	NA	NA	107.40900
## 1648	72.36181	71495.6742	-0.0819378	NA	NA	107.45200
## 1650	72.19512	NA	NA	NA	NA	108.13800
## 1652	66.44773	NA	NA	3.976	4.08456230	NA
## 1654	66.28064	NA	NA	4.288	4.51380980	NA
## 1656	66.06623	NA	NA	4.600	4.94305730	NA
## 1658	65.98072	NA	NA	4.756	5.21328650	NA
## 1660	66.03484	NA	NA	4.912	5.48351580	NA
## 1662	66.28053	NA	NA	4.882	5.49805700	NA
## 1664	66.71620	NA	NA	4.666	5.25691020	NA
## 1666	67.12162	NA	NA	4.450	5.01576340	NA
## 1668	67.26705	NA	NA	5.122	5.86868780	NA
## 1670	67.27488	NA	NA	5.794	6.72161220	NA
## 1672	67.18933	4920.0498	0.0604620	6.318	7.36001960	106.23900
## 1674	66.92877	5667.9954	0.0737391	6.694	7.78390980	102.05300
## 1676	66.55220	6561.8234	0.0796299	7.070	8.20780010	96.35240
## 1678	66.04588	7357.9220	0.0519228	7.378	8.58161240	100.42000
## 1680	65.70397	8370.0727	0.0760727	7.686	8.95542460	103.65100
## 1682	65.78535	9079.1419	0.0614376	7.982	9.27029650	100.81700
## 1684	66.29588	9956.9942	0.0508480	8.266	9.52622810	104.77700
## 1686	66.65928	10624.5219	0.0343075	8.550	9.78215970	107.41000

## 1688	66.47476	11711.7850	0.0798798	8.498	9.57600210	106.00200
## 1690	66.02892	11984.6470	-0.0273838	8.446	9.36984450	101.70000
## 1692	65.80311	12499.8072	0.0386152	8.508	9.39678790	93.96810
## 1694	65.97749	9745.7702	-0.0822744	8.684	9.65683230	94.88250
## 1696	66.14302	10079.4966	0.0276918	8.860	9.91687670	97.97640
## 1698	66.23748	7842.0563	-0.0841789	9.028	10.04332700	102.57800
## 1700	66.31986	8208.3455	-0.0032158	9.196	10.16977700	103.85800
## 1702	66.63391	9079.7595	0.0411386	9.514	10.36969900	105.79900
## 1704	66.99126	9964.3695	0.0231695	9.982	10.64309200	105.89100
## 1706	67.22476	10815.4381	0.0259714	10.450	10.91648500	101.19700
## 1708	67.03580	13491.2576	0.1325340	10.766	11.05395600	100.37500
## 1710	66.43156	15038.3014	0.0270395	11.082	11.19142700	102.92600
## 1712	65.54555	15815.7242	0.0321274	NA	NA	101.50100
## 1714	64.49275	16808.5122	0.0345249	NA	NA	99.37440
## 1716	63.41132	NA	NA	NA	NA	97.21820
## 1718	56.58915	NA	NA	NA	NA	NA
## 1720	56.42958	NA	NA	NA	NA	NA
## 1722	56.74440	NA	NA	NA	NA	NA
## 1724	56.46590	NA	NA	NA	NA	NA
## 1726	56.45092	619.6003	NA	NA	NA	NA
## 1728	56.22407	661.6154	-0.0279593	NA	NA	NA
## 1730	55.84572	683.3765	-0.0381532	NA	NA	NA
## 1732	55.67211	707.7153	-0.0089335	NA	NA	NA
## 1734	55.15174	763.7354	0.0766010	NA	NA	NA
## 1736	54.76190	788.0939	0.0068712	NA	NA	NA
## 1738	54.35915	729.0925	-0.0301228	NA	NA	12.20560
## 1740	53.99265	792.0340	-0.0661545	NA	NA	13.05110
## 1742	53.81900	812.3595	-0.0138245	NA	NA	14.11700
## 1744	53.18560	850.1726	0.0575752	NA	NA	15.07220
## 1746	52.72299	961.3938	0.0436397	NA	NA	16.36040
## 1748	52.16049	963.4595	0.0337958	NA	NA	18.48390
## 1750	51.71954	853.4245	-0.0892682	NA	NA	21.83790
## 1752	51.41700	906.4727	0.0731716	NA	NA	25.56910
## 1754	50.98463	920.8297	-0.0328121	NA	NA	29.78620
## 1756	50.82042	935.9194	-0.0183396	NA	NA	31.49870
## 1758	50.75659	957.2092	0.0483117	NA	NA	33.72300
## 1760	50.73801	935.1266	0.0049186	NA	NA	35.47660
## 1762	51.05887	880.6568	0.0232334	NA	NA	38.83550
## 1764	51.06696	975.7237	0.0295405	NA	NA	NA
## 1766	51.33159	1080.7338	0.0372829	NA	NA	44.28330
## 1768	51.44928	1099.8779	0.0334268	NA	NA	46.43790
## 1770	51.58075	1176.1493	0.0471888	NA	NA	49.31790
## 1772	51.76471	1244.7575	0.0399623	NA	NA	58.33340
## 1774	51.65581	1235.6547	-0.0165524	NA	NA	67.66520
## 1776	51.70929	1246.8927	-0.0007071	NA	NA	77.55840
## 1778	51.77715	1385.7454	0.0474505	NA	NA	81.28210
## 1780	51.99071	1450.5340	0.0030150	NA	NA	85.26260
## 1782	52.34075	NA	NA	NA	NA	87.99260
## 1784	56.18893	NA	NA	0.440	0.24194523	NA
## 1786	55.46814	NA	NA	0.480	0.25935182	NA
## 1788	55.25114	NA	NA	0.520	0.27675840	NA
## 1790	54.69897	NA	NA	0.580	0.36598022	NA
## 1792	54.41696	NA	NA	0.640	0.45520204	NA
## 1794	53.95095	552.3552	-0.1716757	0.698	0.53988804	NA

## 1796	53.18450	595.0075	0.0144868	0.754	0.62003824	NA
## 1798	52.93006	601.2671	0.0059409	0.810	0.70018843	NA
## 1800	52.31231	653.6445	0.0916696	0.910	0.75127687	NA
## 1802	52.32092	603.9510	-0.0647135	1.010	0.80236531	NA
## 1804	52.19079	740.5828	0.0005336	1.104	0.85104866	28.39640
## 1806	52.06074	725.7987	0.0850592	1.192	0.89732693	23.69150
## 1808	52.37592	676.8806	-0.0415993	1.280	0.94360520	21.84860
## 1810	52.76509	920.9385	0.1629944	1.348	1.02209700	21.94870
## 1812	53.06615	841.4570	-0.0028009	1.416	1.10058880	23.94600
## 1814	52.79304	838.7863	0.0308604	1.468	1.16253960	28.41640
## 1816	52.36033	818.3542	0.0186520	1.504	1.20794930	40.25480
## 1818	51.75367	875.4535	0.0689297	1.540	1.25335910	49.65190
## 1820	50.70800	840.0857	-0.0543237	1.620	1.34377110	59.44520
## 1822	49.89209	812.6137	-0.0722389	1.700	1.43418320	67.22470
## 1824	49.16468	813.3403	0.0185356	1.828	1.55792800	68.66270
## 1826	48.61609	701.5284	-0.0997305	2.004	1.71500550	64.20950
## 1828	48.60283	655.0232	-0.1043906	2.180	1.87208310	48.15700
## 1830	48.25688	612.9480	0.0168486	2.332	2.05931560	38.97510
## 1832	48.36407	645.3363	0.0020175	2.484	2.24654810	55.15270
## 1834	49.20409	583.3537	-0.0129485	2.624	2.41636460	59.68110
## 1836	50.68091	578.7410	0.0018802	2.752	2.56876500	69.87510
## 1838	51.96811	568.1073	-0.0446620	2.880	2.72116550	79.06210
## 1840	52.81837	502.5548	-0.0448813	3.068	2.97549870	111.30000
## 1842	53.35926	599.3658	0.1328006	3.256	3.22983190	126.07000
## 1844	53.50806	641.0735	0.0056210	NA	NA	135.11900
## 1846	53.35976	742.7227	0.0466146	NA	NA	130.45900
## 1848	53.12113	NA	NA	NA	NA	123.78200
## 1850	61.22449	NA	NA	NA	NA	NA
## 1852	57.84314	NA	NA	NA	NA	NA
## 1854	58.25243	NA	NA	NA	NA	NA
## 1856	55.76923	NA	NA	NA	NA	NA
## 1858	55.66038	NA	NA	NA	NA	NA
## 1860	54.12844	1192.3723	0.1608500	NA	NA	NA
## 1862	50.43478	789.1621	-0.2220359	NA	NA	NA
## 1864	49.18033	841.4872	0.0182056	NA	NA	NA
## 1866	50.00000	1111.0507	0.0745072	NA	NA	NA
## 1868	48.20144	1270.1491	0.0525260	NA	NA	NA
## 1870	48.25175	1460.8741	0.0405140	NA	NA	56.99810
## 1872	47.91667	1517.9292	0.0179138	NA	NA	82.26920
## 1874	48.61111	1285.9288	-0.1861100	NA	NA	100.15100
## 1876	48.97959	1235.8098	-0.0542054	NA	NA	117.23200
## 1878	49.66887	1367.7056	0.0194840	NA	NA	114.96400
## 1880	51.92308	1477.4791	0.0208268	NA	NA	112.66800
## 1882	52.17391	1627.1970	0.0569887	NA	NA	106.40500
## 1884	53.89222	1697.8827	0.0237861	NA	NA	114.36300
## 1886	52.63158	1967.7636	0.0478816	NA	NA	119.33300
## 1888	52.84091	2105.3190	0.0497880	NA	NA	125.04000
## 1890	51.91257	2044.8635	0.0077186	NA	NA	125.40900
## 1892	51.56250	2216.2162	0.0309887	NA	NA	NA
## 1894	50.99010	2429.1381	-0.0057778	NA	NA	NA
## 1896	51.64319	2656.7082	-0.0225806	NA	NA	NA
## 1898	52.91480	3334.3706	0.1288176	NA	NA	120.22400
## 1900	53.24675	3431.7091	0.0307560	NA	NA	115.67700
## 1902	55.46218	3906.9573	0.0943985	NA	NA	113.53600

## 1904	57.43802	4091.4446	-0.0083046	NA	NA	110.21500
## 1906	59.59184	5079.2078	0.1270819	NA	NA	110.12500
## 1908	61.13360	5662.4273	0.0308809	NA	NA	110.87900
## 1910	63.34661	6133.2296	0.0509577	NA	NA	112.79700
## 1912	64.59144	5803.5333	-0.0597725	NA	NA	114.23200
## 1914	65.53030	NA	NA	NA	NA	109.88800
## 1916	54.71366	NA	NA	0.464	0.14872564	NA
## 1918	53.78186	NA	NA	0.552	0.17979475	NA
## 1920	53.14851	NA	NA	0.640	0.21086387	NA
## 1922	52.27700	NA	NA	0.856	0.39297144	NA
## 1924	51.86113	NA	NA	1.072	0.57507901	NA
## 1926	51.32563	NA	NA	1.236	0.70629621	NA
## 1928	50.66150	NA	NA	1.348	0.78662305	NA
## 1930	50.55487	NA	NA	1.460	0.86694988	NA
## 1932	50.72895	NA	NA	1.604	0.99868143	NA
## 1934	51.48543	NA	NA	1.748	1.13041300	NA
## 1936	52.08333	1564.0530	-0.0713143	1.896	1.27324480	27.61460
## 1938	52.43675	1150.3440	-0.2292023	2.048	1.42717700	37.96480
## 1940	53.32809	1065.1370	-0.0121303	2.200	1.58110910	NA
## 1942	54.56258	949.7042	-0.1308851	2.336	1.72852700	NA
## 1944	56.57527	881.1058	-0.1089392	2.472	1.87594490	NA
## 1946	57.57997	831.5627	-0.0099573	2.592	2.00080030	169.13000
## 1948	56.81519	817.5274	0.0086813	2.696	2.10309320	211.29700
## 1950	56.00890	832.1392	0.0075984	2.800	2.20538610	201.11000
## 1952	54.85380	982.5329	0.1546292	2.916	2.34059510	156.50200
## 1954	54.61590	1095.4496	0.0131664	3.032	2.47580410	133.62200
## 1956	53.67678	1127.0193	0.0543485	3.126	2.59664490	101.38100
## 1958	52.24981	1063.2834	-0.0887375	3.198	2.70311750	NA
## 1960	51.82628	1172.4417	0.0570707	3.270	2.80959000	101.27400
## 1962	52.85641	1142.2719	0.0394068	3.362	2.93269960	92.87210
## 1964	55.40695	1255.5315	0.0915556	3.454	3.05580930	100.91800
## 1966	57.92845	1388.4225	0.0562191	3.620	3.24513540	115.43800
## 1968	59.51197	1590.7278	0.0605526	3.860	3.50067820	131.01600
## 1970	60.80233	1899.8781	0.1014299	4.100	3.75622090	130.43800
## 1972	62.17940	2170.8370	0.0688834	4.348	4.07391110	127.39000
## 1974	63.43849	2396.5518	-0.0020447	4.596	4.39160120	122.83600
## 1976	64.14918	2595.1275	0.0601783	NA	NA	121.70500
## 1978	64.66477	2953.5288	0.0685692	NA	NA	123.00800
## 1980	64.89975	NA	NA	NA	NA	116.65700
## 1982	56.99482	NA	NA	0.736	0.35961459	NA
## 1984	56.77931	NA	NA	0.808	0.40198819	NA
## 1986	56.92990	NA	NA	0.880	0.44436179	NA
## 1988	56.66537	NA	NA	0.960	0.49277259	NA
## 1990	56.66168	NA	NA	1.040	0.54118339	NA
## 1992	56.43422	1278.3357	0.0229063	1.150	0.62807154	NA
## 1994	56.00688	1301.6432	0.0425010	1.290	0.75343705	NA
## 1996	55.70911	1366.2234	0.0285492	1.430	0.87880255	NA
## 1998	55.13344	1237.1762	-0.1194386	1.582	1.03490900	NA
## 2000	54.63517	1356.1304	0.0498271	1.734	1.19101540	NA
## 2002	54.09323	1452.6045	0.0471597	1.932	1.41534680	89.38260
## 2004	53.42503	1573.0330	0.0101738	2.176	1.70790330	86.95500
## 2006	53.05236	1718.7552	0.0849795	2.420	2.00045980	89.97310
## 2008	52.44079	1810.9757	0.0967174	2.668	2.30256330	89.87880
## 2010	52.04291	2138.4216	0.0121417	2.916	2.60466690	91.48430

## 2012	51.65805	2269.1520	0.0960445	3.172	2.91686790	94.37340
## 2014	51.19724	2748.3092	0.1014490	3.436	3.23916650	98.02190
## 2016	50.94592	3080.1902	0.0211039	3.700	3.56146510	97.67520
## 2018	50.56685	2563.2545	-0.0709319	3.968	3.89284660	100.52000
## 2020	50.44923	2381.9588	-0.0169659	4.236	4.22422810	97.72200
## 2022	50.32774	2262.3876	-0.0468426	4.496	4.52812310	94.75830
## 2024	50.35482	2023.3529	-0.0508661	4.748	4.80453170	NA
## 2026	50.58555	2085.8348	0.0278254	5.000	5.08094030	79.93010
## 2028	50.79838	2182.3549	0.0081668	5.184	5.30027320	76.74420
## 2030	51.23893	2271.9555	0.0187654	5.368	5.51960600	81.00920
## 2032	51.63964	2246.3125	-0.0186601	5.522	5.68536840	98.14320
## 2034	52.02131	2330.6297	0.0305414	5.646	5.79756040	97.94840
## 2036	52.48844	2310.0235	-0.0107317	5.770	5.90975240	100.34000
## 2038	52.78476	2403.6698	-0.0004716	5.922	6.08452180	101.30800
## 2040	53.17539	2379.8889	0.0050373	6.074	6.25929120	103.87200
## 2042	53.51633	2471.7112	0.0165977	NA	NA	105.90600
## 2044	53.85308	2598.2990	0.0248122	NA	NA	NA
## 2046	54.29232	NA	NA	NA	NA	117.13400
## 2048	62.35785	11405.1699	0.0138350	7.666	8.25174060	NA
## 2050	61.43149	12367.5342	0.0232086	7.798	8.35607610	NA
## 2052	60.22683	12731.2596	0.0661373	7.930	8.46041150	NA
## 2054	59.47330	13292.8535	-0.0161819	8.094	8.58440140	NA
## 2056	58.81264	13465.1307	0.0219755	8.258	8.70839120	NA
## 2058	58.53955	13796.0004	0.0151033	8.402	8.83095280	NA
## 2060	58.61264	14824.4352	0.0296278	8.526	8.95208630	NA
## 2062	59.05423	16331.0512	0.0479870	8.650	9.07321980	NA
## 2064	59.90938	17263.6463	0.0101624	8.846	9.33541270	NA
## 2066	61.06565	18429.1650	0.0357103	9.042	9.59760560	NA
## 2068	62.39072	19226.5203	0.0337725	9.252	9.84716080	102.42000
## 2070	63.66958	21445.6716	0.0671263	9.476	10.08407800	98.31950
## 2072	64.93641	22247.6359	-0.0050478	9.700	10.32099600	97.79780
## 2074	65.93666	23591.0658	0.0105362	9.880	10.49690700	98.64950
## 2076	66.90506	25018.8302	0.0404778	10.060	10.67281900	99.22520
## 2078	67.48915	25643.8262	0.0150919	10.108	10.72053500	99.02530
## 2080	67.69194	25063.5410	0.0276394	10.024	10.64005600	104.14600
## 2082	67.62468	27569.8016	0.0427198	9.940	10.55957700	103.30500
## 2084	67.44447	28978.9127	0.0431366	10.096	10.75314400	103.47600
## 2086	67.18273	31047.8714	0.0219746	10.252	10.94671000	103.77900
## 2088	66.92618	29432.3641	-0.0375204	10.406	11.13590600	103.93100
## 2090	66.69890	29885.8037	0.0183468	10.558	11.32073200	102.16900
## 2092	66.64865	32348.5989	0.0347977	10.710	11.50555800	101.27400
## 2094	66.77494	34001.6131	0.0357189	10.806	11.58722300	NA
## 2096	67.09858	36164.3512	0.0466413	10.902	11.66888800	99.78260
## 2098	67.49568	37629.4829	-0.0101233	11.166	11.92794900	NA
## 2100	67.89612	38329.8802	0.0217752	11.598	12.36440700	NA
## 2102	68.22372	40656.3341	0.0286942	12.030	12.80086400	97.05580
## 2104	68.49669	41745.7521	0.0129089	12.146	12.88832100	98.78650
## 2106	68.56555	38846.4421	-0.0805845	12.262	12.97577800	98.98700
## 2108	68.27122	41273.1680	0.0263901	NA	NA	98.29530
## 2110	67.76483	41964.6024	0.0105429	NA	NA	100.57200
## 2112	67.06967	NA	NA	NA	NA	NA
## 2114	58.52941	NA	NA	0.400	0.26751730	NA
## 2116	58.21326	NA	NA	0.420	0.27273048	NA
## 2118	58.08720	NA	NA	0.440	0.27794366	NA

## 2120	57.67123	NA	NA	0.464	0.28933383	NA
## 2122	57.57979	NA	NA	0.488	0.30072401	NA
## 2124	57.27156	1426.4371	0.0597363	0.520	0.31278060	NA
## 2126	56.82382	1304.1080	-0.0770812	0.560	0.32550360	NA
## 2128	56.32458	1293.1295	-0.0193605	0.600	0.33822660	NA
## 2130	55.49199	1150.8641	-0.0911198	0.688	0.37629596	NA
## 2132	55.32382	1354.9223	-0.0125685	0.776	0.41436532	NA
## 2134	55.06329	1317.9583	-0.0478101	0.886	0.47720460	64.87480
## 2136	54.66531	1318.7123	0.0434647	1.018	0.56481380	67.38080
## 2138	54.38596	1162.7757	-0.0319028	1.150	0.65242299	71.14600
## 2140	53.86766	1224.4650	0.0428128	1.354	0.82660086	73.60360
## 2142	53.90764	1151.8252	-0.0523686	1.558	1.00077870	71.44110
## 2144	53.86555	1195.8634	0.1351795	1.740	1.15720990	69.33330
## 2146	53.79747	1060.5819	-0.0811553	1.900	1.29589430	71.88990
## 2148	53.85191	1209.8157	0.0701356	2.060	1.43457870	77.04880
## 2150	53.21429	1048.0045	-0.0987792	2.304	1.64008820	64.91660
## 2152	53.18275	1112.9818	0.0293722	2.548	1.84559780	66.33930
## 2154	53.09850	1036.5263	-0.0405908	2.734	2.03456180	65.03030
## 2156	53.34572	925.3642	-0.0462804	2.862	2.20698010	NA
## 2158	53.65135	1007.9192	-0.0136790	2.990	2.37939850	NA
## 2160	53.76404	916.5192	0.0455031	3.110	2.49941310	NA
## 2162	53.92896	920.9212	-0.0231905	3.230	2.61942780	NA
## 2164	53.98964	927.8865	-0.0018559	3.342	2.73600340	77.88150
## 2166	54.16249	846.9302	-0.0702577	3.446	2.84914000	68.08610
## 2168	54.41748	851.8475	-0.0054336	3.550	2.96227660	65.03380
## 2170	54.73290	883.6558	0.0191689	3.634	3.06263940	75.01070
## 2172	55.23939	845.3596	-0.0341620	3.718	3.16300220	88.86500
## 2174	55.89387	905.9521	0.0510378	NA	NA	92.58380
## 2176	56.42528	584.5972	-0.4532681	NA	NA	NA
## 2178	57.02213	NA	NA	NA	NA	NA
## 2180	58.09450	NA	NA	NA	NA	NA
## 2182	57.00447	NA	NA	NA	NA	NA
## 2184	56.63082	NA	NA	NA	NA	NA
## 2186	55.79310	NA	NA	NA	NA	NA
## 2188	55.51129	NA	NA	NA	NA	NA
## 2190	54.85313	2029.7803	0.0197496	NA	NA	NA
## 2192	54.08226	2071.6901	-0.0854788	NA	NA	NA
## 2194	53.75074	2105.4755	0.0353098	NA	NA	NA
## 2196	53.44729	1997.9542	-0.0153546	NA	NA	NA
## 2198	53.70675	2056.9227	0.0378499	NA	NA	NA
## 2200	53.52632	2156.0840	0.0106649	NA	NA	32.38310
## 2202	53.21608	1767.2804	-0.1086340	NA	NA	31.70290
## 2204	53.05435	1961.0148	0.0357161	NA	NA	32.32820
## 2206	52.40741	1846.6838	-0.0324473	NA	NA	33.87150
## 2208	52.03034	1162.7826	-0.4576931	NA	NA	NA
## 2210	51.45673	933.9031	-0.1352868	NA	NA	NA
## 2212	50.94185	1264.1015	0.2697754	NA	NA	NA
## 2214	50.54432	1364.8406	0.0345759	NA	NA	34.67390
## 2216	50.00000	1330.2989	-0.0205822	NA	NA	38.43420
## 2218	49.74200	1417.4072	0.0055337	NA	NA	44.39950
## 2220	49.38630	1437.0559	0.0179129	NA	NA	51.28360
## 2222	49.09036	1348.4987	-0.0426807	NA	NA	50.17670
## 2224	48.97727	1335.9186	-0.0052848	NA	NA	46.29590
## 2226	48.57902	1369.7580	0.0766811	NA	NA	53.65960



## 2228	48.53888	1310.1129	0.0001650	NA	NA	61.12400
## 2230	48.35519	1197.9484	-0.0050907	NA	NA	66.32970
## 2232	48.26189	1062.5965	0.1386423	NA	NA	71.94310
## 2234	48.43316	1864.5094	0.1799679	NA	NA	71.90290
## 2236	48.42418	1703.8535	0.0115428	NA	NA	70.16070
## 2238	48.71438	1456.4190	-0.1319952	NA	NA	82.53930
## 2240	49.05630	1679.0484	-0.0812631	NA	NA	89.57610
## 2242	49.45942	1981.0702	0.0743532	NA	NA	101.40400
## 2244	49.98573	NA	NA	NA	NA	NA
## 2246	58.86435	4474.0979	NA	4.844	4.95152920	NA
## 2248	58.06938	4768.4262	-0.0043850	4.912	4.97094760	NA
## 2250	57.59585	4855.4469	-0.0238800	4.980	4.99036610	NA
## 2252	56.86760	4966.3828	0.0487251	5.076	5.05725590	NA
## 2254	56.60972	4938.4236	-0.0118666	5.172	5.12414570	NA
## 2256	56.26098	4833.1963	-0.0528994	5.308	5.27348270	NA
## 2258	55.93383	6059.2222	0.0359373	5.484	5.50526700	NA
## 2260	55.82302	5982.0767	-0.0155792	5.660	5.73705130	NA
## 2262	55.87977	6671.0427	0.0274248	5.832	5.96553680	NA
## 2264	56.25000	7226.9676	0.0514383	6.004	6.19402220	NA
## 2266	56.70312	7706.5134	0.0806665	6.186	6.43211350	128.83600
## 2268	57.39980	7137.0890	-0.0471630	6.378	6.67981070	128.60900
## 2270	58.30810	5410.2327	-0.2412453	6.570	6.92750780	123.66300
## 2272	59.26606	5948.1811	0.0443411	6.722	7.15784480	117.68300
## 2274	60.26006	6835.7249	0.0838690	6.874	7.38818180	117.88700
## 2276	61.30427	7310.6657	0.0274744	7.090	7.65354960	114.97500
## 2278	62.34464	5969.4389	-0.0356779	7.370	7.95394830	112.68200
## 2280	63.13732	5991.9850	-0.0030565	7.650	8.25434690	110.36000
## 2282	63.60769	6496.9156	0.0500536	7.934	8.58019030	NA
## 2284	63.92067	7621.2346	0.0666456	8.218	8.90603380	106.72500
## 2286	64.07681	8055.6419	0.0593452	8.444	9.12714600	107.02200
## 2288	64.24685	9110.5304	0.0415392	8.612	9.24352720	103.24900
## 2290	64.42869	11190.5537	0.1274824	8.780	9.35990830	NA
## 2292	64.71065	11577.4935	0.0111408	8.896	9.61531500	80.26180
## 2294	65.03754	10848.2351	-0.0430574	9.012	9.87072170	108.36600
## 2296	65.55313	10829.9271	-0.0160360	9.190	10.09104700	NA
## 2298	66.21503	11306.5755	0.0438919	9.430	10.27629100	106.67600
## 2300	66.85056	13529.1227	0.0734921	9.670	10.46153600	109.50500
## 2302	67.27796	16873.1121	0.0691471	9.714	10.56064500	109.12100
## 2304	67.58499	16660.1751	0.0134230	9.758	10.65975400	106.75600
## 2306	67.76784	20520.7232	0.0765104	NA	NA	102.19700
## 2308	67.90927	21458.5598	0.0198393	NA	NA	100.18800
## 2310	67.81040	NA	NA	NA	NA	101.64400
## 2312	60.14517	NA	NA	1.680	1.59581770	NA
## 2314	58.37037	983.4547	0.0772123	1.820	1.73417310	NA
## 2316	57.63192	1022.2935	0.0358424	1.960	1.87252860	NA
## 2318	56.45620	1137.9363	0.0597749	2.180	2.15559850	NA
## 2320	55.99721	1222.6546	-0.0128078	2.400	2.43866840	NA
## 2322	55.65458	848.6993	-0.3074465	2.630	2.72578710	NA
## 2324	54.94426	1005.5450	0.0728383	2.870	3.01695450	NA
## 2326	54.80873	1174.6557	0.0558715	3.110	3.30812190	NA
## 2328	54.56176	1155.2784	-0.0640802	3.394	3.67950370	NA
## 2330	54.91370	1176.3176	0.0891461	3.678	4.05088550	NA
## 2332	54.86434	1341.6459	0.0434289	3.952	4.38127800	108.30100
## 2334	54.81023	1366.9428	0.0426488	4.216	4.67068120	117.29600

## 2336	55.18977	1390.5737	0.0289984	4.480	4.96008450	123.28600
## 2338	56.25222	1379.9672	0.0126133	4.812	5.28880550	118.09300
## 2340	57.76975	1585.0472	0.0316143	5.144	5.61752650	110.72100
## 2342	59.72536	1642.0367	0.0266027	5.392	5.91715820	112.76700
## 2344	61.74937	1862.2585	0.0493999	5.556	6.18770060	112.49800
## 2346	63.54493	2180.3616	0.0609317	5.720	6.45824300	118.63900
## 2348	64.57181	2380.2094	0.0545921	5.848	6.63281720	128.38200
## 2350	65.22682	2360.8947	-0.0195642	5.976	6.80739140	130.73800
## 2352	65.45571	2505.2604	0.0485716	6.190	6.98143470	126.34000
## 2354	65.86638	2895.5589	0.0748777	6.490	7.15494710	119.84600
## 2356	66.24018	3438.6908	0.1051664	6.790	7.32845940	112.98900
## 2358	67.02722	3734.5860	0.0582952	7.026	7.50063850	87.92570
## 2360	67.70455	3901.1153	0.0512848	7.262	7.67281760	NA
## 2362	69.06467	4400.8349	0.0664434	7.442	7.83161430	107.43500
## 2364	70.88382	5242.5227	0.0746145	7.566	7.97702890	113.46500
## 2366	72.61929	6400.3155	0.0991783	7.690	8.12244340	NA
## 2368	73.71620	7858.4897	0.0979128	7.794	8.20750180	109.36500
## 2370	74.43189	8709.0347	0.0807314	7.898	8.29256020	113.95200
## 2372	74.56075	10205.0560	0.0762014	NA	NA	110.78400
## 2374	74.12851	11673.1373	0.0644369	NA	NA	108.73400
## 2376	73.32747	NA	NA	NA	NA	104.12500
## 2378	53.70312	3090.4391	-0.0282068	2.400	2.42368010	NA
## 2380	52.95421	3390.7811	0.0606680	2.540	2.57740380	NA
## 2382	52.33775	3630.2913	-0.0033722	2.680	2.73112740	NA
## 2384	51.56106	3456.4583	-0.0386667	2.828	2.88185480	NA
## 2386	51.01230	3374.5692	0.0183163	2.976	3.03258210	NA
## 2388	50.59099	3549.9994	0.0288963	3.124	3.18386460	NA
## 2390	50.34726	3602.2563	-0.0017824	3.272	3.33570220	NA
## 2392	50.37399	3701.6265	-0.0306978	3.420	3.48753980	NA
## 2394	50.47022	3815.6893	0.0114431	3.616	3.68614210	NA
## 2396	50.87524	4102.0317	0.0401106	3.812	3.88474430	NA
## 2398	51.50555	4652.3552	0.0701418	4.000	4.08138400	105.12300
## 2400	52.42180	5492.1436	0.0861826	4.180	4.27606120	107.35400
## 2402	53.45396	5957.0947	0.0352983	4.360	4.47073840	108.03100
## 2404	54.56223	6535.8739	0.0388536	4.572	4.76982220	111.29100
## 2406	55.51311	6860.9391	0.0062456	4.784	5.06890610	118.66000
## 2408	56.51625	6802.3496	-0.0288658	5.010	5.35810230	118.08100
## 2410	57.66394	6518.6113	-0.0271416	5.250	5.63741090	109.41500
## 2412	58.59370	6425.2377	-0.0175743	5.490	5.91671940	105.35000
## 2414	59.19409	6666.0492	-0.0188799	5.690	6.15056690	102.86900
## 2416	59.64653	6750.9280	0.0061064	5.890	6.38441450	101.87200
## 2418	60.23658	6833.7909	-0.0032301	6.086	6.60943870	101.99300
## 2420	60.93056	7117.3684	0.0299082	6.278	6.82563960	107.33700
## 2422	61.76035	7629.4585	0.0274725	6.470	7.04184060	109.36400
## 2424	62.65820	7625.0341	0.0093803	6.642	7.25308200	NA
## 2426	63.68651	6887.3893	-0.0638132	6.814	7.46432350	119.63200
## 2428	64.63691	6887.5766	-0.0199413	6.932	7.65587720	118.98200
## 2430	65.45207	7046.1105	0.0189075	6.996	7.82774330	NA
## 2432	66.24372	7638.5198	0.0389395	7.060	7.99960940	127.50400
## 2434	66.97962	9043.8241	0.0853872	7.816	8.75101440	129.41500
## 2436	67.73114	9793.9001	0.0167332	8.572	9.50241950	129.68500
## 2438	68.26449	11582.5612	0.0974588	NA	NA	120.51900
## 2440	68.58998	12314.2274	0.0315304	NA	NA	116.62100
## 2442	68.80131	NA	NA	NA	NA	113.56300

## 2444	57.50000	NA	NA	NA	NA	NA
## 2446	58.33333	NA	NA	NA	NA	NA
## 2448	57.47126	NA	NA	NA	NA	NA
## 2450	56.66667	NA	NA	NA	NA	NA
## 2452	55.91398	NA	NA	NA	NA	NA
## 2454	56.25000	1243.6510	0.0726628	NA	NA	NA
## 2456	53.00000	1511.3416	0.0807090	NA	NA	NA
## 2458	52.42718	1542.1461	-0.0447540	NA	NA	NA
## 2460	52.33645	1876.4187	0.1105571	NA	NA	NA
## 2462	52.67857	1720.8547	-0.0593691	NA	NA	NA
## 2464	52.99145	1855.6264	0.0202217	NA	NA	39.10650
## 2466	51.63934	1953.5022	0.0504022	NA	NA	50.05860
## 2468	53.12500	2015.2134	0.0299754	NA	NA	68.25700
## 2470	52.17391	1964.8978	0.0037837	NA	NA	95.50430
## 2472	51.00671	2053.3234	0.0538588	NA	NA	104.49400
## 2474	50.94340	2125.5381	-0.0035429	NA	NA	116.72900
## 2476	50.88757	2273.6049	0.0372162	NA	NA	112.57200
## 2478	50.27933	2244.8238	0.0033164	NA	NA	106.58700
## 2480	49.73545	2185.0053	-0.0304422	NA	NA	99.48820
## 2482	49.75124	2062.1767	-0.0548511	NA	NA	97.85480
## 2484	50.70423	1934.8270	-0.0264602	NA	NA	99.79720
## 2486	50.44248	1863.3589	-0.0291529	NA	NA	97.93330
## 2488	51.46444	1855.8413	0.1742873	NA	NA	NA
## 2490	51.98413	1765.8503	0.0079021	NA	NA	NA
## 2492	52.83019	1595.1017	0.0039916	NA	NA	91.90710
## 2494	54.12186	1667.7712	0.0874853	NA	NA	NA
## 2496	54.26621	1609.9061	-0.1064672	NA	NA	109.59000
## 2498	55.04886	1501.7656	-0.0175328	NA	NA	NA
## 2500	55.59006	1500.0129	-0.0494909	NA	NA	102.78600
## 2502	55.91716	1439.3494	-0.0165753	NA	NA	NA
## 2504	56.05634	1417.4813	-0.0068769	NA	NA	106.36400
## 2506	56.30027	1448.6735	0.0133533	NA	NA	105.24900
## 2508	57.03325	NA	NA	NA	NA	NA
## 2510	53.73066	2077.9337	0.1221776	0.594	0.15620200	NA
## 2512	54.07776	2413.4137	0.1114092	0.622	0.17336566	NA
## 2514	54.53013	2562.8890	0.0490279	0.650	0.19052933	NA
## 2516	54.55402	2466.1367	-0.0467906	0.714	0.22441518	NA
## 2518	54.73008	2388.1426	-0.0150447	0.778	0.25830102	NA
## 2520	54.76949	2074.4071	-0.1552291	0.846	0.30005081	NA
## 2522	54.75467	2448.3497	-0.0070491	0.918	0.34966454	NA
## 2524	54.82904	2365.4770	0.0475979	0.990	0.39927827	NA
## 2526	54.42399	2362.3226	-0.1066146	1.086	0.48070781	NA
## 2528	54.17331	2652.6464	0.0842214	1.182	0.56213734	NA
## 2530	53.84034	2405.8339	-0.0528164	1.294	0.66354517	96.49030
## 2532	53.57688	2452.9357	0.1012869	1.422	0.78493129	96.49820
## 2534	53.48837	1927.6553	-0.2802601	1.550	0.90631741	94.70060
## 2536	53.15272	1763.5449	0.0412626	1.754	1.07173720	95.04780
## 2538	53.05297	1925.2574	0.1569567	1.958	1.23715700	95.85270
## 2540	52.84647	1825.4847	-0.0740485	2.198	1.40691740	97.47250
## 2542	52.60032	1815.9433	0.0085387	2.474	1.58101840	98.84280
## 2544	52.46095	1959.2267	-0.1174517	2.750	1.75511940	94.49430
## 2546	52.07803	1715.0918	-0.0283594	2.922	1.97737470	82.37720
## 2548	51.86138	1753.4407	-0.0217385	3.094	2.19963000	NA
## 2550	51.50724	1059.6054	-0.2044520	3.218	2.34871020	78.66370

## 2552	51.12956	945.9882	-0.2842197	3.294	2.42461530	76.77890
## 2554	50.99512	780.6193	-0.0002847	3.370	2.50052030	78.47570
## 2556	50.69608	680.3375	-0.0227056	3.370	2.52899540	NA
## 2558	50.70160	603.6898	0.0161419	3.370	2.55747050	51.29420
## 2560	50.63027	485.5115	-0.0338998	3.394	2.58639050	NA
## 2562	50.58161	512.0378	0.0462413	3.442	2.61575550	NA
## 2564	50.65220	585.3475	0.0788851	3.490	2.64512040	NA
## 2566	50.57028	337.2641	-0.1327281	3.558	2.73709340	88.94090
## 2568	50.68920	336.8045	-0.0339494	3.626	2.82906640	96.10540
## 2570	50.79449	691.3163	0.1978478	NA	NA	97.03490
## 2572	50.92193	1197.5467	0.3944206	NA	NA	102.90300
## 2574	51.22373	NA	NA	NA	NA	NA
## 2576	56.56325	NA	NA	0.826	0.47589342	NA
## 2578	56.42202	NA	NA	0.898	0.48962895	NA
## 2580	55.70175	NA	NA	0.970	0.50336447	NA
## 2582	55.76520	NA	NA	1.038	0.53261282	NA
## 2584	55.40000	NA	NA	1.106	0.56186118	NA
## 2586	54.75285	1039.0341	0.0371432	1.226	0.67016589	NA
## 2588	54.51264	1198.7294	0.0298271	1.398	0.85752696	NA
## 2590	54.01709	1251.4351	-0.0001740	1.570	1.04488800	NA
## 2592	53.39806	1219.6013	-0.0055919	1.778	1.24138320	NA
## 2594	53.05810	1333.7873	0.0448484	1.986	1.43787830	NA
## 2596	52.73775	1468.6128	0.0342727	2.328	1.79840940	112.73400
## 2598	52.23881	1486.7516	0.0066237	2.804	2.32297640	120.60600
## 2600	52.10728	1710.6984	-0.0542908	3.280	2.84754340	124.67200
## 2602	51.80723	1688.3851	-0.0283451	3.636	3.21097000	125.56700
## 2604	51.70455	1932.9288	0.1326332	3.992	3.57439650	127.10800
## 2606	51.50215	2572.8875	0.1141424	4.330	3.95561510	129.53600
## 2608	51.51822	3290.1882	0.1695137	4.650	4.35462570	131.00000
## 2610	51.81644	3687.0319	-0.0360165	4.970	4.75363630	133.05600
## 2612	52.03620	2244.7317	-0.0309887	5.130	5.11614580	136.62000
## 2614	52.61803	2068.3631	0.0535660	5.290	5.47865530	128.91200
## 2616	52.96989	1997.3818	0.0595689	5.420	5.72483120	123.82800
## 2618	53.47759	1636.6380	0.0326099	5.520	5.85467370	123.42100
## 2620	54.10557	1343.1795	-0.0608287	5.620	5.98451610	120.38100
## 2622	54.37500	1456.6264	-0.0893793	5.640	5.97717240	111.73500
## 2624	54.57538	1456.4332	0.2373552	5.660	5.96982880	59.38990
## 2626	54.57967	2045.7393	-0.0948925	5.690	5.92645850	103.77100
## 2628	54.55635	2127.0769	-0.0085196	5.730	5.84706150	100.74300
## 2630	54.42099	3205.7385	0.2308440	5.770	5.76766460	111.85300
## 2632	54.22270	2947.0567	-0.1723399	5.838	5.78930090	109.61300
## 2634	54.25101	3141.0294	-0.0232639	5.906	5.81093720	111.06300
## 2636	54.02299	5339.3527	0.0880718	NA	NA	113.31700
## 2638	53.80064	5019.3275	-0.0246410	NA	NA	NA
## 2640	53.65959	NA	NA	NA	NA	NA
## 2642	53.20911	3294.3384	0.0220156	3.592	3.68095160	NA
## 2644	53.30739	4366.3302	0.1602526	3.676	3.77801740	NA
## 2646	53.00546	4586.5910	0.0302267	3.760	3.87508330	NA
## 2648	52.63158	4449.1575	0.0360928	3.812	3.95065880	NA
## 2650	52.21519	4557.3838	-0.0440960	3.864	4.02623440	NA
## 2652	51.84094	4456.0876	-0.0498657	3.936	4.12676200	NA
## 2654	51.91781	4702.9836	0.0238647	4.028	4.25224180	NA
## 2656	52.30179	5042.8191	0.0421791	4.120	4.37772160	NA
## 2658	52.39808	5283.2403	0.0134039	4.048	4.29888420	NA

## 2660	52.48307	5574.8518	0.0262928	3.976	4.22004690	NA
## 2662	53.26203	5936.2827	0.0033369	4.182	4.45331030	107.28500
## 2664	54.67480	6489.3239	0.0437469	4.666	4.99867440	108.97000
## 2666	56.13527	6424.3235	0.0367718	5.150	5.54403860	104.81100
## 2668	57.33945	7818.5406	0.1132870	5.534	5.93075820	106.99800
## 2670	58.52174	7893.2631	0.0002594	5.918	6.31747780	105.22800
## 2672	59.35697	7035.1384	-0.0916100	6.228	6.64890540	105.23200
## 2674	60.14041	6551.5000	-0.0080624	6.464	6.92504090	101.14900
## 2676	60.35503	6949.2510	0.0067482	6.700	7.20117640	99.92020
## 2678	60.43570	7219.3403	-0.0388031	6.864	7.39034620	101.09400
## 2680	60.25384	7390.5395	0.0188999	7.028	7.57951600	102.11700
## 2682	60.27919	7345.9641	0.0031052	7.172	7.73608750	103.79700
## 2684	60.63894	8291.3417	0.0535049	7.296	7.86006060	106.00500
## 2686	61.26074	8804.7232	0.0206347	7.420	7.98403380	107.24300
## 2688	62.06332	9005.3444	0.0459232	7.532	8.12967650	108.30900
## 2690	63.10021	10227.3693	0.0616760	7.644	8.27531920	116.22000
## 2692	63.98795	9638.3581	-0.0193100	7.784	8.44646470	112.83700
## 2694	65.17510	10044.1722	0.0344477	7.952	8.64311310	NA
## 2696	66.10009	10407.2084	0.0178967	8.120	8.83976150	112.97100
## 2698	67.04911	11554.7094	0.0525379	8.060	8.82883310	114.01100
## 2700	67.58929	12070.1572	0.0323505	8.000	8.81790470	117.03200
## 2702	68.13235	12958.2715	0.0267801	NA	NA	115.97500
## 2704	68.43896	13775.1134	0.0253038	NA	NA	111.83300
## 2706	68.65112	NA	NA	NA	NA	109.81800
## 2708	54.63451	NA	NA	0.848	0.56391520	NA
## 2710	55.28397	NA	NA	0.864	0.55882250	NA
## 2712	55.66940	NA	NA	0.880	0.55372980	NA
## 2714	55.46218	NA	NA	0.912	0.55365497	NA
## 2716	55.19757	NA	NA	0.944	0.55358014	NA
## 2718	54.69016	1797.5399	-0.0200043	0.980	0.56376190	NA
## 2720	54.01267	2058.8837	0.1213384	1.020	0.58420026	NA
## 2722	53.49292	2036.3962	-0.1503682	1.060	0.60463862	NA
## 2724	52.56757	2194.8803	0.0041170	1.152	0.65928230	NA
## 2726	51.86413	2591.1113	0.0722694	1.244	0.71392598	NA
## 2728	51.25190	2604.9310	-0.0519571	1.374	0.78347303	62.11530
## 2730	50.72765	2705.0355	0.0420094	1.542	0.86792345	62.66650
## 2732	50.50633	2691.9327	-0.0610919	1.710	0.95237386	63.98070
## 2734	49.97108	3323.7088	0.0825863	1.850	1.06953900	66.17290
## 2736	49.78825	3166.2676	-0.0537720	1.990	1.18670420	72.21610
## 2738	49.69653	2390.5707	-0.0130486	2.122	1.31088410	75.75250
## 2740	49.74325	2326.2461	-0.0060844	2.246	1.44207890	75.92460
## 2742	50.00000	2741.7762	0.0878797	2.370	1.57327360	72.01320
## 2744	50.13374	2489.6930	-0.0794291	2.498	1.72585630	70.13020
## 2746	50.47957	2592.1745	0.0589242	2.626	1.87843890	70.98550
## 2748	50.87603	2272.6542	-0.0169845	2.812	2.10553670	69.42200
## 2750	51.38632	2231.8976	-0.0281320	3.056	2.40714950	67.55940
## 2752	51.94637	2405.9076	0.0541687	3.300	2.70876230	70.30520
## 2754	52.13559	2518.6353	-0.0131822	3.528	2.96838400	71.78510
## 2756	52.38034	2479.8858	-0.0229535	3.756	3.22800570	74.85080
## 2758	52.43170	2385.3852	0.0992937	3.948	3.44651180	76.50720
## 2760	52.27888	2222.5333	-0.0809784	4.104	3.62390210	72.44080
## 2762	52.28277	2070.1371	-0.0202694	4.260	3.80129250	NA
## 2764	52.41199	2140.4096	-0.0012746	4.416	4.01337660	69.65470
## 2766	52.70649	2570.5441	0.0737863	4.572	4.22546070	72.95070

## 2768	53.14574	2615.4909	-0.0637541	NA	NA	81.55930
## 2770	53.69969	3170.0218	0.0609970	NA	NA	86.54440
## 2772	54.28059	NA	NA	NA	NA	93.63450
## 2774	66.14173	NA	NA	5.728	5.35975930	NA
## 2776	66.50532	NA	NA	5.864	5.46750880	NA
## 2778	66.49215	NA	NA	6.000	5.57525830	NA
## 2780	66.30740	NA	NA	6.164	5.80501980	NA
## 2782	65.91224	NA	NA	6.328	6.03478130	NA
## 2784	65.93707	NA	NA	6.454	6.22814430	NA
## 2786	66.08029	NA	NA	6.542	6.38510860	NA
## 2788	66.54757	NA	NA	6.630	6.54207300	NA
## 2790	66.74048	NA	NA	6.802	6.78660710	NA
## 2792	67.03297	NA	NA	6.974	7.03114130	NA
## 2794	67.20524	NA	NA	7.174	7.30714680	NA
## 2796	66.79688	NA	NA	7.402	7.61462340	NA
## 2798	66.58042	NA	NA	7.630	7.92210010	NA
## 2800	66.38152	NA	NA	7.794	8.19636040	NA
## 2802	66.34167	NA	NA	7.958	8.47062060	NA
## 2804	66.56879	NA	NA	8.120	8.74845130	NA
## 2806	66.97095	NA	NA	8.280	9.02985230	NA
## 2808	67.29663	NA	NA	8.440	9.31125340	NA
## 2810	67.11491	NA	NA	8.492	9.28464060	NA
## 2812	66.95087	NA	NA	8.544	9.25802780	NA
## 2814	66.63948	11275.5312	-0.2351227	8.672	9.36893440	NA
## 2816	66.30884	9301.2817	-0.0769396	8.876	9.61736040	80.23970
## 2818	65.85570	10750.5026	0.0713367	9.080	9.86578640	84.81210
## 2820	65.74232	12754.8828	0.0996151	9.332	10.09469100	87.28220
## 2822	65.19481	13557.2996	0.0058384	9.584	10.32359600	93.12050
## 2824	64.97595	14260.9592	0.0232067	9.884	10.64990400	97.08650
## 2826	64.86605	15797.0665	0.0581484	10.232	11.07361400	101.72600
## 2828	64.84581	17015.1165	0.0218678	10.580	11.49732400	103.31900
## 2830	64.92471	20270.2767	0.1095381	10.868	11.72696200	97.70210
## 2832	64.77931	20522.4594	-0.0406437	11.156	11.95660000	91.64960
## 2834	64.54219	20671.7494	0.0405693	NA	NA	93.39820
## 2836	64.28571	21448.0829	0.0099134	NA	NA	98.30230
## 2838	63.87244	NA	NA	NA	NA	97.96410
## 2840	59.06453	NA	NA	3.506	3.72570190	NA
## 2842	59.03890	NA	NA	3.538	3.77064460	NA
## 2844	59.44671	NA	NA	3.570	3.81558740	NA
## 2846	59.92725	NA	NA	3.738	3.99512840	NA
## 2848	60.50248	NA	NA	3.906	4.17466940	NA
## 2850	60.43710	NA	NA	4.090	4.36886240	NA
## 2852	59.23448	NA	NA	4.290	4.57770720	NA
## 2854	58.23303	NA	NA	4.490	4.78655210	NA
## 2856	57.26601	NA	NA	4.814	5.12795820	NA
## 2858	57.24810	NA	NA	5.138	5.46936440	NA
## 2860	56.90050	NA	NA	5.486	5.83170610	116.62900
## 2862	56.09648	NA	NA	5.858	6.21498330	118.37800
## 2864	56.15732	NA	NA	6.230	6.59826060	120.61200
## 2866	57.41637	NA	NA	6.962	7.17114380	120.79400
## 2868	59.74726	NA	NA	7.694	7.74402700	114.72000
## 2870	61.89112	NA	NA	8.066	8.25076710	105.94600
## 2872	63.51297	NA	NA	8.078	8.69136390	104.22200
## 2874	64.96701	NA	NA	8.090	9.13196080	102.20800

## 2876	66.20879	NA	NA	8.270	9.43814680	102.60300
## 2878	67.49952	NA	NA	8.450	9.74433280	101.02200
## 2880	67.93273	NA	NA	8.592	10.00704100	98.05560
## 2882	67.99776	NA	NA	8.696	10.22627200	100.06800
## 2884	67.87297	NA	NA	8.800	10.44550300	101.23600
## 2886	67.94075	NA	NA	8.844	10.54329100	104.49200
## 2888	67.84548	NA	NA	8.888	10.64108000	102.00100
## 2890	68.09009	NA	NA	9.030	10.77254300	100.64200
## 2892	68.70407	NA	NA	9.270	10.93768000	98.44240
## 2894	69.17307	NA	NA	9.510	11.10281800	98.86560
## 2896	69.42414	NA	NA	9.770	11.29608600	100.05100
## 2898	69.39103	NA	NA	10.030	11.48935300	102.26000
## 2900	69.36601	NA	NA	NA	NA	101.35800
## 2902	69.30290	NA	NA	NA	NA	97.55180
## 2904	69.10727	NA	NA	NA	NA	97.55090
## 2906	56.06223	NA	NA	NA	NA	NA
## 2908	55.21689	NA	NA	NA	NA	NA
## 2910	54.70676	NA	NA	NA	NA	NA
## 2912	53.90754	NA	NA	NA	NA	NA
## 2914	53.36721	NA	NA	NA	NA	NA
## 2916	53.36126	NA	NA	NA	NA	NA
## 2918	53.93076	NA	NA	NA	NA	NA
## 2920	54.50729	NA	NA	NA	NA	NA
## 2922	54.88653	NA	NA	NA	NA	NA
## 2924	55.11072	NA	NA	NA	NA	NA
## 2926	55.79762	NA	NA	NA	NA	NA
## 2928	57.14380	NA	NA	NA	NA	NA
## 2930	58.66929	NA	NA	NA	NA	NA
## 2932	60.94989	NA	NA	NA	NA	NA
## 2934	62.95257	NA	NA	NA	NA	NA
## 2936	64.57730	NA	NA	NA	NA	NA
## 2938	65.59572	NA	NA	NA	NA	NA
## 2940	66.41405	NA	NA	NA	NA	NA
## 2942	66.51031	NA	NA	NA	NA	NA
## 2944	66.31549	NA	NA	NA	NA	NA
## 2946	66.09620	NA	NA	NA	NA	NA
## 2948	65.93575	NA	NA	NA	NA	NA
## 2950	65.72888	NA	NA	NA	NA	NA
## 2952	65.73656	NA	NA	NA	NA	NA
## 2954	65.82707	NA	NA	NA	NA	NA
## 2956	66.36911	NA	NA	NA	NA	NA
## 2958	66.94854	NA	NA	NA	NA	NA
## 2960	67.33017	29921.4979	NA	NA	NA	NA
## 2962	67.71617	29722.9266	-0.0030556	NA	NA	NA
## 2964	68.02186	28493.4417	-0.0319510	NA	NA	NA
## 2966	67.95467	27351.8611	-0.0136251	NA	NA	NA
## 2968	67.37276	26504.4676	-0.0177794	NA	NA	175.24400
## 2970	66.64659	NA	NA	NA	NA	NA
## 2972	61.41732	2908.3308	0.0435247	3.698	3.11632750	NA
## 2974	61.06870	3654.6880	0.1164131	3.974	3.47672440	NA
## 2976	60.37037	4127.4213	0.0083399	4.250	3.83712130	NA
## 2978	59.28571	4378.5230	-0.0445910	4.606	4.31833250	NA
## 2980	59.37500	3972.3660	0.0386658	4.962	4.79954370	NA
## 2982	58.70307	4248.8372	0.1116838	5.220	5.16376480	NA

## 2984	59.18367	5042.5982	-0.0001497	5.380	5.41099580	NA
## 2986	59.79730	5546.8165	0.2410936	5.540	5.65822690	NA
## 2988	59.46844	6386.4049	0.0861006	5.676	5.91888020	NA
## 2990	59.28339	7335.1066	0.1101246	5.812	6.17953340	NA
## 2992	60.38339	7927.4843	0.0745516	6.040	6.46839120	87.84450
## 2994	62.06897	8032.7224	-0.0281610	6.360	6.78545350	85.68870
## 2996	62.76923	5953.9044	-0.1904764	6.680	7.10251570	77.87020
## 2998	63.25301	9377.1484	0.2026815	7.008	7.53978440	77.75140
## 3000	64.79290	11801.9781	0.1337433	7.336	7.97705300	78.67790
## 3002	64.91228	12440.0732	-0.0015173	7.688	8.43318850	74.12520
## 3004	65.40698	13682.1552	0.0272427	8.064	8.90819070	70.61540
## 3006	64.65517	15579.1624	0.0246716	8.440	9.38319300	71.87870
## 3008	64.42577	17203.9736	0.0717964	8.720	9.79472060	81.02930
## 3010	64.32432	19796.9593	0.0770960	9.000	10.20624800	82.66810
## 3012	63.98964	20088.7869	-0.0351810	9.232	10.53965400	81.97220
## 3014	64.69136	20943.6499	-0.0374088	9.416	10.79493700	101.09900
## 3016	64.62264	23075.6286	0.0430832	9.600	11.05022000	99.88450
## 3018	65.15837	23087.2937	0.0144072	9.736	11.27892000	99.79350
## 3020	66.23094	25384.3934	0.0520277	9.872	11.50762000	97.43850
## 3022	67.08595	28105.8893	0.0456095	9.808	11.51773000	96.64960
## 3024	67.67677	27613.8734	-0.0214691	9.544	11.30925000	97.61050
## 3026	68.43137	30188.3403	0.0320311	9.280	11.10077000	100.85800
## 3028	69.02486	33741.9800	0.0559959	9.996	11.58051400	102.47400
## 3030	69.15888	35375.6746	-0.0224648	10.712	12.06025800	105.36500
## 3032	69.23077	33027.4018	-0.0582247	NA	NA	101.20100
## 3034	69.58855	29599.6949	-0.0768414	NA	NA	99.76200
## 3036	69.35201	NA	NA	NA	NA	99.30010
## 3038	66.96178	NA	NA	8.128	7.97231740	NA
## 3040	65.81341	NA	NA	8.184	8.04680770	NA
## 3042	65.00104	NA	NA	8.240	8.12129790	NA
## 3044	64.60778	NA	NA	8.284	8.20563580	NA
## 3046	64.56420	NA	NA	8.328	8.28997370	NA
## 3048	64.76537	NA	NA	8.474	8.46383910	NA
## 3050	65.11116	NA	NA	8.722	8.72723200	NA
## 3052	65.48021	NA	NA	8.970	8.99062490	NA
## 3054	65.63553	NA	NA	9.206	9.20250530	NA
## 3056	65.71655	NA	NA	9.442	9.41438560	NA
## 3058	65.43307	NA	NA	9.636	9.63412640	123.33500
## 3060	64.67148	NA	NA	9.788	9.86172770	128.80000
## 3062	63.71170	NA	NA	9.940	10.08932900	128.86300
## 3064	62.59280	NA	NA	10.048	10.27426700	122.49900
## 3066	61.80072	NA	NA	10.156	10.45920600	117.17500
## 3068	61.85296	NA	NA	10.254	10.64474700	97.56460
## 3070	62.73479	NA	NA	10.342	10.83089100	100.78000
## 3072	63.59013	NA	NA	10.430	11.01703400	98.20590
## 3074	63.92763	NA	NA	10.590	11.18036500	94.09850
## 3076	63.99247	NA	NA	10.750	11.34369500	92.09190
## 3078	64.46452	18519.9283	-0.1775141	11.062	11.59865500	96.52050
## 3080	65.45044	18295.1367	0.0229931	11.526	11.94524200	102.82000
## 3082	66.40948	19846.9427	0.0403318	11.990	12.29183000	104.71500
## 3084	67.03774	20455.1849	-0.0204229	12.270	12.45555500	101.90800
## 3086	67.61977	20396.5264	-0.0032587	12.550	12.61927900	103.16600
## 3088	68.33302	21938.7866	0.0531540	12.698	12.69741100	103.57900
## 3090	68.94185	22799.3594	0.0263577	12.714	12.68995000	99.20800



## 3092	69.34654	24418.9736	0.0190105	12.730	12.68249000	99.40910
## 3094	69.13907	28129.5427	0.0865374	12.758	12.67652600	103.37600
## 3096	68.71016	27920.2657	-0.0009842	12.786	12.67056100	106.17400
## 3098	67.69259	28976.1454	0.0476589	NA	NA	100.94900
## 3100	66.30009	30539.1096	0.0384769	NA	NA	98.94240
## 3102	64.79582	NA	NA	NA	NA	99.74700
## 3104	64.70046	9029.0447	-0.0480213	5.328	5.34239290	NA
## 3106	64.44444	9905.1980	0.0624189	4.964	4.98399000	NA
## 3108	64.04293	10115.7882	-0.0075121	4.600	4.62558700	NA
## 3110	63.95760	10689.5579	0.0374937	4.784	4.84749240	NA
## 3112	64.17976	11943.1258	0.0888805	4.968	5.06939780	NA
## 3114	64.30108	13236.1267	0.0547686	5.192	5.39601620	NA
## 3116	64.47925	14051.7010	0.0115995	5.456	5.82734770	NA
## 3118	64.52689	15830.1716	0.0405178	5.720	6.25867920	NA
## 3120	64.33854	16994.3800	0.0473623	6.144	6.80234990	NA
## 3122	63.90916	19138.7560	0.0693712	6.568	7.34602060	NA
## 3124	63.59632	19697.0213	0.0174408	6.916	7.84471940	95.90790
## 3126	63.23704	21553.8863	0.0510969	7.188	8.29844630	98.94010
## 3128	63.06306	20300.1847	-0.0133781	7.460	8.75217320	102.89800
## 3130	63.01476	22096.6911	0.0179815	7.732	9.13093490	100.85000
## 3132	63.21484	23488.2653	0.0293617	8.004	9.50969660	97.44360
## 3134	63.69942	22043.5298	-0.0454330	8.266	9.82775570	95.55270
## 3136	64.23892	22485.2310	0.0085526	8.518	10.08511200	98.06970
## 3138	64.82838	23679.4589	0.0252399	8.770	10.34246900	98.84620
## 3140	65.24085	25756.0363	0.0092955	9.002	10.77023000	98.92320
## 3142	65.35948	26076.1183	0.0135269	9.234	11.19799100	97.85650
## 3144	65.54364	26832.6796	0.0081120	9.488	11.53329700	98.30640
## 3146	65.61430	27299.0292	-0.0117254	9.764	11.77614800	98.60640
## 3148	65.49641	29993.4741	0.0375566	10.040	12.01899900	100.44600
## 3150	65.34283	33058.5610	0.0655031	10.332	12.16333500	NA
## 3152	65.07996	35338.5761	0.0217352	10.624	12.30767200	101.38400
## 3154	65.00370	36712.6035	-0.0058012	10.836	12.36212100	101.43000
## 3156	64.91357	35668.7294	-0.0438948	10.968	12.32668100	NA
## 3158	64.75320	36823.3056	-0.0078783	11.100	12.29124200	98.81240
## 3160	64.61204	40718.6793	0.0382957	11.180	12.18493500	100.07100
## 3162	64.38061	40392.9087	-0.0384541	11.260	12.07862800	99.59220
## 3164	64.09253	42747.1346	0.0185213	NA	NA	100.80200
## 3166	63.67808	44584.9788	0.0178642	NA	NA	101.56900
## 3168	63.18739	NA	NA	NA	NA	101.51600
## 3170	51.56250	NA	NA	NA	NA	NA
## 3172	56.18182	NA	NA	NA	NA	NA
## 3174	55.94571	NA	NA	NA	NA	NA
## 3176	53.03514	NA	NA	NA	NA	NA
## 3178	54.20000	NA	NA	NA	NA	NA
## 3180	52.79111	NA	NA	NA	NA	NA
## 3182	54.62353	NA	NA	NA	NA	NA
## 3184	53.42931	NA	NA	NA	NA	NA
## 3186	51.69394	NA	NA	NA	NA	NA
## 3188	53.70533	NA	NA	NA	NA	NA
## 3190	52.28706	7826.9190	0.0015888	NA	NA	24.62140
## 3192	51.69167	7547.3224	-0.0142202	NA	NA	25.75040
## 3194	52.60000	6918.8627	0.0217085	NA	NA	26.49390
## 3196	51.64783	5353.4046	-0.2252274	NA	NA	23.67990
## 3198	50.72515	4277.6392	-0.0489674	NA	NA	26.63080

## 3200	50.55538	4111.1074	-0.0112391	NA	NA	27.85060
## 3202	51.91692	3877.7637	-0.0132980	NA	NA	31.50130
## 3204	53.11905	3678.5374	-0.0295048	NA	NA	32.03710
## 3206	52.30913	3216.7489	-0.0809460	NA	NA	34.01440
## 3208	52.04281	2760.5305	-0.0839353	NA	NA	33.33410
## 3210	52.02237	2263.7977	-0.1727529	NA	NA	33.44940
## 3212	52.97547	3079.9397	0.2334161	NA	NA	31.04570
## 3214	53.42705	2600.1680	0.1258373	NA	NA	32.81920
## 3216	54.57595	2509.8462	0.0846553	NA	NA	31.52880
## 3218	54.80850	2710.1622	0.1065898	NA	NA	31.17950
## 3220	56.12712	2505.5663	-0.0329394	NA	NA	34.88390
## 3222	57.78324	2403.8213	0.0295186	NA	NA	38.80680
## 3224	59.37442	2561.3496	0.0368032	NA	NA	43.44110
## 3226	60.38995	2575.0932	-0.0379701	NA	NA	50.00480
## 3228	61.51078	2674.9855	-0.0139999	NA	NA	59.73520
## 3230	62.36181	2594.7455	-0.0191164	NA	NA	65.51170
## 3232	63.11884	2840.2591	0.0452042	NA	NA	67.27820
## 3234	63.07851	NA	NA	NA	NA	66.26310
## 3236	51.45470	2351.3049	NA	2.530	2.73989700	NA
## 3238	51.36399	2038.5632	-0.0587521	2.550	2.74220050	NA
## 3240	51.05762	2100.0879	-0.0347061	2.570	2.74450410	NA
## 3242	50.20436	2456.0807	0.1045384	2.646	2.78903110	NA
## 3244	49.49109	2237.3813	-0.0262384	2.722	2.83355820	NA
## 3246	48.92985	2366.4761	-0.0454111	2.826	2.91468370	NA
## 3248	48.49833	2917.6211	0.0285325	2.958	3.03240750	NA
## 3250	48.48801	2556.8027	-0.1485467	3.090	3.15013140	NA
## 3252	48.72549	2644.4017	-0.0049696	3.306	3.40987650	NA
## 3254	49.33025	2732.5334	0.0676308	3.522	3.66962150	NA
## 3256	49.97819	3324.0758	0.0697603	3.756	3.92892690	94.34350
## 3258	50.90834	3824.5049	0.0766525	4.008	4.18779250	98.28190
## 3260	51.95925	4406.1176	0.0650854	4.260	4.44665810	98.29730
## 3262	52.96310	4356.6462	0.0296803	4.548	4.75972730	102.69900
## 3264	53.88988	4246.6502	0.0173321	4.836	5.07279640	110.32800
## 3266	54.81682	4836.2486	0.0308809	5.088	5.38898590	115.17600
## 3268	55.54475	4881.2737	0.0266314	5.304	5.70829570	111.41000
## 3270	56.30435	4611.3951	-0.0164433	5.520	6.02760540	120.42600
## 3272	56.89193	4784.4271	0.0179386	5.720	6.35602350	NA
## 3274	57.46141	5013.9456	-0.0022535	5.920	6.68444160	NA
## 3276	57.97858	4750.8338	0.0131626	6.078	6.93087580	99.76830
## 3278	58.29371	5566.9211	0.0700035	6.194	7.09532610	101.39900
## 3280	58.76813	5935.7250	0.0293026	6.310	7.25977640	97.73640
## 3282	59.33120	6725.6714	0.0765953	6.578	7.63940920	100.56500
## 3284	59.98097	7548.0993	0.0376949	6.846	8.01904200	111.11800
## 3286	60.57604	7950.4550	0.0272961	7.064	8.29115600	NA
## 3288	61.04041	7933.3679	-0.0354900	7.232	8.45575110	112.87300
## 3290	61.52014	8608.4704	0.0597782	7.400	8.62034620	105.97700
## 3292	62.08202	10090.0731	0.0721016	7.580	8.76005270	111.90900
## 3294	62.63804	10483.3464	0.0430613	7.760	8.89975920	109.54300
## 3296	63.09713	11289.3209	0.0135012	NA	NA	105.83600
## 3298	63.43356	11905.6772	0.0233459	NA	NA	102.92800
## 3300	63.72586	NA	NA	NA	NA	103.49100
## 3302	54.63687	2055.9534	0.0019913	2.614	2.46968650	NA
## 3304	53.63781	2258.7314	0.0199518	2.742	2.61646900	NA
## 3306	53.22581	2459.1946	0.0130281	2.870	2.76325150	NA

## 3308	52.41280	2494.6776	0.0097151	3.010	2.91884990	NA
## 3310	52.14835	2534.5072	0.0214043	3.150	3.07444840	NA
## 3312	51.66809	2657.6419	0.0149684	3.356	3.30148910	NA
## 3314	51.09135	2684.7341	-0.0092096	3.628	3.59997220	NA
## 3316	50.89729	2800.5254	-0.0015283	3.900	3.89845520	NA
## 3318	50.88288	2935.8319	0.0412974	4.108	4.13420780	NA
## 3320	51.30997	2969.8920	-0.0044518	4.316	4.36996050	NA
## 3322	51.68756	3141.5245	0.0101337	4.520	4.60422260	97.56160
## 3324	52.12766	3628.1155	0.1165895	4.720	4.83699420	99.81870
## 3326	52.58918	4355.3459	-0.0135326	4.920	5.06976580	103.13600
## 3328	53.12244	5127.8004	0.0860968	5.412	5.63112760	105.61300
## 3330	53.71281	5562.0801	0.0718174	5.904	6.19248930	112.42400
## 3332	54.41140	5709.2412	-0.0101166	6.232	6.56270000	118.15500
## 3334	55.11682	5293.2906	-0.0606718	6.396	6.74175970	121.28800
## 3336	55.94577	5314.0119	-0.0015974	6.560	6.92081930	122.49600
## 3338	56.61096	4612.7671	-0.0706310	6.736	7.12700570	125.52700
## 3340	57.33280	4781.4132	0.0042515	6.912	7.33319220	124.42600
## 3342	57.94428	5023.3869	0.0034151	7.020	7.47217440	121.84400
## 3344	58.53972	4824.0151	-0.0480909	7.060	7.54395250	126.89600
## 3346	59.15394	4941.4706	-0.0058537	7.100	7.61573050	109.73600
## 3348	59.60956	5072.6794	0.0154581	7.100	7.65269620	112.92700
## 3350	60.13590	4791.6345	-0.0305805	7.100	7.68966180	110.79800
## 3352	60.67696	5216.2682	0.0165329	7.154	7.79563010	112.28000
## 3354	61.34821	5978.2015	0.0557070	7.262	7.97060100	112.55400
## 3356	61.93671	7242.9690	0.1018991	7.370	8.14557190	111.72900
## 3358	62.55991	8016.7082	0.0328302	7.462	8.30101210	112.93400
## 3360	63.07399	8500.4423	-0.0290670	7.554	8.45645230	110.77600
## 3362	63.54647	9836.3732	0.0932465	NA	NA	116.80000
## 3364	64.05671	10630.3813	0.0339890	NA	NA	115.07300
## 3366	64.39985	NA	NA	NA	NA	113.81700
## 3368	58.38603	613.1667	0.0145159	0.550	0.20405490	NA
## 3370	58.31009	542.9873	-0.0208321	0.610	0.24869979	NA
## 3372	57.57291	575.4892	0.0221739	0.670	0.29334468	NA
## 3374	56.37116	591.7187	0.0165653	0.726	0.33818937	NA
## 3376	55.17719	637.8282	0.0843315	0.782	0.38303406	NA
## 3378	54.51829	657.4761	0.0175428	0.856	0.45246119	NA
## 3380	54.59134	722.6293	0.0631151	0.948	0.54647075	NA
## 3382	54.84104	808.0839	0.0146837	1.040	0.64048032	NA
## 3384	54.60337	826.4530	0.0133452	1.148	0.74245334	NA
## 3386	54.46700	942.7234	0.0525618	1.256	0.84442636	NA
## 3388	54.55995	1045.8538	-0.0026193	1.386	0.97724032	69.27940
## 3390	54.87605	1080.0132	-0.0102167	1.538	1.14089520	70.93170
## 3392	55.29098	1191.2533	0.0201583	1.690	1.30455020	69.99850
## 3394	55.38931	1247.4390	0.0340743	2.074	1.60256280	69.19310
## 3396	55.44370	1241.7589	-0.0304484	2.458	1.90057540	69.73150
## 3398	55.39536	1453.4962	0.1535697	2.872	2.25577770	72.68300
## 3400	55.36597	1598.6005	0.1156096	3.316	2.66816980	77.72020
## 3402	55.21660	1836.2640	0.0410671	3.760	3.08056180	82.26030
## 3404	54.83635	1811.8823	0.0029683	4.020	3.41675110	86.20510
## 3406	54.53518	1891.5425	0.0811892	4.280	3.75294030	88.71640
## 3408	54.49104	2347.3641	0.1265807	4.552	4.11303240	92.66030
## 3410	54.89717	2883.4687	0.1235118	4.836	4.49702740	85.02540
## 3412	55.61570	3733.2080	0.1442366	5.120	4.88102250	86.70760
## 3414	56.72796	4553.7392	0.0278072	5.484	5.31937530	94.52640

## 3416	57.91287	4687.5496	0.0360804	5.848	5.75772820	93.31130
## 3418	59.25723	4962.8245	0.0286493	6.156	6.14523250	94.58930
## 3420	60.60758	5114.6451	0.0203428	6.408	6.48188820	97.97000
## 3422	61.80742	5363.2731	0.0172701	6.660	6.81854380	100.30500
## 3424	62.55816	6552.6929	0.1070890	6.856	7.15635640	105.15500
## 3426	63.04948	7831.2406	0.0767145	7.052	7.49416900	107.66400
## 3428	62.94350	9891.4954	0.1174049	NA	NA	102.05300
## 3430	62.16154	9896.3018	0.0078440	NA	NA	105.53600
## 3432	61.56004	NA	NA	NA	NA	NA
## 3434	53.79189	694.2644	0.0312834	1.560	1.46233200	NA
## 3436	53.68332	745.7768	0.0412908	1.620	1.51081370	NA
## 3438	53.60324	775.4945	0.0078812	1.680	1.55929550	NA
## 3440	52.93210	823.7967	0.0475526	1.796	1.67648800	NA
## 3442	52.56598	748.8296	-0.0221901	1.912	1.79368050	NA
## 3444	52.15278	733.0181	-0.0044999	2.048	1.94099110	NA
## 3446	51.57480	783.8437	0.0006757	2.204	2.11841980	NA
## 3448	51.39492	858.8546	0.0384178	2.360	2.29584850	NA
## 3450	51.08632	900.0527	0.0200248	2.548	2.51771220	NA
## 3452	51.28062	869.9371	-0.0030575	2.736	2.73957580	NA
## 3454	51.69133	903.0204	-0.0157180	2.912	2.95356090	84.97300
## 3456	51.85743	982.4588	0.0456338	3.076	3.15966740	88.99320
## 3458	52.34450	962.4680	0.0146351	3.240	3.36577390	93.13120
## 3460	52.74474	1258.8563	0.1418090	3.380	3.56494540	97.28260
## 3462	53.14010	1139.6092	-0.0168996	3.520	3.76411680	101.81400
## 3464	53.62135	893.9842	-0.1276121	3.722	4.05643220	77.12740
## 3466	54.08289	862.8585	0.0138531	3.986	4.44189150	89.52230
## 3468	54.68314	936.3032	0.0420003	4.250	4.82735080	NA
## 3470	55.58140	999.9426	-0.0013390	4.418	5.05771060	103.02700
## 3472	56.33484	1069.5863	0.0167508	4.586	5.28807040	102.20900
## 3474	57.16905	1115.4845	0.0568118	4.820	5.54444610	100.01500
## 3476	58.09558	1345.0135	0.1088996	5.120	5.82683760	103.71900
## 3478	58.81739	1667.4110	0.1160421	5.420	6.10922920	103.83100
## 3480	59.31222	1908.7167	0.0808806	5.888	6.62484300	78.91780
## 3482	59.71897	2205.5732	0.0677638	6.356	7.14045680	113.79500
## 3484	60.16474	2530.3844	0.0797834	6.740	7.60961210	115.11000
## 3486	60.74797	2940.2690	0.0743623	7.040	8.03230880	119.38700
## 3488	61.45934	3524.7375	0.1070032	7.340	8.45500550	123.34000
## 3490	62.41248	4502.5416	0.1267662	7.512	8.42947130	129.88100
## 3492	63.37539	5411.7108	0.0780525	7.684	8.40393710	120.82600
## 3494	64.41526	7459.1588	0.1783094	NA	NA	119.79200
## 3496	65.50868	7675.7431	0.0095825	NA	NA	115.26200
## 3498	66.31806	NA	NA	NA	NA	109.17900
## 3500	59.82906	NA	NA	NA	NA	NA
## 3502	58.82353	NA	NA	NA	NA	NA
## 3504	57.85124	NA	NA	NA	NA	NA
## 3506	58.06452	NA	NA	NA	NA	NA
## 3508	58.26772	NA	NA	NA	NA	NA
## 3510	59.23077	465.4703	0.0079050	NA	NA	NA
## 3512	57.89474	622.8197	0.2757235	NA	NA	NA
## 3514	56.52174	535.9904	-0.0997248	NA	NA	NA
## 3516	56.94444	651.5135	0.0634685	NA	NA	NA
## 3518	57.71812	742.8129	0.0295525	NA	NA	NA
## 3520	56.55172	645.7220	0.0876551	NA	NA	90.93260
## 3522	52.98507	780.6107	0.1192017	NA	NA	NA

## 3524	50.81967	1001.6678	0.1843119	NA	NA	NA
## 3526	50.00000	1209.1424	0.1081281	NA	NA	NA
## 3528	50.45045	1060.5597	-0.0347548	NA	NA	NA
## 3530	54.23729	1042.6970	-0.0185919	NA	NA	136.64700
## 3532	56.61765	1052.2282	0.0996189	NA	NA	171.53400
## 3534	59.09091	785.7271	-0.2417207	NA	NA	NA
## 3536	57.73810	517.4974	-0.2177076	NA	NA	NA
## 3538	56.98324	652.6188	0.1044164	NA	NA	NA
## 3540	56.02094	450.9833	-0.0732374	NA	NA	NA
## 3542	53.17073	542.1969	0.0404577	NA	NA	149.67400
## 3544	53.42466	631.9492	0.5256872	NA	NA	NA
## 3546	52.13675	2044.8777	0.7377687	NA	NA	NA
## 3548	50.99602	2559.7154	0.4450154	NA	NA	110.82400
## 3550	51.86567	5220.9243	0.2629271	NA	NA	109.64200
## 3552	52.79720	8514.5235	-0.1426210	NA	NA	98.08410
## 3554	54.09836	18133.9642	0.3232174	NA	NA	96.20430
## 3556	54.93827	21337.8579	0.1380873	NA	NA	NA
## 3558	55.52326	19421.4861	-0.4982452	NA	NA	80.70520
## 3560	56.01093	40615.4950	0.3665304	NA	NA	81.54580
## 3562	56.44330	41711.9392	0.0649843	NA	NA	NA
## 3564	57.28155	NA	NA	NA	NA	79.12030
## 3566	52.12947	NA	NA	NA	NA	NA
## 3568	52.37316	NA	NA	NA	NA	NA
## 3570	52.27630	NA	NA	NA	NA	NA
## 3572	52.03008	NA	NA	NA	NA	NA
## 3574	52.37410	NA	NA	NA	NA	NA
## 3576	52.67490	NA	NA	NA	NA	NA
## 3578	53.33333	NA	NA	NA	NA	NA
## 3580	53.67372	NA	NA	NA	NA	NA
## 3582	53.37278	NA	NA	NA	NA	NA
## 3584	53.03371	NA	NA	NA	NA	NA
## 3586	52.87846	NA	NA	NA	NA	NA
## 3588	52.67407	NA	NA	NA	NA	NA
## 3590	52.62655	NA	NA	NA	NA	NA
## 3592	52.53165	NA	NA	NA	NA	NA
## 3594	52.30769	NA	NA	NA	NA	NA
## 3596	52.30024	NA	NA	NA	NA	NA
## 3598	52.17391	NA	NA	NA	NA	NA
## 3600	52.08633	NA	NA	NA	NA	NA
## 3602	51.82679	NA	NA	NA	NA	NA
## 3604	51.63776	NA	NA	NA	NA	25.24180
## 3606	51.09994	NA	NA	NA	NA	20.29840
## 3608	50.06305	NA	NA	NA	NA	38.16930
## 3610	49.15254	NA	NA	NA	NA	43.95250
## 3612	50.27422	NA	NA	NA	NA	45.43130
## 3614	51.76812	NA	NA	NA	NA	48.51980
## 3616	53.21351	NA	NA	NA	NA	55.27160
## 3618	54.94673	NA	NA	NA	NA	67.14530
## 3620	56.35412	NA	NA	NA	NA	70.63190
## 3622	56.18487	NA	NA	NA	NA	61.28170
## 3624	55.89387	NA	NA	NA	NA	53.10300
## 3626	55.53236	NA	NA	NA	NA	51.25680
## 3628	55.14618	NA	NA	NA	NA	58.08540
## 3630	54.92526	NA	NA	NA	NA	49.63710

## 3632	65.56604	NA	NA	6.170	6.46965470	NA
## 3634	66.25387	NA	NA	6.250	6.57828420	NA
## 3636	66.87023	NA	NA	6.330	6.68691370	NA
## 3638	67.06767	NA	NA	6.486	6.90142200	NA
## 3640	66.91395	NA	NA	6.642	7.11593030	NA
## 3642	66.42336	NA	NA	6.782	7.32978880	NA
## 3644	66.14060	NA	NA	6.906	7.54299760	NA
## 3646	65.86742	NA	NA	7.030	7.75620630	NA
## 3648	65.60333	NA	NA	7.170	7.98858730	NA
## 3650	65.30055	NA	NA	7.310	8.22096830	NA
## 3652	64.91935	NA	NA	7.498	8.48794870	NA
## 3654	64.55026	NA	NA	7.734	8.78952850	NA
## 3656	64.53716	NA	NA	7.970	9.09110830	NA
## 3658	64.35006	NA	NA	8.166	9.35532090	NA
## 3660	64.29479	NA	NA	8.362	9.61953360	NA
## 3662	64.32161	NA	NA	8.540	9.87184500	102.88900
## 3664	64.59627	NA	NA	8.700	10.11225500	102.12000
## 3666	64.98771	NA	NA	8.860	10.35266500	103.26000
## 3668	64.61353	NA	NA	8.992	10.47245500	111.90300
## 3670	64.23445	NA	NA	9.124	10.59224600	113.24000
## 3672	64.24242	12550.4983	0.0943680	9.428	10.85726400	92.24130
## 3674	63.73902	9188.4398	-0.0300169	9.904	11.26751000	89.63660
## 3676	63.89610	10051.1116	0.1043444	10.380	11.67775600	91.73920
## 3678	64.55026	9985.5354	0.0796576	10.792	11.91551900	97.21170
## 3680	65.06667	11472.7390	0.0463181	11.204	12.15328200	101.38100
## 3682	65.14132	13165.4435	0.0515690	11.482	12.28294000	103.77500
## 3684	65.39510	15059.6040	0.0636625	11.626	12.30449400	101.18200
## 3686	65.28926	17870.9348	0.0860023	11.770	12.32604700	98.91070
## 3688	64.86111	22772.1679	0.1277571	11.906	12.40184400	98.90330
## 3690	64.70588	20995.2740	-0.0949812	12.042	12.47764000	103.07100
## 3692	63.75176	24528.7365	0.1173582	NA	NA	101.71500
## 3694	63.06818	27559.8847	0.0340424	NA	NA	100.69600
## 3696	61.60458	NA	NA	NA	NA	98.41120
## 3698	52.97344	377.8300	0.1163435	NA	NA	NA
## 3700	53.09588	402.0343	0.0405860	NA	NA	NA
## 3702	53.45154	400.0118	0.0019541	NA	NA	NA
## 3704	53.40289	409.4696	-0.0083008	NA	NA	NA
## 3706	53.68025	426.2465	0.0644441	NA	NA	NA
## 3708	53.77598	451.5350	0.0176635	NA	NA	NA
## 3710	53.78186	463.2296	0.0100784	NA	NA	NA
## 3712	53.88102	511.6384	0.0474224	NA	NA	NA
## 3714	53.52816	516.2068	-0.0023789	NA	NA	NA
## 3716	53.38611	557.5308	0.0518684	NA	NA	NA
## 3718	53.06970	541.8861	-0.0041738	NA	NA	15.02950
## 3720	52.62786	603.7431	0.0056849	NA	NA	16.25660
## 3722	52.44588	610.2186	0.0649934	NA	NA	19.23630
## 3724	52.36685	609.4063	-0.0274272	NA	NA	22.95120
## 3726	52.31265	614.8470	-0.0401940	NA	NA	26.30670
## 3728	51.85614	764.2859	0.1055903	NA	NA	39.08020
## 3730	51.43868	966.3140	0.1387515	NA	NA	42.35130
## 3732	51.26966	869.5448	-0.1539574	NA	NA	37.50720
## 3734	51.00853	833.7880	-0.0618849	NA	NA	40.15070
## 3736	50.94704	799.0916	-0.0084906	NA	NA	39.23820
## 3738	50.82545	775.6824	-0.1106634	NA	NA	31.58750

## 3740	50.76275	677.9677	0.0143867	NA	NA	21.68400
## 3742	50.90415	631.4105	0.0568819	NA	NA	29.15620
## 3744	50.75160	652.8063	0.0584393	NA	NA	40.46820
## 3746	50.82028	550.2633	-0.0236959	NA	NA	49.53930
## 3748	50.86471	566.3940	0.0673676	NA	NA	60.37120
## 3750	50.95161	482.3295	-0.0325475	NA	NA	64.88960
## 3752	51.20077	630.5446	0.1276999	NA	NA	79.09100
## 3754	51.61975	767.2013	0.1805186	NA	NA	89.32130
## 3756	52.28501	838.6365	-0.0022945	NA	NA	93.70030
## 3758	53.19130	1077.2997	0.1498232	NA	NA	94.70570
## 3760	54.24373	1246.0712	0.0664015	NA	NA	NA
## 3762	55.38437	NA	NA	NA	NA	102.12200
## 3764	48.95105	NA	NA	3.700	3.59430590	NA
## 3766	49.35065	NA	NA	3.860	3.73195020	NA
## 3768	50.00000	NA	NA	4.020	3.86959450	NA
## 3770	48.85057	NA	NA	4.200	4.02119200	NA
## 3772	49.18919	NA	NA	4.380	4.17278950	NA
## 3774	48.98990	2805.5892	-0.0062904	4.612	4.39003570	NA
## 3776	50.23474	3186.8036	0.1446743	4.896	4.67293040	NA
## 3778	51.54185	2759.5454	-0.2454348	5.180	4.95582510	NA
## 3780	52.30126	2920.6600	0.0425596	5.336	5.15611800	NA
## 3782	52.80000	3274.7049	0.0265503	5.492	5.35641100	NA
## 3784	55.34351	3711.3574	0.0468721	5.706	5.63823910	109.98900
## 3786	56.04396	4313.7414	0.0922003	5.978	6.00160240	115.61500
## 3788	57.89474	4943.3950	0.0746765	6.250	6.36496570	117.51100
## 3790	57.77027	5060.4249	0.0370989	6.566	6.75127760	112.70000
## 3792	58.30619	5744.2570	0.1156702	6.882	7.13758940	106.76100
## 3794	58.56698	5162.4552	-0.0931158	7.156	7.48814580	105.28200
## 3796	58.87574	4751.7567	-0.0407829	7.388	7.80294660	102.58700
## 3798	58.40456	4981.8323	0.0119505	7.620	8.11774740	102.09700
## 3800	58.42697	4979.2094	-0.0063457	8.200	8.70402550	104.85800
## 3802	58.54342	5488.7204	0.0770712	8.780	9.29030360	NA
## 3804	58.83978	5723.1458	-0.0352850	9.278	9.78161850	108.71500
## 3806	59.83827	5906.3882	0.0033283	9.694	10.17797000	NA
## 3808	60.89239	6125.6549	0.0092926	10.110	10.57432200	106.94000
## 3810	61.02564	6061.9006	-0.0504789	9.970	10.49651800	105.13800
## 3812	61.46096	6283.9425	0.0513344	9.830	10.41871500	103.74600
## 3814	62.75000	6053.9139	0.0003548	9.684	10.34678700	103.98300
## 3816	64.08978	6099.8145	-0.0076876	9.532	10.28073600	108.59600
## 3818	65.50868	6218.2964	-0.0115070	9.380	10.21468500	NA
## 3820	65.28117	6469.8598	0.0011396	9.612	10.51864500	107.53000
## 3822	65.70743	6651.7230	0.0106001	9.844	10.82260500	105.11500
## 3824	65.88235	7330.1688	0.0561676	NA	NA	104.84300
## 3826	65.27778	7661.7661	0.0372667	NA	NA	105.54700
## 3828	65.14806	NA	NA	NA	NA	105.54500
## 3830	63.67077	7028.6998	0.1647882	3.890	4.03598540	NA
## 3832	63.33333	6686.9287	-0.0511637	3.950	4.08730920	NA
## 3834	62.74955	8041.2019	0.0811863	4.010	4.13863290	NA
## 3836	62.49443	7983.4261	-0.0148573	4.078	4.22524870	NA
## 3838	62.23684	8456.2483	0.0666838	4.146	4.31186460	NA
## 3840	62.54325	10159.1087	0.0905752	4.312	4.51387540	NA
## 3842	63.54701	10410.6043	0.0144367	4.576	4.83128130	NA
## 3844	64.42186	11606.7648	0.0639477	4.840	5.14868710	NA
## 3846	65.02110	12064.5311	0.0157862	5.196	5.59583990	NA

## 3848	65.31987	13861.8946	0.1024055	5.552	6.04299260	NA
## 3850	65.77406	15269.0297	0.0119057	5.932	6.53144970	81.80900
## 3852	65.96186	17291.3112	0.0676174	6.336	7.06121120	82.27540
## 3854	66.14626	17544.3763	-0.0104599	6.740	7.59097260	89.91320
## 3856	66.05392	17245.3339	-0.0130358	7.068	8.04981830	100.72000
## 3858	65.97561	19039.3114	0.0799208	7.396	8.50866400	98.26140
## 3860	65.83300	19585.5147	-0.0079584	7.536	8.72667840	96.20060
## 3862	66.02794	19912.4244	0.0066576	7.488	8.70386150	100.07500
## 3864	65.91538	20484.5755	0.0077991	7.440	8.68104460	102.78700
## 3866	65.65815	22255.1717	0.0430174	7.484	8.92541150	102.29000
## 3868	65.06448	25509.1844	0.0595255	7.528	9.16977850	99.32680
## 3870	64.76523	23029.5077	-0.0968628	7.758	9.47471830	98.82800
## 3872	64.43676	21704.4111	-0.0153294	8.174	9.84023100	99.45580
## 3874	64.44105	25138.4114	0.0865707	8.590	10.20574400	99.11200
## 3876	64.47818	27954.6274	0.0946007	8.790	10.43027800	99.33480
## 3878	64.65028	31854.8509	0.0438375	8.990	10.65481300	100.52300
## 3880	64.74576	33765.5292	0.0096426	9.174	10.84181700	101.40100
## 3882	64.65291	33207.2127	-0.0145216	9.342	10.99129000	99.81600
## 3884	64.57633	35197.9544	0.0074663	9.510	11.14076300	98.56180
## 3886	64.56635	39425.9364	0.0786209	9.642	11.16658600	98.52550
## 3888	64.64535	38790.6424	-0.0557909	9.774	11.19240800	98.92010
## 3890	64.06989	40636.2657	0.0388155	NA	NA	99.43500
## 3892	62.84271	40677.8155	-0.0068808	NA	NA	100.82600
## 3894	61.41732	NA	NA	NA	NA	101.53400
## 3896	64.77465	7322.3322	0.0368881	4.354	4.24418110	NA
## 3898	64.24983	7809.8913	0.0392046	4.402	4.30304290	NA
## 3900	63.12884	8567.3813	0.0452232	4.450	4.36190460	NA
## 3902	62.16476	9326.4464	0.0444450	4.350	4.34588160	NA
## 3904	61.04721	9740.0571	0.0226898	4.250	4.32985850	NA
## 3906	60.54188	10853.6802	0.0364180	4.290	4.42659340	NA
## 3908	60.64186	11890.2876	0.0473890	4.470	4.63608610	NA
## 3910	60.84940	13050.4137	0.0372143	4.650	4.84557880	NA
## 3912	60.78702	14209.0556	0.0415831	4.690	5.13562260	NA
## 3914	60.72722	15658.8774	0.0619144	4.730	5.42566640	NA
## 3916	60.72923	17283.8318	0.0502958	4.952	5.71649320	116.03400
## 3918	60.77077	19293.0024	0.0632000	5.356	6.00810310	110.81400
## 3920	60.96907	19490.9190	-0.0041504	5.760	6.29971300	109.67100
## 3922	61.13877	21036.7181	0.0330019	5.840	6.42717440	108.90500
## 3924	61.63877	22944.0110	0.0372295	5.920	6.55463580	111.63300
## 3926	62.56991	22270.0488	-0.0352182	6.150	6.87786500	111.21900
## 3928	63.71968	21828.5210	-0.0152225	6.530	7.39686200	107.78500
## 3930	64.57882	21182.6935	-0.0116014	6.910	7.91585900	107.11200
## 3932	64.63505	22575.6126	0.0226078	7.206	8.30284060	112.91400
## 3934	64.46118	24651.0048	0.0382786	7.502	8.68982220	114.84400
## 3936	64.24477	25409.1792	0.0033464	7.884	9.08225410	109.49200
## 3938	63.98083	25431.6531	-0.0116138	8.352	9.48013650	104.54900
## 3940	63.74996	26470.9030	0.0178528	8.820	9.87801890	105.03200
## 3942	63.60295	28289.2497	0.0537262	9.192	10.21169200	104.71400
## 3944	63.50837	31125.4035	0.0335979	9.564	10.54536500	104.96600
## 3946	63.47521	33663.1940	0.0302315	9.824	10.82616000	104.38900
## 3948	63.46943	32187.7996	-0.0543013	9.972	11.05407600	103.73600
## 3950	63.52330	33378.5390	0.0132132	10.120	11.28199200	108.91200
## 3952	63.57996	36306.7648	0.0546751	10.344	11.49100800	109.76000
## 3954	63.53077	36064.8073	-0.0161352	10.568	11.70002300	109.07800



## 3956	63.09124	37709.1072	0.0251942	NA	NA	107.72100
## 3958	62.27797	39273.5923	0.0341625	NA	NA	105.64300
## 3960	61.38440	NA	NA	NA	NA	NA
## 3962	54.82667	NA	NA	NA	NA	NA
## 3964	54.55938	NA	NA	NA	NA	NA
## 3966	55.94848	NA	NA	NA	NA	NA
## 3968	55.61429	NA	NA	NA	NA	NA
## 3970	52.73784	NA	NA	NA	NA	NA
## 3972	52.77179	NA	NA	NA	NA	NA
## 3974	53.93333	NA	NA	NA	NA	NA
## 3976	49.40870	NA	NA	NA	NA	NA
## 3978	50.63878	NA	NA	NA	NA	NA
## 3980	49.84231	NA	NA	NA	NA	NA
## 3982	48.27857	NA	NA	NA	NA	NA
## 3984	54.53220	NA	NA	NA	NA	NA
## 3986	52.79365	NA	NA	NA	NA	NA
## 3988	55.57612	NA	NA	NA	NA	NA
## 3990	55.14930	NA	NA	NA	NA	NA
## 3992	56.23467	NA	NA	NA	NA	NA
## 3994	57.50000	NA	NA	NA	NA	NA
## 3996	59.23571	NA	NA	NA	NA	NA
## 3998	59.99773	NA	NA	NA	NA	NA
## 4000	61.03441	NA	NA	NA	NA	NA
## 4002	60.71649	NA	NA	NA	NA	NA
## 4004	61.15400	NA	NA	NA	NA	NA
## 4006	61.52621	NA	NA	NA	NA	NA
## 4008	61.58519	NA	NA	NA	NA	NA
## 4010	64.30531	NA	NA	NA	NA	NA
## 4012	64.03504	NA	NA	NA	NA	NA
## 4014	65.50248	NA	NA	NA	NA	NA
## 4016	66.55726	NA	NA	NA	NA	NA
## 4018	69.04016	NA	NA	NA	NA	NA
## 4020	68.88140	NA	NA	NA	NA	NA
## 4022	69.93182	NA	NA	NA	NA	NA
## 4024	70.35185	NA	NA	NA	NA	NA
## 4026	70.03623	NA	NA	NA	NA	NA
## 4028	63.11475	NA	NA	0.540	0.91144542	NA
## 4030	62.60163	NA	NA	0.680	1.12912610	NA
## 4032	63.15789	NA	NA	0.820	1.34680680	NA
## 4034	62.40000	NA	NA	0.896	1.48670590	NA
## 4036	62.05534	NA	NA	0.972	1.62660510	NA
## 4038	61.62791	2851.1742	0.0591660	1.092	1.84151040	NA
## 4040	61.13208	3792.5581	0.1769838	1.256	2.13142190	NA
## 4042	61.31387	4611.2032	0.1077833	1.420	2.42133340	NA
## 4044	60.27875	4629.1563	0.1158571	1.580	2.75213860	NA
## 4046	60.13289	4832.2632	0.0496054	1.740	3.08294390	NA
## 4048	59.87261	6041.9589	0.0927849	1.976	3.51941480	138.96200
## 4050	58.15385	6499.7475	0.1227016	2.288	4.06155140	140.56500
## 4052	57.27003	8461.6546	-0.0088291	2.600	4.60368800	142.17600
## 4054	56.98006	9604.0083	-0.0503864	2.884	5.10967440	140.93300
## 4056	56.13079	11343.3587	0.0776882	3.168	5.61566080	141.77000
## 4058	55.32468	12656.3332	-0.0085649	3.508	6.09562380	145.96300
## 4060	54.70297	12189.6216	0.0727587	3.904	6.54956320	145.80400
## 4062	53.99061	10479.1386	-0.1097927	4.300	7.00350270	147.23800

## 4064	53.45212	7445.6452	-0.1024761	4.680	7.27551680	147.32400
## 4066	53.06554	8994.3292	0.2775164	5.060	7.54753090	148.53900
## 4068	52.70541	9171.1704	0.0455275	5.450	7.81703510	NA
## 4070	52.38095	8281.8561	-0.0327902	5.850	8.08402930	NA
## 4072	52.35507	8702.2886	0.0013485	6.250	8.35102350	145.79300
## 4074	52.50432	7966.6181	-0.1731806	6.558	8.62894740	143.45200
## 4076	52.88303	7855.1186	0.1167049	6.866	8.90687140	141.73600
## 4078	53.62776	9477.7547	-0.0376863	7.158	9.12298810	136.78600
## 4080	53.93939	10594.9400	0.1044092	7.434	9.27729770	138.97700
## 4082	54.65116	17526.3801	0.3285818	7.710	9.43160720	NA
## 4084	55.23013	15934.5378	-0.0165071	7.982	9.60409970	NA
## 4086	55.61497	12326.1588	-0.2873716	8.254	9.77659210	NA
## 4088	56.20999	15320.5843	0.1715784	NA	NA	141.99300
## 4090	56.61765	14926.8637	-0.0499792	NA	NA	NA
## 4092	56.97538	NA	NA	NA	NA	NA
## 4094	56.83453	NA	NA	0.406	0.32113997	NA
## 4096	57.24138	NA	NA	0.418	0.31953103	NA
## 4098	58.06452	NA	NA	0.430	0.31792208	NA
## 4100	59.17160	NA	NA	0.446	0.31999770	NA
## 4102	59.34066	NA	NA	0.462	0.32207331	NA
## 4104	59.16230	1537.6218	-0.1037350	0.480	0.32585523	NA
## 4106	57.65306	1559.1895	0.0405607	0.500	0.33134346	NA
## 4108	57.50000	1819.1973	0.0895844	0.520	0.33683168	NA
## 4110	56.79612	1781.5698	-0.0195484	0.540	0.34852006	NA
## 4112	56.80751	1723.9438	-0.0277081	0.560	0.36020844	NA
## 4114	55.11111	1840.0094	-0.0320840	0.602	0.38394658	28.40150
## 4116	54.35685	1842.9765	0.0116520	0.666	0.41973448	28.66270
## 4118	54.65116	1982.3289	0.0259466	0.730	0.45552238	29.92260
## 4120	53.98551	1852.6916	-0.0157390	0.826	0.52798011	32.74000
## 4122	53.40136	1785.8038	-0.0637465	0.922	0.60043783	39.46500
## 4124	51.42857	1976.2418	0.1378794	1.030	0.68152120	53.32810
## 4126	51.03245	1889.1401	-0.0787416	1.150	0.77123021	60.98060
## 4128	50.68120	1855.1909	-0.0078321	1.270	0.86093923	66.79030
## 4130	51.12219	1747.1639	-0.0341029	1.462	1.03383540	64.42690
## 4132	50.91324	1716.4045	-0.0056510	1.654	1.20673160	56.84120
## 4134	50.42373	1689.1390	-0.0130548	1.890	1.38586700	58.40630
## 4136	50.99602	1693.3626	0.0111666	2.170	1.57124150	60.28310
## 4138	51.03189	1643.7819	-0.0278416	2.450	1.75661600	65.92330
## 4140	50.79646	1638.1724	-0.0117726	2.526	1.94952230	74.12970
## 4142	52.00000	1705.7185	0.0386586	2.602	2.14242870	90.36090
## 4144	52.19436	1752.3385	-0.0072951	2.762	2.38889780	92.09630
## 4146	51.98238	1621.8842	0.0345368	3.006	2.68892970	93.08450
## 4148	52.34160	1724.8821	-0.0370874	3.250	2.98896160	90.70260
## 4150	52.00000	1630.4767	-0.0132380	3.458	3.27052120	89.77760
## 4152	51.99516	1658.8767	0.0090027	3.666	3.55208080	85.42800
## 4154	52.09513	1487.0078	-0.1335468	NA	NA	81.47180
## 4156	52.38600	1567.6755	0.0166068	NA	NA	85.16800
## 4158	52.63682	NA	NA	NA	NA	91.55630
## 4160	63.12241	NA	NA	NA	NA	NA
## 4162	64.04213	NA	NA	NA	NA	NA
## 4164	64.67734	NA	NA	NA	NA	NA
## 4166	64.53434	NA	NA	NA	NA	NA
## 4168	64.10959	NA	NA	NA	NA	NA
## 4170	63.38652	NA	NA	NA	NA	NA

## 4172	62.48923	NA	NA	NA	NA	NA
## 4174	62.03276	NA	NA	NA	NA	NA
## 4176	61.86754	NA	NA	NA	NA	NA
## 4178	62.06061	NA	NA	NA	NA	NA
## 4180	62.62907	NA	NA	NA	NA	NA
## 4182	63.11475	NA	NA	NA	NA	NA
## 4184	63.58048	NA	NA	NA	NA	NA
## 4186	64.00152	NA	NA	NA	NA	NA
## 4188	64.62229	NA	NA	NA	NA	NA
## 4190	65.10513	NA	NA	NA	NA	93.15740
## 4192	65.40560	NA	NA	NA	NA	NA
## 4194	65.55556	NA	NA	NA	NA	NA
## 4196	65.55125	NA	NA	NA	NA	NA
## 4198	65.36585	NA	NA	NA	NA	NA
## 4200	64.91907	9127.4584	-0.1571980	NA	NA	97.41150
## 4202	64.25980	2479.5327	-0.5266848	NA	NA	87.23600
## 4204	63.96092	2514.1228	0.0813427	NA	NA	83.93820
## 4206	64.16699	2955.3076	0.0618267	NA	NA	86.31320
## 4208	64.74080	2905.9707	0.0075803	NA	NA	94.14560
## 4210	65.26316	3079.0620	0.0492702	NA	NA	95.43950
## 4212	65.64570	3717.8632	0.1141167	NA	NA	92.24170
## 4214	66.41286	4447.1724	0.0982389	NA	NA	95.08520
## 4216	67.14224	5948.6898	0.1474047	NA	NA	107.30100
## 4218	67.84609	6858.7918	0.0521622	NA	NA	110.48300
## 4220	67.93824	8005.9824	0.0905104	NA	NA	110.72800
## 4222	67.77362	9039.5808	0.0601063	NA	NA	116.90000
## 4224	67.54302	NA	NA	NA	NA	116.78500
## 4226	68.88765	5148.6266	0.0881710	6.926	7.28841560	NA
## 4228	69.19189	6145.1622	0.0822020	7.178	7.29126380	NA
## 4230	69.42978	7493.5904	0.1231108	7.430	7.29411190	NA
## 4232	68.88071	8424.2728	0.0493479	7.454	7.34417160	NA
## 4234	68.09734	9416.1406	0.0754642	7.478	7.39423130	NA
## 4236	67.01982	10618.6616	0.0338326	7.478	7.40748500	NA
## 4238	65.68147	11091.6567	0.0121489	7.454	7.38393270	NA
## 4240	64.42628	12322.2899	0.0408411	7.430	7.36038040	NA
## 4242	63.40110	12428.8901	-0.0129604	7.278	7.15717550	NA
## 4244	62.70626	14037.7388	0.0712004	7.126	6.95397070	NA
## 4246	62.19521	15437.6142	0.0340147	7.036	6.85756400	NA
## 4248	62.04665	17008.7873	0.0494194	7.008	6.86795560	NA
## 4250	62.12378	17137.2529	0.0061798	6.980	6.87834720	NA
## 4252	62.40654	18752.8509	0.0380478	7.000	6.94259430	NA
## 4254	62.86662	20402.5449	0.0412560	7.020	7.00684140	NA
## 4256	63.93844	19771.8420	-0.0334864	7.060	7.10926830	NA
## 4258	65.59945	19562.4596	0.0068417	7.120	7.24987490	NA
## 4260	66.73005	19825.1895	0.0061789	7.180	7.39048150	NA
## 4262	66.76210	21937.6624	0.0349550	7.748	7.98203180	NA
## 4264	66.16201	24109.9941	0.0453329	8.316	8.57358220	NA
## 4266	65.67208	27169.2522	0.0543432	8.768	9.06812080	101.87600
## 4268	65.40344	28032.2962	-0.0007343	9.104	9.46564770	101.01900
## 4270	65.36568	29949.6863	0.0310555	9.440	9.86317450	101.90300
## 4272	65.51880	31291.7810	0.0345192	9.688	10.07558300	105.01100
## 4274	65.71299	33780.3906	0.0367746	9.936	10.28799100	106.72600
## 4276	65.52062	34665.0346	0.0150032	10.378	10.69428500	106.71200
## 4278	65.03302	34673.3725	0.0024414	11.014	11.29446600	104.15400

## 4280	64.56032	35778.1687	0.0110464	11.650	11.89464600	104.68400
## 4282	64.21127	39480.6400	0.0542011	11.938	12.09718300	105.95900
## 4284	63.95793	38725.6390	-0.0421991	12.226	12.29971900	104.21700
## 4286	63.94878	42815.4286	0.0492344	NA	NA	103.10600
## 4288	64.13719	44522.4746	0.0221424	NA	NA	103.03900
## 4290	64.12175	NA	NA	NA	NA	104.97000
## 4292	52.65469	NA	NA	0.704	0.35494230	NA
## 4294	53.11077	NA	NA	0.752	0.37654696	NA
## 4296	53.40950	2452.3026	NA	0.800	0.39815163	NA
## 4298	53.40490	2297.9876	-0.0373206	0.900	0.48164005	NA
## 4300	53.34174	2693.4023	0.0956259	1.000	0.56512847	NA
## 4302	53.28791	2662.8189	-0.0561109	1.230	0.74004351	NA
## 4304	53.32962	2700.2467	0.0426974	1.590	1.00638520	NA
## 4306	53.23475	2565.9730	-0.0733099	1.950	1.27272680	NA
## 4308	52.64223	2407.3521	-0.0310612	2.394	1.76736720	NA
## 4310	52.12327	2555.4480	0.0431204	2.838	2.26200760	NA
## 4312	51.63897	2811.9873	-0.0229297	3.220	2.68772110	67.19050
## 4314	51.33958	2697.1956	0.0839472	3.540	3.04450770	66.45780
## 4316	51.29373	2513.4727	-0.1289797	3.860	3.40129430	65.01890
## 4318	51.22779	2420.4769	0.0916858	4.128	3.65560210	71.60930
## 4320	51.42637	2279.4612	-0.0515800	4.396	3.90990980	73.68860
## 4322	51.60936	2051.7801	-0.1006579	4.664	4.14137000	77.70990
## 4324	51.87970	1630.7760	-0.0355177	4.932	4.34998250	76.47520
## 4326	52.28581	1852.9540	0.0475001	5.200	4.55859490	74.04310
## 4328	52.61014	1890.5093	0.0150423	5.380	4.72252550	70.87720
## 4330	53.05131	1917.0250	-0.0414128	5.560	4.88645610	73.44960
## 4332	53.51789	1987.1215	0.0427999	5.698	5.04470020	79.94780
## 4334	53.96765	1944.2373	0.0082870	5.794	5.19725780	79.90680
## 4336	54.57946	2028.8180	0.0167675	5.890	5.34981540	80.13210
## 4338	55.00173	2135.9948	0.0682926	6.110	5.60524900	83.17400
## 4340	55.56533	2297.7890	0.0926495	6.330	5.86068260	81.35400
## 4342	56.08991	2129.7043	-0.0807042	6.566	6.11148710	80.76710
## 4344	56.48304	2329.0757	0.0416441	6.818	6.35766250	80.24300
## 4346	56.95067	2443.6870	0.0001936	7.070	6.60383790	90.35440
## 4348	57.36981	2464.6882	0.0321183	7.042	6.84945910	100.97500
## 4350	57.89474	2577.2227	-0.0051861	7.014	7.09508040	105.54600
## 4352	58.24132	3440.0321	0.2457519	NA	NA	106.66900
## 4354	58.32954	3716.2369	-0.0244532	NA	NA	108.47600
## 4356	58.50878	NA	NA	NA	NA	109.92500
## 4358	65.66096	3356.7844	NA	4.410	4.22344980	NA
## 4360	66.59131	3606.8614	0.1052542	4.950	4.86035910	NA
## 4362	66.91303	3877.0724	0.0644407	5.490	5.49726840	NA
## 4364	66.66667	4465.4732	0.0636253	6.250	6.30752610	NA
## 4366	65.97107	4791.3961	0.0261641	7.010	7.11778380	NA
## 4368	65.71695	5476.7656	0.1241894	7.194	7.35992780	NA
## 4370	66.17443	6055.0873	0.1210699	6.802	7.03395810	NA
## 4372	66.36986	7154.2040	0.0992842	6.410	6.70798840	NA
## 4374	65.78531	8022.4420	0.0429249	6.454	6.73158030	NA
## 4376	64.57821	9484.1338	0.1078329	6.498	6.75517220	NA
## 4378	63.79578	11062.5437	0.0697813	6.574	6.81460520	107.10600
## 4380	63.86073	12987.0598	0.0696611	6.682	6.90987940	107.62800
## 4382	64.00782	12365.0794	0.0368004	6.790	7.00515350	105.94300
## 4384	64.04160	13245.3126	0.0151091	6.914	7.23753400	103.00000
## 4386	63.89750	14139.8045	0.0090075	7.038	7.46991440	101.21500

## 4388	64.21330	14071.3916	0.0010090	7.258	7.83687620	103.26200
## 4390	64.70824	13440.0687	-0.0100327	7.574	8.33841920	105.61700
## 4392	65.12137	14027.3307	0.0302105	7.890	8.83996220	105.93000
## 4394	65.62562	14583.2237	-0.0051508	8.166	9.37440240	101.54800
## 4396	66.26790	16385.1174	0.0459824	8.442	9.90884250	100.25200
## 4398	66.69244	17743.9836	0.0597219	8.610	10.23022100	99.19950
## 4400	66.88767	18159.5135	0.0042953	8.670	10.33853600	95.20270
## 4402	67.05073	19813.6111	0.0428715	8.730	10.44685200	95.27920
## 4404	67.00861	21894.5620	0.0711575	8.794	10.55621200	92.63220
## 4406	66.95069	23316.4488	0.0188417	8.858	10.66557100	95.45930
## 4408	66.55873	25102.7767	0.0511675	9.092	10.91152100	95.98870
## 4410	65.84973	27109.6166	0.0149431	9.496	11.29406200	98.68510
## 4412	65.39146	27497.6468	-0.0413303	9.900	11.67660200	99.08330
## 4414	65.27655	31022.8702	0.0418844	10.060	11.83494200	98.70370
## 4416	65.27241	31432.7800	-0.0201197	10.220	11.99328200	NA
## 4418	64.81449	26360.0919	-0.1026258	NA	NA	99.32940
## 4420	63.91150	25993.3757	0.0139971	NA	NA	98.60080
## 4422	62.86326	NA	NA	NA	NA	NA
## 4424	52.71705	2325.1954	-0.0208049	1.320	1.11608690	NA
## 4426	52.30496	2323.6845	0.0088801	1.340	1.14438340	NA
## 4428	51.98880	2274.1260	-0.0209355	1.360	1.17267990	NA
## 4430	51.59405	2413.8222	0.0099182	1.376	1.20740290	NA
## 4432	51.51210	2437.1419	0.0145245	1.392	1.24212600	NA
## 4434	51.50502	2424.8552	0.0026336	1.416	1.28409990	NA
## 4436	51.62896	2546.5181	0.0421753	1.448	1.33332460	NA
## 4438	51.99143	2623.8466	0.0116930	1.480	1.38254940	NA
## 4440	52.12809	2726.0077	0.0097866	1.576	1.50234780	NA
## 4442	52.41564	2977.3165	0.0315719	1.672	1.62214620	NA
## 4444	52.50000	3155.3737	0.0033388	1.778	1.75802970	59.58480
## 4446	52.46407	3384.5636	0.0366869	1.894	1.90999840	60.24970
## 4448	52.42561	3370.9124	-0.0015945	2.010	2.06196710	62.62160
## 4450	52.18989	3828.4157	0.0948286	2.350	2.34234300	64.17560
## 4452	52.06036	3819.9961	0.0071878	2.690	2.62271900	67.24420
## 4454	51.82743	3773.0653	-0.0226135	2.920	2.83280570	73.20520
## 4456	51.62549	3548.6250	-0.0211678	3.040	2.97260300	73.06430
## 4458	51.66379	3411.9446	-0.0321102	3.160	3.11240030	75.05550
## 4460	51.74351	3389.4867	-0.0336237	3.308	3.25023570	76.32140
## 4462	52.05693	3554.1325	0.0200949	3.456	3.38807100	NA
## 4464	52.40709	3776.0963	0.0397863	3.584	3.52785920	77.35970
## 4466	52.72545	3913.0922	0.0355396	3.692	3.66960010	82.70670
## 4468	53.13808	4237.5269	0.0400467	3.800	3.81134090	85.00810
## 4470	53.57659	4437.3441	0.0339956	3.920	3.96497750	87.43080
## 4472	54.15379	4693.8226	0.0165300	4.040	4.11861400	99.44950
## 4474	54.65970	4883.5662	0.0173216	4.074	4.18522700	102.37300
## 4476	55.12741	5057.0288	0.0097828	4.022	4.16481640	NA
## 4478	55.68889	5220.5590	0.0164557	3.970	4.14440580	111.48800
## 4480	56.41461	5757.4606	0.0553503	4.210	4.54824260	112.40400
## 4482	57.28037	6094.0688	0.0319309	4.450	4.95207930	117.28500
## 4484	58.12110	6544.9368	0.0460129	NA	NA	115.42600
## 4486	58.87781	6668.7301	0.0126648	NA	NA	107.54900
## 4488	59.61677	NA	NA	NA	NA	101.79100
## 4490	57.46980	NA	NA	NA	NA	NA
## 4492	57.00185	NA	NA	NA	NA	NA
## 4494	57.10006	NA	NA	NA	NA	NA

## 4496	56.53690	NA	NA	NA	NA	NA
## 4498	56.46794	1831.5331	NA	NA	NA	NA
## 4500	56.06968	2023.5748	0.0207510	NA	NA	NA
## 4502	55.50870	2213.4868	0.0813584	NA	NA	NA
## 4504	55.52725	2027.8172	0.0202088	NA	NA	NA
## 4506	55.32646	1951.4480	-0.0163312	NA	NA	NA
## 4508	55.69260	1861.3007	-0.0366340	NA	NA	NA
## 4510	55.85919	1833.3199	0.0419345	NA	NA	30.54800
## 4512	55.89041	1877.0563	0.0089412	NA	NA	30.03670
## 4514	56.03799	2019.0945	0.0271564	NA	NA	31.85050
## 4516	55.56553	2082.6672	-0.0393829	NA	NA	35.54370
## 4518	55.33895	2163.8698	-0.0209122	NA	NA	39.30070
## 4520	54.86231	2156.4376	-0.0386391	NA	NA	39.31990
## 4522	54.33265	2119.9526	-0.0142131	NA	NA	35.95010
## 4524	53.96579	2144.3924	0.0213861	NA	NA	39.05440
## 4526	53.43624	2129.4605	0.0009665	NA	NA	34.27830
## 4528	53.03602	2186.5108	0.0001826	NA	NA	35.53300
## 4530	52.75101	2108.3051	-0.0050836	NA	NA	37.17570
## 4532	52.39546	1935.2012	-0.0126548	NA	NA	39.99010
## 4534	52.43502	1986.2238	0.0195489	NA	NA	45.90100
## 4536	52.20606	1882.7950	-0.1130261	NA	NA	50.59020
## 4538	52.28999	1638.8057	-0.0848255	NA	NA	53.69480
## 4540	52.42654	1418.9679	-0.0878124	NA	NA	60.67060
## 4542	52.56024	1186.0877	-0.1047845	NA	NA	73.32540
## 4544	52.87428	1082.1826	-0.0407977	NA	NA	79.15830
## 4546	53.03508	1099.9226	0.0226679	NA	NA	82.86500
## 4548	53.39062	1080.7595	-0.0876727	NA	NA	82.97300
## 4550	53.71681	1245.4809	0.0200348	NA	NA	87.30740
## 4552	54.05133	1309.8056	0.0336289	NA	NA	90.08530
## 4554	54.42253	NA	NA	NA	NA	NA
## 4556	58.54545	NA	NA	NA	NA	NA
## 4558	57.59717	NA	NA	NA	NA	NA
## 4560	56.70103	NA	NA	NA	NA	NA
## 4562	56.66667	NA	NA	NA	NA	NA
## 4564	57.46753	NA	NA	NA	NA	NA
## 4566	56.32911	922.6198	0.0085630	NA	NA	NA
## 4568	56.03715	994.8799	0.0894289	NA	NA	NA
## 4570	55.89124	1108.7449	0.0384097	NA	NA	NA
## 4572	56.43275	1143.9975	0.1181035	NA	NA	NA
## 4574	57.06215	1294.4312	0.1006608	NA	NA	NA
## 4576	56.67575	1336.9607	-0.0497546	NA	NA	27.41040
## 4578	56.69291	1397.5395	0.0033588	NA	NA	39.24110
## 4580	55.69620	1521.4815	0.0599108	NA	NA	69.04570
## 4582	55.14706	1346.3932	-0.1824603	NA	NA	NA
## 4584	55.21327	1559.0935	0.0045538	NA	NA	67.90590
## 4586	54.21412	1277.4531	-0.1121435	NA	NA	60.06320
## 4588	53.27511	1239.4784	-0.0430956	NA	NA	56.76910
## 4590	52.60960	1051.4503	-0.1609955	NA	NA	55.09740
## 4592	51.80000	1275.8351	0.0020742	NA	NA	52.78690
## 4594	51.62524	1331.6317	0.0154867	NA	NA	50.60960
## 4596	51.55393	1385.7373	0.0165362	NA	NA	NA
## 4598	51.22378	1299.8000	0.0901604	NA	NA	44.17610
## 4600	51.67224	1406.1914	-0.0024309	NA	NA	52.76110
## 4602	52.00000	1592.1245	0.1198316	NA	NA	59.36720

## 4604	52.45399	1535.2239	0.1440935	NA	NA	NA
## 4606	53.46097	1446.3827	-0.0131674	NA	NA	85.44450
## 4608	53.88967	1352.5807	-0.0271630	NA	NA	NA
## 4610	54.40977	1334.9302	-0.0247178	NA	NA	110.79800
## 4612	54.74642	1278.5540	0.0068083	NA	NA	NA
## 4614	55.22388	1228.8046	-0.0354776	NA	NA	NA
## 4616	55.51601	1413.6404	0.1100178	NA	NA	NA
## 4618	55.93220	1225.3673	-0.0269341	NA	NA	NA
## 4620	56.08181	NA	NA	NA	NA	NA
## 4622	55.18868	NA	NA	4.304	4.11887890	NA
## 4624	53.94737	NA	NA	4.432	4.22051420	NA
## 4626	52.86885	NA	NA	4.560	4.32214950	NA
## 4628	51.73745	NA	NA	4.680	4.50303760	NA
## 4630	50.90909	NA	NA	4.800	4.68392570	NA
## 4632	50.00000	NA	NA	4.944	4.85401050	NA
## 4634	49.03226	NA	NA	5.112	5.01329200	NA
## 4636	48.46626	NA	NA	5.280	5.17257350	NA
## 4638	49.11243	NA	NA	5.432	5.40464480	NA
## 4640	48.84393	NA	NA	5.584	5.63671600	NA
## 4642	50.56497	NA	NA	5.736	5.84284040	96.64120
## 4644	51.38889	NA	NA	5.888	6.02301770	98.65560
## 4646	52.30352	NA	NA	6.040	6.20319510	NA
## 4648	52.87958	NA	NA	6.220	6.45015500	110.51500
## 4650	52.53807	NA	NA	6.400	6.69711480	105.60700
## 4652	53.63409	NA	NA	6.566	6.93707990	99.19780
## 4654	54.93671	NA	NA	6.718	7.17005030	96.83530
## 4656	56.44330	NA	NA	6.870	7.40302080	94.51280
## 4658	58.57520	NA	NA	6.958	7.53577170	99.62480
## 4660	60.10782	NA	NA	7.046	7.66852270	111.69300
## 4662	60.65574	NA	NA	7.208	7.91063970	107.18900
## 4664	60.21798	NA	NA	7.444	8.26212270	101.84600
## 4666	60.16260	NA	NA	7.680	8.61360580	99.31640
## 4668	61.08108	NA	NA	7.860	8.84847690	103.15500
## 4670	60.54054	NA	NA	8.040	9.08334810	108.42800
## 4672	59.67742	NA	NA	8.206	9.26792050	103.03700
## 4674	58.82353	NA	NA	8.358	9.40219420	98.50680
## 4676	58.93333	NA	NA	8.510	9.53646790	99.31190
## 4678	60.10638	NA	NA	8.622	9.60601150	92.49020
## 4680	61.53846	NA	NA	8.734	9.67555510	85.86210
## 4682	62.96296	NA	NA	NA	NA	86.29350
## 4684	64.11609	NA	NA	NA	NA	NA
## 4686	65.44503	NA	NA	NA	NA	NA
## 4688	57.33890	NA	NA	0.606	0.49113903	NA
## 4690	57.29948	NA	NA	0.638	0.51351808	NA
## 4692	57.46934	NA	NA	0.670	0.53589714	NA
## 4694	57.31183	NA	NA	0.722	0.57386188	NA
## 4696	57.22424	NA	NA	0.774	0.61182662	NA
## 4698	56.90085	1128.0307	-0.0986238	0.830	0.65756882	NA
## 4700	56.06133	1185.3991	-0.0215783	0.890	0.71108849	NA
## 4702	55.57604	1147.6967	-0.0230269	0.950	0.76460816	NA
## 4704	55.04872	1101.6851	-0.0297046	1.042	0.86312748	NA
## 4706	55.09161	1123.5566	0.0124650	1.134	0.96164681	NA
## 4708	55.17666	1162.6648	0.0015306	1.244	1.08172000	50.09170
## 4710	55.29552	1199.6807	0.0437503	1.372	1.22334700	53.55800

## 4712	55.60658	1262.2485	-0.0021772	1.500	1.36497400	56.69390
## 4714	55.59647	1452.7958	-0.0045652	1.696	1.56233590	61.61870
## 4716	55.72438	1519.6529	0.0329146	1.892	1.75969790	62.38100
## 4718	55.46162	1457.8984	-0.0885496	2.180	1.94594100	74.51270
## 4720	54.95641	1395.3689	0.0057287	2.560	2.12106520	81.04390
## 4722	54.62677	1433.8991	0.0072637	2.940	2.29618950	86.68310
## 4724	54.09158	1387.0584	-0.0314741	3.136	2.51643710	75.27640
## 4726	53.85488	1270.8119	-0.0762296	3.332	2.73668480	NA
## 4728	53.75817	1237.2084	-0.0074143	3.528	2.95227260	NA
## 4730	53.89049	1076.9000	-0.0871019	3.724	3.16320060	78.30290
## 4732	54.36648	1237.7416	0.2344847	3.920	3.37412850	91.02760
## 4734	55.00122	1457.0778	0.0363803	4.084	3.48546490	108.20000
## 4736	55.93420	1584.4397	0.0882168	4.248	3.59680130	NA
## 4738	56.84091	1668.6204	-0.0521264	4.426	3.75819990	NA
## 4740	57.66182	1531.2763	-0.0629020	4.618	3.96966080	NA
## 4742	58.51472	1527.9626	0.0220137	4.810	4.18112170	NA
## 4744	59.16425	1595.7753	0.0507436	4.930	4.32081510	NA
## 4746	59.86354	1590.2442	0.0386920	5.050	4.46050850	NA
## 4748	60.59661	1506.7014	0.0340147	NA	NA	NA
## 4750	61.38820	1547.4046	0.0334086	NA	NA	NA
## 4752	62.11673	NA	NA	NA	NA	NA
## 4754	53.82586	2210.6980	0.0017900	1.662	1.52609960	NA
## 4756	53.11721	2284.7982	0.0473566	1.706	1.57568720	NA
## 4758	52.58216	2023.6256	-0.0192957	1.750	1.62527480	NA
## 4760	51.54525	2156.9736	-0.0293417	1.818	1.71105960	NA
## 4762	51.19418	2152.4493	-0.0079989	1.886	1.79684440	NA
## 4764	50.58366	2116.0475	0.0205126	1.956	1.88669260	NA
## 4766	50.04550	2157.2530	-0.0041404	2.028	1.98060410	NA
## 4768	49.82906	2323.2669	0.0388460	2.100	2.07451560	NA
## 4770	49.39369	2321.6567	0.0100422	2.192	2.19577410	NA
## 4772	49.27091	2308.7963	-0.0405564	2.284	2.31703260	NA
## 4774	49.16485	2235.1647	-0.0185971	2.392	2.46922790	83.57980
## 4776	49.27934	2443.0252	0.0511713	2.516	2.65236010	83.68720
## 4778	49.32127	2223.7728	-0.0136242	2.640	2.83549230	85.72970
## 4780	49.57473	2897.3767	0.1171737	3.032	3.30563300	85.98520
## 4782	49.71494	2925.6591	-0.0228438	3.424	3.77577370	94.90140
## 4784	50.00000	2766.9657	-0.0411825	3.794	4.20756030	96.81850
## 4786	50.37745	2556.4381	-0.0522966	4.142	4.60099290	105.24100
## 4788	50.73425	2645.5511	0.0052967	4.490	4.99442540	107.52000
## 4790	50.98127	2772.0979	0.0147796	4.650	5.18259730	NA
## 4792	51.13636	2897.7112	0.0033727	4.810	5.37076920	NA
## 4794	51.51154	2909.8624	0.0283217	4.964	5.51793930	106.41100
## 4796	51.94120	2996.1322	0.0123796	5.112	5.62410750	110.52900
## 4798	52.41849	3125.7421	0.0499449	5.260	5.73027580	107.98100
## 4800	52.92308	3207.5818	0.0203781	5.416	5.89354330	109.12000
## 4802	53.63220	3061.9981	-0.0587549	5.572	6.05681080	107.74600
## 4804	54.44270	3239.1518	0.0103378	5.726	6.22638270	NA
## 4806	55.44823	3364.4274	0.0201206	5.878	6.40225910	115.45500
## 4808	56.58239	3613.7204	0.0376320	6.030	6.57813540	111.58700
## 4810	57.95964	3952.6183	0.0406857	6.094	6.76619610	112.83600
## 4812	59.34453	3960.7955	0.0022125	6.158	6.95425670	114.88800
## 4814	60.86044	4304.5218	0.0460653	NA	NA	116.17900
## 4816	62.37901	4301.1406	-0.0148792	NA	NA	110.79500
## 4818	63.67913	NA	NA	NA	NA	110.71400



## 4820	65.92742	NA	NA	4.416	3.33191980	NA
## 4822	64.59854	NA	NA	4.528	3.48135240	NA
## 4824	61.76713	NA	NA	4.640	3.63078490	NA
## 4826	59.01515	NA	NA	4.740	3.79447100	NA
## 4828	56.42458	NA	NA	4.840	3.95815700	NA
## 4830	55.37874	3855.3328	0.0284643	5.054	4.27103300	NA
## 4832	55.66474	4819.9980	0.1272163	5.382	4.73309910	NA
## 4834	56.28710	5846.9948	0.1298370	5.710	5.19516520	NA
## 4836	56.73127	6221.9107	0.0286188	5.946	5.56661960	NA
## 4838	57.51295	7139.9675	0.0952320	6.182	5.93807400	NA
## 4840	58.82952	8283.7958	0.0844984	6.422	6.35067290	NA
## 4842	59.94065	9972.3524	0.0856485	6.666	6.80441630	NA
## 4844	61.36687	9724.6104	0.0191364	6.910	7.25815970	NA
## 4846	63.59551	11963.9217	0.0756178	7.334	7.86736110	NA
## 4848	65.83192	13642.9333	0.0774765	7.758	8.47656250	NA
## 4850	67.22177	15291.9125	0.0318432	8.116	8.99817550	NA
## 4852	67.61229	16080.5344	0.0279398	8.408	9.43220030	NA
## 4854	67.79012	18056.1134	0.0246706	8.700	9.86622510	NA
## 4856	68.24926	21300.3334	0.1080122	8.976	10.23604700	NA
## 4858	68.71188	23486.7179	0.0372791	9.252	10.60586900	NA
## 4860	69.37000	25744.1658	0.0622864	9.394	10.81026400	NA
## 4862	69.82409	29642.0034	0.0695324	9.402	10.84923400	NA
## 4864	70.32573	31441.2636	0.0086660	9.410	10.88820400	NA
## 4866	70.91695	35246.4981	0.0515251	9.370	10.96048100	NA
## 4868	71.68375	32916.0086	-0.0093002	9.330	11.03275700	NA
## 4870	72.44318	35691.6898	0.0132399	9.684	11.42413900	NA
## 4872	73.17005	38241.3514	0.0266027	10.432	12.13462700	NA
## 4874	74.13214	43878.4533	0.0754347	11.180	12.84511400	NA
## 4876	75.43520	47973.7846	0.0568876	11.260	12.85417400	NA
## 4878	76.09995	46315.9376	-0.0318871	11.340	12.86323500	NA
## 4880	75.98183	49693.1896	0.0320244	NA	NA	NA
## 4882	75.16426	51097.8742	0.0257521	NA	NA	NA
## 4884	73.95241	NA	NA	NA	NA	NA
## 4886	67.50917	NA	NA	7.158	7.20666470	NA
## 4888	66.71329	NA	NA	7.214	7.28301960	NA
## 4890	66.48276	NA	NA	7.270	7.35937450	NA
## 4892	66.05540	NA	NA	7.334	7.46047230	NA
## 4894	66.00813	NA	NA	7.398	7.56157010	NA
## 4896	66.03774	NA	NA	7.464	7.67331640	NA
## 4898	66.03485	NA	NA	7.532	7.79571140	NA
## 4900	66.25405	NA	NA	7.600	7.91810630	NA
## 4902	66.61617	NA	NA	7.792	8.14954430	NA
## 4904	67.06812	NA	NA	7.984	8.38098240	NA
## 4906	67.11535	5852.5757	0.0513344	8.178	8.60611810	97.97810
## 4908	67.09378	6443.0907	0.0504675	8.374	8.82495160	104.06300
## 4910	66.53159	6574.2417	0.0192394	8.570	9.04378510	106.23100
## 4912	65.29905	8072.7366	0.1030102	8.742	9.23859900	103.95100
## 4914	63.84671	9694.4265	0.0872393	8.914	9.43341290	98.54150
## 4916	63.50839	10753.4450	0.0186481	8.998	9.58126500	99.46970
## 4918	64.50209	10813.1991	-0.0075207	8.994	9.68215530	108.62200
## 4920	65.24123	10841.7281	-0.0096283	8.990	9.78304550	105.66300
## 4922	65.32941	11983.1852	0.0702229	8.910	9.83925730	91.71150
## 4924	64.73636	12882.2772	0.0388985	8.830	9.89546900	83.77370
## 4926	64.79422	11611.0999	-0.1054440	9.114	10.14433000	89.42590

## 4928	65.48787	12443.7524	0.0515976	9.762	10.58584100	100.18800
## 4930	66.05623	13870.5071	0.0467958	10.410	11.02735200	104.90800
## 4932	66.15984	14249.0498	0.0339317	10.726	11.29727600	100.60000
## 4934	66.17017	15196.9637	0.0311537	11.042	11.56719900	100.76500
## 4936	66.32386	17513.6737	0.0990191	11.292	11.77674600	100.24600
## 4938	66.52893	18524.4746	-0.0002871	11.476	11.92591500	98.13070
## 4940	66.62896	19103.1581	0.0084181	11.660	12.07508400	98.08620
## 4942	66.52166	20607.8581	0.0333643	11.736	12.06513300	99.48640
## 4944	66.33776	21736.0896	0.0105257	11.812	12.05518200	102.19300
## 4946	66.04997	23190.2336	0.0361471	NA	NA	101.10800
## 4948	65.72526	24645.8448	0.0497046	NA	NA	100.07300
## 4950	65.12393	NA	NA	NA	NA	101.61600
## 4952	63.88889	7848.0900	-0.0624990	5.736	5.90641440	NA
## 4954	61.33333	8820.7269	0.1338577	5.808	6.01695730	NA
## 4956	58.97436	10878.1551	0.1268835	5.880	6.12750020	NA
## 4958	58.53659	10461.3569	-0.0118065	5.984	6.28142330	NA
## 4960	57.64706	11642.4657	0.0301981	6.088	6.43534640	NA
## 4962	56.17978	11716.4937	0.0476494	6.224	6.61328830	NA
## 4964	57.60870	13121.3850	0.0973492	6.392	6.81524890	NA
## 4966	57.89474	16313.9360	0.0921288	6.560	7.01720950	NA
## 4968	57.14286	16709.8631	-0.0316582	6.740	7.25764480	NA
## 4970	57.00000	15302.8562	0.0176878	6.920	7.49808010	NA
## 4972	60.78431	20086.6714	0.1899214	7.094	7.74228530	98.16840
## 4974	59.04762	22327.9754	0.1240664	7.262	7.99026040	98.79130
## 4976	59.25926	22272.9332	-0.0553885	7.430	8.23823540	99.78870
## 4978	61.81818	25733.9816	0.1352367	7.610	8.45995940	99.81900
## 4980	61.60714	26712.1988	0.0068455	7.790	8.68168350	98.06940
## 4982	61.40351	29022.3806	0.0382986	7.970	8.91926980	99.12640
## 4984	63.24786	26219.9082	-0.1287088	8.150	9.17271840	99.46330
## 4986	61.66667	28130.4376	-0.0159178	8.330	9.42616700	99.36550
## 4988	63.41463	32842.1679	0.1072121	8.510	9.63863770	97.74740
## 4990	62.69841	31726.8224	-0.0469837	8.690	9.85110830	101.24700
## 4992	62.50000	31880.0095	0.0188074	8.870	10.06475700	101.26000
## 4994	63.35878	30091.7122	-0.0027132	9.050	10.27958500	98.92150
## 4996	63.15789	30783.1813	0.0068083	9.230	10.49441200	97.97250
## 4998	63.23529	34400.0923	0.0797758	9.406	10.67231400	98.34760
## 5000	64.74820	38711.3282	0.0362005	9.582	10.85021600	100.30100
## 5002	64.78873	39238.1758	0.0122566	9.820	11.07871200	102.53500
## 5004	64.58333	37379.4642	-0.0293779	10.120	11.35780200	99.39670
## 5006	65.54054	42648.4420	0.0459175	10.420	11.63689200	97.93220
## 5008	66.44737	44441.9280	0.0252542	10.672	11.94405500	98.04140
## 5010	65.38462	41660.3776	-0.0562773	10.924	12.25121800	99.12690
## 5012	66.25000	38896.0193	0.0094109	NA	NA	98.54680
## 5014	66.04938	41464.8128	0.0456057	NA	NA	99.13200
## 5016	65.24390	NA	NA	NA	NA	NA
## 5018	58.42917	862.3827	0.0234780	1.004	0.46346064	NA
## 5020	57.89671	901.1841	0.0339026	1.032	0.48110362	NA
## 5022	57.67835	928.2261	0.0039692	1.060	0.49874660	NA
## 5024	57.00738	927.9889	-0.0212641	1.088	0.53488172	NA
## 5026	56.63938	977.8006	0.0022449	1.116	0.57101685	NA
## 5028	56.10998	1049.4447	0.0151429	1.164	0.61845817	NA
## 5030	55.47249	1120.9819	0.0463500	1.232	0.67720570	NA
## 5032	55.26397	1133.4919	-0.0394864	1.300	0.73595322	NA
## 5034	55.16813	1161.1843	0.0523753	1.424	0.82803534	NA

## 5036	55.51279	1289.3743	0.0806031	1.548	0.92011745	NA
## 5038	55.73745	1299.0006	0.0128212	1.690	1.03004880	78.86560
## 5040	55.90762	1351.1386	0.0347071	1.850	1.15782930	82.65650
## 5042	56.24921	1390.7023	0.0750937	2.010	1.28560990	82.84010
## 5044	56.40259	1322.9222	-0.0192504	2.142	1.43267390	85.23050
## 5046	56.73909	1160.7537	-0.0919194	2.274	1.57973800	81.19020
## 5048	56.95597	1114.1430	-0.0252066	2.450	1.75246590	84.15770
## 5050	57.08452	1070.0023	-0.0102348	2.670	1.95085760	86.76940
## 5052	57.36013	1034.2099	-0.0081062	2.890	2.14924930	88.22000
## 5054	57.49670	1116.8594	0.0424013	3.114	2.36874010	88.23340
## 5056	57.87823	1246.5063	0.0487070	3.338	2.58823080	92.53080
## 5058	58.26519	1305.9292	0.0056467	3.584	2.79716850	91.54220
## 5060	58.68923	1426.7262	0.0526905	3.852	2.99555310	93.52690
## 5062	59.27713	1579.6561	0.0530663	4.120	3.19393770	94.36850
## 5064	59.84045	1759.5112	0.0421185	4.484	3.55377640	93.85740
## 5066	60.52292	1943.4173	0.0478768	4.848	3.91361520	92.89160
## 5068	61.17475	2083.5968	0.0363894	5.150	4.27229090	94.41250
## 5070	61.82687	2325.6918	0.0705605	5.390	4.62980350	102.96200
## 5072	62.51698	2698.4799	0.0910916	5.630	4.98731610	NA
## 5074	63.10451	3261.4168	0.0991602	5.874	5.38100330	110.22100
## 5076	63.72885	3768.2117	0.0845985	6.118	5.77469050	109.57300
## 5078	64.35898	4562.1754	0.0756054	NA	NA	108.37500
## 5080	65.01432	4967.1169	0.0499010	NA	NA	110.58500
## 5082	65.61278	NA	NA	NA	NA	108.60100
## 5084	56.28640	NA	NA	1.122	0.79393340	NA
## 5086	56.86722	NA	NA	1.186	0.84836377	NA
## 5088	57.39048	NA	NA	1.250	0.90279414	NA
## 5090	57.12539	NA	NA	1.378	1.02730310	NA
## 5092	56.84338	NA	NA	1.506	1.15181200	NA
## 5094	56.23662	948.0834	-0.0021019	1.690	1.32708350	NA
## 5096	55.54741	964.5715	-0.0518732	1.930	1.55311750	NA
## 5098	54.96635	924.4066	-0.0292382	2.170	1.77915140	NA
## 5100	54.32173	889.4000	0.0333419	2.438	2.07354260	NA
## 5102	53.91405	914.8318	-0.0370488	2.706	2.36793380	NA
## 5104	53.76926	1037.0874	0.0417438	2.910	2.61265290	84.86640
## 5106	53.92683	1250.1732	0.1145692	3.050	2.80769980	86.12640
## 5108	54.32777	1446.8208	-0.0032578	3.190	3.00274680	87.13810
## 5110	54.69843	1650.6632	0.0846286	3.366	3.20636820	92.31270
## 5112	55.24626	1998.5201	0.1426435	3.542	3.40998960	NA
## 5114	55.90777	2402.0983	0.0599489	3.676	3.56257310	109.97900
## 5116	56.65444	2511.3489	0.0472836	3.768	3.66411860	116.73900
## 5118	57.56566	2653.9810	0.0108438	3.860	3.76566410	121.19800
## 5120	58.45393	2683.2383	0.0264697	3.988	3.98052790	118.15800
## 5122	59.49725	2903.2456	0.0557737	4.116	4.19539160	116.37300
## 5124	60.49013	3406.9052	0.0644808	4.268	4.39006770	112.68200
## 5126	61.38232	3813.1042	0.0506554	4.444	4.56455620	110.31400
## 5128	62.34253	4378.3532	0.0679150	4.620	4.73904470	110.53900
## 5130	63.20190	4760.0412	0.0110884	4.832	4.91388870	109.94600
## 5132	64.12157	4046.7417	-0.0634766	5.044	5.08873260	111.37900
## 5134	64.67743	3905.1449	0.0044823	5.402	5.48671560	109.76600
## 5136	64.96227	3754.9940	-0.0151348	5.906	6.10783750	109.47200
## 5138	65.25336	4272.2869	0.0639944	6.410	6.72895940	107.79200
## 5140	65.79941	5109.4676	0.0906258	6.890	7.33026440	109.05600
## 5142	66.11736	6423.7144	0.0969782	7.370	7.93156950	108.14100

## 5144	66.44016	8897.2235	0.1761055	NA	NA	108.63500
## 5146	66.71426	9452.9522	0.0353479	NA	NA	106.34300
## 5148	67.07435	NA	NA	NA	NA	105.85300
## 5150	57.79123	NA	NA	0.564	0.36114012	NA
## 5152	56.86471	NA	NA	0.612	0.39167206	NA
## 5154	56.10274	1984.4822	NA	0.660	0.42220400	NA
## 5156	54.70077	2232.2294	0.0832596	0.764	0.51514926	NA
## 5158	53.64493	2645.0003	0.0913520	0.868	0.60809452	NA
## 5160	52.71049	2585.7825	0.0032682	1.020	0.73190631	NA
## 5162	51.90621	2642.8073	0.0068250	1.220	0.88658461	NA
## 5164	51.66103	2864.8483	0.0822964	1.420	1.04126290	NA
## 5166	51.66510	3227.6618	0.0658388	1.664	1.25918350	NA
## 5168	52.16360	3503.2913	0.0156651	1.908	1.47710410	NA
## 5170	52.58833	4219.9901	0.1170177	2.158	1.73663650	71.66030
## 5172	52.96700	5509.3558	0.1690378	2.414	2.03778070	81.51310
## 5174	53.34967	7858.4555	-0.0014343	2.670	2.33892490	93.19990
## 5176	53.47818	7244.0213	-0.1089611	3.034	2.71965890	103.06300
## 5178	53.42382	5633.5418	-0.0699368	3.398	3.10039300	90.17020
## 5180	52.99211	3445.0714	-0.1178617	3.746	3.47022940	92.87880
## 5182	52.31355	3650.4055	-0.0209398	4.078	3.82916820	99.14970
## 5184	51.74559	3124.8762	-0.0321684	4.410	4.18810700	101.17900
## 5186	51.10508	2768.3764	0.0086484	4.734	4.56210040	102.86600
## 5188	51.21488	2631.4543	0.0537004	5.058	4.93609390	104.69600
## 5190	51.86502	3520.7467	0.1368256	5.446	5.40431330	108.81700
## 5192	52.86717	4588.9789	0.1904659	5.898	5.96675870	109.40000
## 5194	54.42008	5019.2135	0.0242977	6.350	6.52920400	105.97800
## 5196	56.98520	6053.0410	0.0288591	6.734	7.00709580	102.45100
## 5198	59.71228	6728.9755	0.1060524	7.118	7.48498770	100.82900
## 5200	62.68920	8266.2879	0.1013556	7.460	7.90256620	100.45700
## 5202	66.05660	10703.2088	0.1026630	7.760	8.25983140	99.40920
## 5204	69.30024	14172.1285	0.1788225	8.060	8.61709650	100.08400
## 5206	71.01593	16646.4247	0.0996456	8.388	8.98291810	104.89600
## 5208	71.94000	16127.6651	-0.0117912	8.716	9.34873960	107.12400
## 5210	72.25520	18263.7844	0.0549850	NA	NA	105.40400
## 5212	72.17896	16010.1180	0.0389404	NA	NA	118.39600
## 5214	71.82105	NA	NA	NA	NA	108.91600
## 5216	59.80392	NA	NA	0.258	0.11746849	NA
## 5218	57.88628	NA	NA	0.294	0.14049958	NA
## 5220	57.62608	NA	NA	0.330	0.16353067	NA
## 5222	56.53200	NA	NA	0.398	0.20108802	NA
## 5224	56.31178	NA	NA	0.466	0.23864538	NA
## 5226	55.57951	NA	NA	0.570	0.30293190	NA
## 5228	53.72599	NA	NA	0.710	0.39394758	NA
## 5230	52.46615	NA	NA	0.850	0.48496327	NA
## 5232	51.63339	NA	NA	1.082	0.65953570	NA
## 5234	51.52737	NA	NA	1.314	0.83410813	NA
## 5236	50.85385	3453.7073	0.0323334	1.538	1.01108570	70.93580
## 5238	50.10240	3772.6773	0.1515226	1.754	1.19046840	74.95320
## 5240	49.44095	4519.2485	0.1030455	1.970	1.36985110	78.15890
## 5242	49.07301	5048.0132	-0.0237799	2.278	1.61911340	89.60990
## 5244	48.90466	7124.9276	0.2132473	2.586	1.86837580	104.64400
## 5246	49.07031	5656.3837	-0.2168283	2.938	2.18726450	106.64500
## 5248	49.60954	4651.9276	-0.1430635	3.334	2.57577950	102.01100
## 5250	50.27926	4522.3881	-0.0107355	3.730	2.96429460	102.00200

## 5252	50.47737	5542.5973	0.1583223	4.070	3.42739250	103.15400
## 5254	50.74043	4953.3180	-0.1227140	4.410	3.89049050	102.35700
## 5256	51.24283	1580.1183	-1.1146370	4.682	4.24837970	108.27300
## 5258	52.01613	2786.4975	0.3681059	4.886	4.50106010	89.45040
## 5260	52.68517	2012.7105	-0.2354550	5.090	4.75374050	NA
## 5262	53.28707	3450.2064	0.1671820	5.414	5.05336210	NA
## 5264	53.79663	5069.9512	0.1192398	5.738	5.35298360	97.64720
## 5266	54.23813	4997.7556	-0.0051050	5.982	5.58738530	NA
## 5268	54.64942	2906.4690	-0.4484110	6.146	5.75656700	105.90700
## 5270	55.01572	4472.4356	0.0007334	6.310	5.92574870	NA
## 5272	55.15229	5866.8634	0.1143913	6.650	6.36998230	108.12200
## 5274	55.17614	7999.1124	0.1617622	6.990	6.81421590	NA
## 5276	55.41519	12120.6303	0.2487812	NA	NA	NA
## 5278	55.93140	13387.5883	0.0168390	NA	NA	NA
## 5280	56.29378	NA	NA	NA	NA	NA
## 5282	59.95822	4985.7687	-0.0277643	6.280	6.97645140	NA
## 5284	59.62474	5634.1300	0.0520945	6.380	7.08050190	NA
## 5286	59.32914	5850.9372	0.0237131	6.480	7.18455240	NA
## 5288	58.64502	5798.0946	0.0010977	6.576	7.30150880	NA
## 5290	58.11966	6196.0036	0.0573254	6.672	7.41846530	NA
## 5292	57.67309	6841.0516	0.0534687	6.794	7.56328430	NA
## 5294	57.70050	7295.9807	0.0386086	6.942	7.73596570	NA
## 5296	57.73558	7693.3570	0.0106297	7.090	7.90864710	NA
## 5298	57.70035	8353.4373	0.0600719	7.322	8.23417380	NA
## 5300	57.88025	9373.2975	0.0517540	7.554	8.55970050	NA
## 5302	58.07537	9736.9955	0.0313215	7.820	8.89614170	109.17700
## 5304	57.93599	11148.5478	0.0579605	8.120	9.24349730	106.41200
## 5306	57.99116	10606.9896	0.0193424	8.420	9.59085300	105.75100
## 5308	57.85933	11862.9249	0.0722694	8.756	9.93818410	108.08100
## 5310	58.33828	13231.3299	0.0240135	9.092	10.28551500	106.45900
## 5312	58.59873	13248.4792	-0.0000973	9.402	10.59372600	100.59400
## 5314	58.61285	13375.6189	-0.0075140	9.686	10.86281500	96.22550
## 5316	58.85329	13742.9330	0.0115175	9.970	11.13190500	95.10270
## 5318	59.46249	14668.2458	0.0398445	10.030	11.19858200	96.85890
## 5320	60.26861	16802.8953	0.0814772	10.090	11.26525800	98.99340
## 5322	61.53846	18235.0298	0.0126572	10.174	11.34658200	99.26090
## 5324	62.76243	19698.4294	0.0484657	10.282	11.44255400	99.15760
## 5326	64.23119	23609.2350	0.1192236	10.390	11.53852600	99.71650
## 5328	65.68365	28266.3738	0.1072407	10.498	11.62900400	78.92670
## 5330	66.99895	33598.8147	0.0638971	10.606	11.71948100	102.78900
## 5332	67.80612	37626.5430	0.0374012	10.836	11.88560200	103.93400
## 5334	68.44444	39784.2298	0.0048857	11.188	12.12736600	106.97200
## 5336	68.58365	42546.7111	0.0413351	11.540	12.36913000	106.68600
## 5338	68.51683	49726.4141	0.0838280	11.736	12.52819900	108.01100
## 5340	68.06649	42887.8067	-0.0642920	11.932	12.68726700	107.92600
## 5342	67.22365	45014.1271	0.0326366	NA	NA	105.20800
## 5344	66.01196	46574.9406	0.0151730	NA	NA	102.86100
## 5346	64.82112	NA	NA	NA	NA	101.42800
## 5348	63.48485	6832.9312	0.0864878	7.318	6.98648240	NA
## 5350	62.13720	5522.4083	-0.0340643	7.354	7.03765090	NA
## 5352	61.11111	6764.3825	0.0715189	7.390	7.08881930	NA
## 5354	59.89130	7345.7413	0.0253668	7.498	7.18095420	NA
## 5356	59.43491	8414.1153	0.0852890	7.606	7.27308900	NA
## 5358	59.17987	9554.2421	0.0925140	7.750	7.44894690	NA

## 5360	59.05579	10257.2832	0.0651407	7.930	7.70852790	NA
## 5362	59.48759	10754.0426	-0.0114632	8.110	7.96810890	NA
## 5364	60.19787	11041.8403	-0.0469732	8.330	8.30186690	NA
## 5366	60.94545	12569.8619	0.1185932	8.550	8.63562490	NA
## 5368	61.22169	14752.2262	0.0785246	8.840	9.04621020	NA
## 5370	60.83333	16515.1237	0.0414867	9.200	9.53362280	103.18500
## 5372	60.21635	16591.1974	-0.0065584	9.560	10.02103500	103.08500
## 5374	59.51025	16039.1785	-0.0183992	9.844	10.38818900	103.40900
## 5376	58.92274	16484.2026	0.0225420	10.128	10.75534200	101.87800
## 5378	58.66039	16963.5336	0.0399437	10.314	11.01989100	100.69600
## 5380	58.67476	18272.2791	0.0442019	10.402	11.18183600	99.77200
## 5382	58.76592	18093.2223	0.0074539	10.490	11.34378100	99.29940
## 5384	59.20304	20142.8248	0.0598927	10.626	11.41823200	97.87770
## 5386	59.64432	20270.9870	-0.0288906	10.762	11.49268400	97.13070
## 5388	60.15457	23510.3567	0.0810137	10.878	11.61832100	98.20710
## 5390	60.70008	25115.6876	0.0162935	10.974	11.79514600	101.38400
## 5392	61.08228	27200.4057	0.0329456	11.070	11.97197100	102.83500
## 5394	61.42256	29294.9524	0.0327978	11.178	12.03103700	NA
## 5396	61.57965	30963.4793	0.0310555	11.286	12.09010300	104.76000
## 5398	61.72403	33133.2265	-0.0021429	11.366	12.12541800	105.99500
## 5400	61.88257	30895.4190	-0.0616360	11.418	12.13698200	105.40100
## 5402	61.86491	29579.5978	-0.0226612	11.470	12.14854500	103.54500
## 5404	62.08274	30764.0573	0.0185671	11.810	12.34906000	103.15800
## 5406	62.11586	30498.9228	0.0044718	12.150	12.54957500	102.90500
## 5408	61.80392	31370.5466	0.0123596	NA	NA	104.98300
## 5410	61.19554	32839.5920	0.0229101	NA	NA	104.50000
## 5412	60.66421	NA	NA	NA	NA	104.77600
## 5414	65.97754	4642.0635	0.0684052	4.276	4.32790860	NA
## 5416	66.43836	5108.6531	0.0710907	4.408	4.45802440	NA
## 5418	66.44125	5658.4584	0.0605803	4.540	4.58814010	NA
## 5420	66.24313	6104.6775	0.0423384	4.668	4.74553940	NA
## 5422	65.72341	6784.5171	0.0598660	4.796	4.90293860	NA
## 5424	65.41020	7792.5308	0.0783205	4.934	5.07758280	NA
## 5426	65.29198	8579.7439	0.0445290	5.082	5.26947220	NA
## 5428	65.07464	8917.0391	0.0196285	5.230	5.46136150	NA
## 5430	64.64421	9983.1998	0.0650377	5.390	5.64351140	NA
## 5432	64.18349	11174.8113	0.0566683	5.550	5.82566130	NA
## 5434	63.75421	12901.1277	0.0169954	5.736	6.05211130	108.55000
## 5436	63.38954	14323.8592	0.0597248	5.948	6.32286140	108.30500
## 5438	63.21251	14653.5634	-0.0143194	6.160	6.59361150	107.48400
## 5440	63.17702	16723.2117	0.0494709	6.380	6.91748530	104.77500
## 5442	63.53834	19174.1279	0.0804892	6.600	7.24135920	102.48100
## 5444	64.37237	19744.3985	-0.0245428	6.804	7.57420090	101.93500
## 5446	65.58756	19399.1367	-0.0083799	6.992	7.91601060	101.12800
## 5448	66.63357	19841.0803	0.0096416	7.180	8.25782040	100.81900
## 5450	67.04281	22148.9908	0.0475492	7.388	8.57093020	98.94370
## 5452	67.16663	24359.5516	0.0450926	7.596	8.88404000	98.31970
## 5454	67.16830	26349.2008	0.0344677	7.814	9.21898290	98.54660
## 5456	67.03001	26532.3676	-0.0096512	8.042	9.57575890	100.15800
## 5458	66.79484	28625.3958	0.0405035	8.270	9.93253490	98.17910
## 5460	66.48166	30342.2313	0.0429401	8.474	10.17881500	99.93740
## 5462	66.08115	32874.8389	0.0227337	8.678	10.42509600	103.79600
## 5464	65.64278	34487.7583	0.0205145	8.854	10.62827100	102.23200
## 5466	65.12626	32682.0265	-0.0151844	9.002	10.78834100	101.18700

## 5468	64.65981	32515.8222	-0.0041027	9.150	10.94841200	101.44800
## 5470	64.34330	35671.6389	0.0527582	9.342	11.12005800	103.51700
## 5472	64.07364	35510.8218	-0.0257511	9.534	11.29170300	102.71500
## 5474	63.57862	36095.0544	0.0161343	NA	NA	101.66600
## 5476	62.89451	35947.3343	-0.0055857	NA	NA	101.89400
## 5478	62.19734	NA	NA	NA	NA	101.03700
## 5480	60.27211	NA	NA	3.606	3.81745500	NA
## 5482	60.13072	3121.3358	NA	3.638	3.86145590	NA
## 5484	59.34343	3737.9922	0.0721464	3.670	3.90545680	NA
## 5486	57.81058	4585.0533	0.1330042	3.750	4.01407820	NA
## 5488	55.99520	4572.2744	0.0063734	3.830	4.12269950	NA
## 5490	54.41860	4932.6312	0.0355892	3.976	4.29391740	NA
## 5492	52.69058	5305.5611	0.0904541	4.188	4.52773180	NA
## 5494	51.68662	5288.6941	-0.0062809	4.400	4.76154630	NA
## 5496	50.32051	5354.4013	-0.0151396	4.584	4.94571040	NA
## 5498	48.73418	5352.6124	0.0275831	4.768	5.12987450	NA
## 5500	48.19401	6154.0829	0.0163374	4.972	5.36798940	106.51200
## 5502	48.74875	6630.3781	-0.0035086	5.196	5.66005490	102.90900
## 5504	49.80545	6394.7438	0.0132580	5.420	5.95212050	98.71630
## 5506	51.90476	5555.1616	-0.0558357	5.684	6.27833010	99.27200
## 5508	53.17757	4709.7603	-0.1261654	5.948	6.60453970	103.33200
## 5510	54.14768	3846.0184	-0.0726891	6.190	6.89426530	102.67200
## 5512	55.08400	3821.3539	0.0106421	6.410	7.14750690	104.48400
## 5514	56.11015	3401.1415	-0.1248093	6.630	7.40074860	102.98300
## 5516	56.84122	4150.0293	0.0795012	6.838	7.68279030	105.27100
## 5518	57.58333	4419.7395	0.0101900	7.046	7.96483200	104.81600
## 5520	57.96388	4708.5112	0.0101957	7.356	8.35511390	102.23700
## 5522	58.40065	5249.5039	0.0303183	7.768	8.85363610	98.83890
## 5524	58.98251	5393.5231	0.0165863	8.180	9.35215830	NA
## 5526	59.31142	5596.3416	0.0100231	8.564	9.77908690	NA
## 5528	59.75328	5749.9807	0.0137529	8.948	10.20601500	95.12570
## 5530	60.21260	5951.9333	0.0225039	9.244	10.50415400	96.65970
## 5532	61.30240	6410.0172	0.0525227	9.452	10.67350200	95.58770
## 5534	62.13018	6792.0064	0.0319977	9.660	10.84285100	NA
## 5536	62.85714	7473.0111	0.0453062	9.744	10.89148600	NA
## 5538	64.19214	7248.8112	0.0013571	9.828	10.94012100	NA
## 5540	65.17341	7588.3960	0.0298634	NA	NA	NA
## 5542	66.47523	7477.3118	-0.0066509	NA	NA	NA
## 5544	67.33238	NA	NA	NA	NA	NA
## 5546	60.41569	2877.5746	0.0952725	6.822	6.72397350	NA
## 5548	61.12714	3199.8482	0.0333576	7.006	6.93978750	NA
## 5550	61.77327	3602.4627	0.0702944	7.190	7.15560150	NA
## 5552	62.88691	4046.8155	0.0588799	7.418	7.33029530	NA
## 5554	63.97353	4749.4687	0.0859785	7.646	7.50498900	NA
## 5556	65.37847	5894.7989	0.0967846	7.704	7.63276190	NA
## 5558	66.95867	6869.0839	0.0705042	7.592	7.71361410	NA
## 5560	68.27493	7996.0046	0.0515995	7.480	7.79446620	NA
## 5562	68.90913	9574.4630	0.0917473	7.620	8.03228170	NA
## 5564	69.17429	11833.9991	0.1033783	7.760	8.27009710	NA
## 5566	69.00904	13601.4899	0.0486403	7.940	8.53477930	100.13700
## 5568	68.40813	15607.9971	0.0629587	8.160	8.82632800	98.91300
## 5570	67.85454	15304.7086	0.0211391	8.380	9.11787670	98.74010
## 5572	67.34250	16988.5795	0.0545254	8.668	9.46011670	100.90000
## 5574	67.22834	19103.2173	0.0456448	8.956	9.80235670	100.90700

## 5576	67.25813	19224.2945	-0.0121489	9.206	10.14675300	100.97300
## 5578	67.22562	18361.6090	-0.0216303	9.418	10.49330600	99.37690
## 5580	67.42022	18731.8697	0.0187769	9.630	10.83985900	100.41400
## 5582	67.77733	21228.2631	0.0601749	9.706	11.08283800	102.25600
## 5584	68.30659	25167.9183	0.0757647	9.782	11.32581700	101.85800
## 5586	68.50688	28689.9348	0.0577164	9.958	11.58771400	101.06800
## 5588	68.35927	30338.0137	0.0245628	10.234	11.86853000	101.14300
## 5590	67.98639	32830.0530	0.0458956	10.510	12.14934600	102.81000
## 5592	67.48382	33751.3690	0.0063000	10.682	12.32719200	102.00400
## 5594	66.84198	32495.9605	-0.0125666	10.854	12.50503800	101.30500
## 5596	66.12723	33278.9034	0.0037136	11.012	12.67115800	100.74100
## 5598	65.37725	33695.3061	0.0119934	11.156	12.82555200	101.32300
## 5600	64.49872	34359.4134	0.0023184	11.300	12.97994600	101.90800
## 5602	63.56945	35470.2984	0.0205441	11.420	13.00105800	101.98300
## 5604	62.43300	33380.0102	-0.0373869	11.540	13.02217100	101.96000
## 5606	61.19748	34450.6176	-0.0114565	NA	NA	102.62900
## 5608	59.91747	35418.3153	0.0115499	NA	NA	101.57500
## 5610	58.68800	NA	NA	NA	NA	NA
## 5612	50.00000	NA	NA	1.416	0.81816767	NA
## 5614	50.72464	NA	NA	1.588	0.90397670	NA
## 5616	52.42718	1740.4069	-0.2227101	1.760	0.98978572	NA
## 5618	52.12465	2405.1659	-0.0141139	2.020	1.17128680	NA
## 5620	52.73632	2895.1967	0.0959458	2.280	1.35278800	NA
## 5622	52.82167	3357.0335	0.0954037	2.528	1.54134530	NA
## 5624	52.30126	3334.6490	-0.0002251	2.764	1.73695900	NA
## 5626	51.86567	3991.9137	0.0639687	3.000	1.93257270	NA
## 5628	51.18483	4012.0808	0.0306606	3.188	2.14118930	NA
## 5630	50.60241	3620.6908	-0.0759296	3.376	2.34980590	NA
## 5632	50.23866	2944.1386	-0.0529194	3.578	2.58802490	102.79500
## 5634	49.50276	2759.8432	-0.0808597	3.794	2.85584620	108.57000
## 5636	49.32221	2488.3126	-0.0767741	4.010	3.12366740	114.24400
## 5638	48.31014	3008.3668	0.0697298	4.226	3.50832130	113.28500
## 5640	47.77673	4105.4216	0.1356888	4.442	3.89297520	109.29900
## 5642	48.13499	4584.9225	-0.0267782	4.776	4.39735950	104.38800
## 5644	48.39770	4269.5729	-0.0195656	5.228	5.02147440	100.73600
## 5646	48.86018	4530.8677	-0.0477247	5.680	5.64558920	101.89300
## 5648	48.93768	5015.5659	0.0772877	6.052	6.12990490	104.85700
## 5650	49.37623	4709.1079	-0.0416861	6.424	6.61422060	103.85000
## 5652	50.83333	3222.6676	-0.1393404	6.804	7.04019370	100.56400
## 5654	52.95685	3479.8484	-0.0025616	7.192	7.40782420	101.47300
## 5656	55.14383	3707.5763	0.0124521	7.580	7.77545460	99.78040
## 5658	55.77634	3756.4550	0.0401640	7.892	8.16409180	NA
## 5660	56.46168	3997.5186	0.0348539	8.204	8.55272900	101.31200
## 5662	57.15514	4271.8527	0.0486069	8.502	8.91676870	NA
## 5664	57.89691	4607.2347	0.0151768	8.786	9.25621110	107.01200
## 5666	58.44358	5361.2964	0.0883627	9.070	9.59565350	105.55000
## 5668	58.82776	6742.7845	0.1135635	9.278	9.80677250	100.00500
## 5670	59.01747	9604.7862	0.1439123	9.486	10.01789200	NA
## 5672	59.34166	10262.4765	0.0478592	NA	NA	89.78770
## 5674	59.73804	10425.0771	-0.0053959	NA	NA	89.87330
## 5676	60.25364	NA	NA	NA	NA	NA
## 5678	61.06546	NA	NA	2.654	2.50682380	NA
## 5680	62.95905	NA	NA	2.782	2.62958540	NA
## 5682	63.32447	NA	NA	2.910	2.75234690	NA



## 5684	62.33766	NA	NA	3.226	3.17140170	NA
## 5686	60.49930	NA	NA	3.542	3.59045650	NA
## 5688	59.02186	NA	NA	3.802	3.94193880	NA
## 5690	57.85309	NA	NA	4.006	4.22584850	NA
## 5692	57.18451	NA	NA	4.210	4.50975820	NA
## 5694	56.95477	NA	NA	4.494	4.87549050	NA
## 5696	57.32236	NA	NA	4.778	5.24122270	NA
## 5698	58.08834	NA	NA	5.106	5.71626910	NA
## 5700	58.84583	NA	NA	5.478	6.30062970	NA
## 5702	59.69945	NA	NA	5.850	6.88499020	NA
## 5704	60.31237	NA	NA	6.250	7.39268000	NA
## 5706	60.95935	NA	NA	6.650	7.90036970	NA
## 5708	61.40957	NA	NA	6.994	8.32639980	111.65400
## 5710	61.69733	NA	NA	7.282	8.67077030	NA
## 5712	61.82664	NA	NA	7.570	9.01514080	NA
## 5714	61.94807	NA	NA	7.794	9.23478120	NA
## 5716	61.92213	NA	NA	8.018	9.45442160	113.52100
## 5718	61.79129	11026.0094	-0.0102539	8.372	9.76066570	118.04500
## 5720	61.89514	8418.7313	-0.3295279	8.856	10.15351300	123.76800
## 5722	62.41953	5967.0598	-0.1298761	9.340	10.54636100	101.04300
## 5724	63.60688	5709.5895	-0.0499744	9.820	10.84762500	98.89620
## 5726	64.87487	5376.0288	0.0098314	10.300	11.14888900	95.76360
## 5728	65.84426	6692.3516	0.0707216	10.752	11.35007100	99.35070
## 5730	66.53129	7946.2390	0.1093130	11.176	11.45117000	101.95700
## 5732	67.30171	10254.8414	0.1369696	11.600	11.55227000	101.70600
## 5734	68.03229	14058.2982	0.1278343	11.492	11.56493700	101.82200
## 5736	68.69607	15257.9740	-0.0541306	11.384	11.57760500	107.21300
## 5738	68.48308	21701.2980	0.1832485	NA	NA	108.57100
## 5740	67.56726	22856.3945	0.0377169	NA	NA	110.65900
## 5742	66.46549	NA	NA	NA	NA	110.56400
## 5744	54.65116	1832.5107	0.1416597	1.190	0.74068137	NA
## 5746	53.61832	1531.3873	-0.0637269	1.250	0.77545982	NA
## 5748	52.54970	1771.0861	0.0449610	1.310	0.81023827	NA
## 5750	50.97720	1773.6601	0.0093727	1.390	0.88259438	NA
## 5752	49.69356	1663.5698	-0.0414572	1.470	0.95495050	NA
## 5754	48.59746	1704.9290	-0.0255952	1.546	1.02348090	NA
## 5756	47.83097	1751.0440	-0.0052567	1.618	1.08818550	NA
## 5758	47.48580	1850.3324	0.0067363	1.690	1.15289010	NA
## 5760	47.13752	1991.1969	0.0052114	1.882	1.35308600	NA
## 5762	47.18090	1978.6294	0.0277510	2.074	1.55328190	NA
## 5764	47.13430	1905.7428	0.0356302	2.268	1.73766790	64.68430
## 5766	47.05695	1961.4416	-0.0144248	2.464	1.90624400	71.79920
## 5768	47.08924	1932.6449	-0.0572906	2.660	2.07482010	109.29300
## 5770	47.03785	2181.0192	0.1179605	2.960	2.38471590	104.07400
## 5772	47.11942	2080.5963	-0.0481906	3.260	2.69461170	119.34500
## 5774	47.20094	1981.1680	-0.0388880	3.554	3.01808800	116.06500
## 5776	47.26955	1991.1646	0.0127029	3.842	3.35514470	116.50700
## 5778	47.52736	2049.2398	-0.0109949	4.130	3.69220140	106.57400
## 5780	47.79453	2068.1670	-0.0332451	4.390	4.02229250	105.30800
## 5782	48.34315	2074.3498	-0.0147595	4.650	4.35238370	103.88800
## 5784	49.06281	2080.2057	0.0088234	4.876	4.62515870	98.25850
## 5786	50.09256	2028.3204	0.0214438	5.068	4.84061760	96.05820
## 5788	51.23726	2093.8735	-0.0717988	5.260	5.05607640	90.54490
## 5790	51.98618	2103.0166	-0.0203943	5.432	5.23974580	NA

## 5792	52.72368	2056.0353	-0.0143824	5.604	5.42341510	90.88510
## 5794	53.40639	1925.4944	-0.0178862	5.802	5.65973460	97.41140
## 5796	53.98262	1852.5245	-0.0163097	6.026	5.94870430	107.37100
## 5798	54.43904	1893.2257	0.0253849	6.250	6.23767390	107.67800
## 5800	54.63231	2143.3519	0.0506239	6.206	6.28807370	112.63000
## 5802	54.75051	2292.6217	0.0583439	6.162	6.33847360	113.26800
## 5804	54.88294	2542.9018	0.0405531	NA	NA	116.55200
## 5806	55.05469	2716.5447	0.0263166	NA	NA	NA
## 5808	55.33799	NA	NA	NA	NA	108.97400
## 5810	55.58875	NA	NA	NA	NA	NA
## 5812	55.22018	NA	NA	NA	NA	NA
## 5814	54.37594	NA	NA	NA	NA	NA
## 5816	53.08979	NA	NA	NA	NA	NA
## 5818	51.82496	NA	NA	NA	NA	NA
## 5820	50.93220	NA	NA	NA	NA	NA
## 5822	50.51198	NA	NA	NA	NA	NA
## 5824	50.56361	NA	NA	NA	NA	NA
## 5826	50.81405	NA	NA	NA	NA	NA
## 5828	51.54254	NA	NA	NA	NA	NA
## 5830	52.66999	NA	NA	NA	NA	103.25800
## 5832	54.00959	NA	NA	NA	NA	105.55200
## 5834	55.40032	NA	NA	NA	NA	137.91800
## 5836	56.59499	NA	NA	NA	NA	129.96700
## 5838	57.42588	NA	NA	NA	NA	129.08000
## 5840	57.61989	NA	NA	NA	NA	134.76000
## 5842	57.78909	NA	NA	NA	NA	136.72200
## 5844	57.73611	NA	NA	NA	NA	127.52600
## 5846	57.74814	NA	NA	NA	NA	115.87300
## 5848	57.19552	NA	NA	NA	NA	117.14500
## 5850	56.66891	NA	NA	NA	NA	120.47400
## 5852	56.31447	NA	NA	NA	NA	119.31300
## 5854	56.42680	NA	NA	NA	NA	118.28900
## 5856	56.65359	NA	NA	NA	NA	117.83500
## 5858	57.26858	NA	NA	NA	NA	108.48000
## 5860	58.01217	NA	NA	NA	NA	118.04600
## 5862	59.32594	NA	NA	NA	NA	116.14500
## 5864	60.25280	NA	NA	NA	NA	111.98000
## 5866	61.04962	NA	NA	NA	NA	106.01200
## 5868	60.79948	NA	NA	NA	NA	110.81400
## 5870	60.93544	NA	NA	NA	NA	NA
## 5872	61.70414	NA	NA	NA	NA	NA
## 5874	61.98003	NA	NA	NA	NA	104.46300
## 5876	55.85212	NA	NA	NA	NA	NA
## 5878	58.60542	NA	NA	NA	NA	NA
## 5880	59.76698	NA	NA	NA	NA	NA
## 5882	60.76923	NA	NA	NA	NA	NA
## 5884	60.18303	NA	NA	NA	NA	NA
## 5886	59.91696	NA	NA	NA	NA	NA
## 5888	61.32879	NA	NA	NA	NA	NA
## 5890	61.38673	NA	NA	NA	NA	NA
## 5892	60.17094	NA	NA	NA	NA	NA
## 5894	57.18725	NA	NA	NA	NA	NA
## 5896	56.00616	NA	NA	NA	NA	NA
## 5898	56.93493	NA	NA	NA	NA	NA

## 5900	58.15102	NA	NA	NA	NA	NA
## 5902	59.27876	NA	NA	NA	NA	NA
## 5904	60.32724	NA	NA	NA	NA	NA
## 5906	62.14208	NA	NA	NA	NA	NA
## 5908	63.69521	NA	NA	NA	NA	NA
## 5910	65.51262	NA	NA	NA	NA	NA
## 5912	66.76695	NA	NA	NA	NA	NA
## 5914	68.42105	NA	NA	NA	NA	NA
## 5916	68.82057	NA	NA	NA	NA	NA
## 5918	67.93738	NA	NA	NA	NA	NA
## 5920	67.12980	NA	NA	NA	NA	NA
## 5922	66.83920	NA	NA	NA	NA	NA
## 5924	67.05436	NA	NA	NA	NA	NA
## 5926	67.03641	NA	NA	NA	NA	NA
## 5928	66.76936	NA	NA	NA	NA	NA
## 5930	66.62565	NA	NA	NA	NA	NA
## 5932	66.71800	NA	NA	NA	NA	NA
## 5934	67.03297	NA	NA	NA	NA	99.78940
## 5936	67.25945	NA	NA	NA	NA	NA
## 5938	67.31359	NA	NA	NA	NA	NA
## 5940	67.65713	NA	NA	NA	NA	76.83380
## 5942	56.34602	NA	NA	4.604	4.09798960	NA
## 5944	56.83245	1081.4253	NA	4.812	4.27552560	NA
## 5946	57.30443	1160.1255	0.0581932	5.020	4.45306160	NA
## 5948	57.35566	1242.0083	0.0807695	4.692	4.14304520	NA
## 5950	56.60704	1213.7979	-0.0233698	4.364	3.83302870	NA
## 5952	55.83022	1195.7673	0.0174356	4.424	3.97272340	NA
## 5954	54.97743	1298.0978	0.1013761	4.872	4.56212930	NA
## 5956	54.04870	1396.3742	0.0227690	5.320	5.15153520	NA
## 5958	54.44497	1599.9102	0.0353251	5.668	5.57237400	NA
## 5960	54.79274	1963.8860	0.1148210	6.016	5.99321270	NA
## 5962	55.72777	2396.0989	0.1319094	6.376	6.43108710	105.66800
## 5964	57.18662	3224.0612	0.1812677	6.748	6.88599690	106.82800
## 5966	58.67778	4021.0737	0.1129742	7.120	7.34090680	104.06700
## 5968	60.30368	4885.3663	0.0792799	7.524	7.82282400	103.36600
## 5970	61.74282	5458.7583	0.0298166	7.928	8.30474130	104.94300
## 5972	63.13851	5070.6817	0.0386143	8.304	8.77205100	105.90800
## 5974	64.33406	6051.6347	0.1086969	8.652	9.22475320	104.90900
## 5976	65.54261	6929.8039	0.0503206	9.000	9.67745540	101.83900
## 5978	66.93933	8999.6486	0.1266241	9.340	10.13084300	102.09700
## 5980	68.56847	10949.3800	0.0756292	9.680	10.58423100	104.21400
## 5982	69.77034	13360.8546	0.1034212	9.978	10.96106600	106.24400
## 5984	70.22699	15512.2483	0.0811348	10.234	11.26134800	105.11200
## 5986	70.64418	18982.7753	0.1014814	10.490	11.56163100	104.16200
## 5988	70.74553	20825.1857	0.0401697	10.718	11.85780500	102.07800
## 5990	71.10451	21360.1783	0.0880146	10.946	12.15397900	103.04700
## 5992	71.05445	23344.4235	0.0350103	11.140	12.40867600	101.22800
## 5994	70.94687	26008.4677	0.0324659	11.300	12.62189700	107.48300
## 5996	71.28401	28119.1993	0.0301571	11.460	12.83511900	111.62900
## 5998	71.06973	30238.9094	0.0464306	11.696	13.14417700	105.75400
## 6000	71.14647	30426.9860	0.0147467	11.932	13.45323400	101.41300
## 6002	71.37503	32543.3935	0.0066833	NA	NA	102.51000
## 6004	71.53570	34122.7271	0.0321074	NA	NA	99.03200
## 6006	71.32580	NA	NA	NA	NA	99.00910

## 6008	51.47059	NA	NA	1.552	0.83776888	NA
## 6010	52.00000	NA	NA	1.696	0.96847905	NA
## 6012	51.31579	NA	NA	1.840	1.09918920	NA
## 6014	50.63291	NA	NA	2.060	1.35368020	NA
## 6016	50.57471	NA	NA	2.280	1.60817120	NA
## 6018	50.00000	NA	NA	2.482	1.86440560	NA
## 6020	51.06383	NA	NA	2.666	2.12238350	NA
## 6022	51.35135	NA	NA	2.850	2.38036150	NA
## 6024	49.57627	NA	NA	3.018	2.64323060	NA
## 6026	48.97959	NA	NA	3.186	2.90609970	NA
## 6028	48.31461	37403.9417	0.1626692	3.318	3.11997950	88.29040
## 6030	48.21853	34940.1500	-0.0490446	3.414	3.28487020	89.46470
## 6032	49.06054	55426.8762	-0.2120094	3.510	3.44976080	93.51480
## 6034	49.71429	54006.2691	-0.0396166	3.950	4.00263940	103.04600
## 6036	51.32275	66036.9667	0.2954912	4.390	4.55551790	102.08100
## 6038	52.83630	51166.8420	-0.2340450	4.796	5.05859660	100.23900
## 6040	54.74777	39534.0116	-0.0273666	5.168	5.51187530	102.40000
## 6042	57.04787	35049.6504	-0.0962105	5.540	5.96515400	106.08100
## 6044	58.38150	29053.0131	0.1150837	5.692	6.08920280	102.79300
## 6046	60.56485	27573.6633	0.1190901	5.844	6.21325160	95.84700
## 6048	62.75565	12246.9387	-0.5119076	5.958	6.29536950	60.59330
## 6050	63.62484	35017.5904	0.3532515	6.034	6.33555660	69.20800
## 6052	62.50000	41814.5955	0.0386229	6.110	6.37574370	89.95980
## 6054	64.09884	42413.5259	-0.0169668	6.102	6.45360540	105.21600
## 6056	65.39974	39213.0290	-0.0783052	6.094	6.53146700	104.05400
## 6058	66.26066	34964.4651	-0.1134443	6.086	6.61835420	105.57200
## 6060	66.74419	43211.9689	0.1650038	6.078	6.71426690	109.91500
## 6062	66.95187	65134.5777	0.2325058	6.070	6.81017970	108.70700
## 6064	69.36685	77275.5746	0.0217209	6.178	6.90310260	104.83900
## 6066	71.15385	58980.4633	-0.3365526	6.286	6.99602550	101.63100
## 6068	72.23397	74705.2457	0.1771851	NA	NA	106.80100
## 6070	72.92327	72918.8986	-0.0704212	NA	NA	104.19000
## 6072	73.15358	NA	NA	NA	NA	NA
## 6074	63.60691	NA	NA	4.116	4.01254270	NA
## 6076	63.99584	NA	NA	4.268	4.19281960	NA
## 6078	63.27345	NA	NA	4.420	4.37309660	NA
## 6080	61.42857	NA	NA	4.512	4.52140650	NA
## 6082	58.93502	NA	NA	4.604	4.66971650	NA
## 6084	56.91264	NA	NA	4.744	4.87287890	NA
## 6086	54.99208	NA	NA	4.932	5.13089380	NA
## 6088	53.74907	NA	NA	5.120	5.38890870	NA
## 6090	53.03983	NA	NA	5.340	5.69260050	NA
## 6092	53.07743	NA	NA	5.560	5.99629220	NA
## 6094	53.53982	NA	NA	5.830	6.41221270	NA
## 6096	53.79939	NA	NA	6.150	6.94036200	NA
## 6098	54.48680	NA	NA	6.470	7.46851130	NA
## 6100	55.46123	NA	NA	6.862	7.86473380	NA
## 6102	56.46481	NA	NA	7.254	8.26095640	NA
## 6104	57.21785	NA	NA	7.582	8.61760360	115.76700
## 6106	57.48865	NA	NA	7.846	8.93467530	NA
## 6108	57.53757	NA	NA	8.110	9.25174710	NA
## 6110	57.27612	NA	NA	8.306	9.43476110	NA
## 6112	57.10419	NA	NA	8.502	9.61777520	110.89500
## 6114	56.85929	7367.9714	-0.0067368	8.666	9.74418490	110.28100

## 6116	56.62598	4833.1185	-0.1720238	8.798	9.81399010	110.67200
## 6118	56.70810	2966.6176	-0.2359433	8.930	9.88379530	111.33200
## 6120	57.66028	2450.4774	-0.1330900	9.118	9.82521460	100.27200
## 6122	58.76663	2038.8131	0.0029140	9.306	9.76663390	96.49100
## 6124	60.01580	2084.3391	0.0037532	9.498	9.86495850	95.72590
## 6126	61.51135	2125.1582	0.0712790	9.694	10.12018800	96.02070
## 6128	63.24952	2093.9244	-0.0456605	9.890	10.37541800	97.73890
## 6130	64.55026	2492.7059	0.1126857	10.218	10.61458900	97.37610
## 6132	65.45655	2815.5684	0.0410991	10.546	10.85375900	97.36160
## 6134	65.60057	3437.4305	0.1787901	NA	NA	98.43940
## 6136	65.20991	3320.2909	0.0476913	NA	NA	106.07400
## 6138	64.50000	NA	NA	NA	NA	107.35900
## 6140	57.14286	NA	NA	1.278	NA	NA
## 6142	56.70665	NA	NA	1.334	NA	NA
## 6144	56.39958	NA	NA	1.390	NA	NA
## 6146	56.00794	NA	NA	1.462	NA	NA
## 6148	55.69260	NA	NA	1.534	NA	NA
## 6150	55.48504	NA	NA	1.608	NA	NA
## 6152	55.41126	NA	NA	1.684	NA	NA
## 6154	55.66584	NA	NA	1.760	NA	NA
## 6156	55.21327	NA	NA	1.880	NA	NA
## 6158	55.31274	NA	NA	2.000	NA	NA
## 6160	55.18969	804.0245	0.0216589	2.132	NA	58.21890
## 6162	54.88467	856.8631	0.0575314	2.276	NA	61.56000
## 6164	54.84081	904.7794	0.0440173	2.420	NA	NA
## 6166	53.76821	889.7911	-0.0309591	2.588	NA	99.43800
## 6168	52.88283	856.7212	-0.0409794	2.756	NA	102.94000
## 6170	52.36669	1054.1993	0.1252980	2.918	NA	103.81500
## 6172	52.34286	1147.8942	0.0355330	3.074	NA	99.06670
## 6174	52.38353	1213.6454	0.0842338	3.230	NA	97.48670
## 6176	52.35897	1199.3176	-0.0324640	3.374	NA	NA
## 6178	52.44789	1287.7004	0.0612602	3.518	NA	NA
## 6180	52.42452	1354.3579	0.0133162	3.656	NA	98.24950
## 6182	52.31102	1433.6699	0.0318227	3.788	NA	102.00500
## 6184	52.48256	1575.4704	0.0423994	3.920	NA	106.13100
## 6186	52.59638	1723.9990	0.0365782	4.052	NA	110.10200
## 6188	53.18665	1914.5005	0.0884252	4.184	NA	108.99600
## 6190	53.99853	1976.0999	0.0549054	4.324	NA	104.30400
## 6192	55.15281	2065.0386	0.0134454	4.472	NA	107.81400
## 6194	56.47383	2149.7526	-0.0056849	4.620	NA	111.69400
## 6196	57.88071	2795.6229	0.1626472	4.780	NA	115.47500
## 6198	59.29745	3534.5887	0.1517982	4.940	NA	120.72300
## 6200	60.31201	4325.6585	0.1338835	NA	NA	121.65000
## 6202	61.13629	5111.4888	0.0571165	NA	NA	118.86200
## 6204	61.77934	NA	NA	NA	NA	111.34600
## 6206	65.18987	NA	NA	3.884	4.03710580	NA
## 6208	65.79892	NA	NA	3.972	4.18308220	NA
## 6210	66.48983	NA	NA	4.060	4.32905860	NA
## 6212	67.12923	NA	NA	4.248	4.61113810	NA
## 6214	67.65705	NA	NA	4.436	4.89321750	NA
## 6216	67.61032	NA	NA	4.604	5.15235380	NA
## 6218	66.96648	NA	NA	4.752	5.38854720	NA
## 6220	66.74718	NA	NA	4.900	5.62474050	NA
## 6222	66.34921	NA	NA	5.092	5.88563420	NA

## 6224	65.83072	NA	NA	5.284	6.14652780	NA
## 6226	65.68779	NA	NA	5.496	6.41822570	NA
## 6228	65.24390	NA	NA	5.728	6.70072780	NA
## 6230	65.13554	NA	NA	5.960	6.98322990	NA
## 6232	65.00000	NA	NA	6.256	7.42850600	NA
## 6234	65.13694	NA	NA	6.552	7.87378200	NA
## 6236	65.37051	NA	NA	6.844	8.26294830	102.16400
## 6238	65.64774	NA	NA	7.132	8.59600490	98.62350
## 6240	65.61151	NA	NA	7.420	8.92906150	99.22910
## 6242	65.34373	NA	NA	7.648	9.15916330	117.76400
## 6244	64.96146	NA	NA	7.876	9.38926500	117.45400
## 6246	64.61864	14819.2086	-0.1029882	8.190	9.63861880	98.17810
## 6248	63.76812	9540.4654	-0.0697393	8.590	9.90722460	90.84010
## 6250	63.53468	8185.0172	-0.0363827	8.990	10.17583000	85.98440
## 6252	63.92694	8899.4313	0.0748301	9.130	10.35771500	96.11550
## 6254	64.62848	10346.4595	0.0608263	9.270	10.53960000	98.51130
## 6256	65.11444	11373.1582	0.0603456	9.524	10.71245700	100.39900
## 6258	65.15764	13077.3833	0.0454664	9.892	10.87628800	96.83980
## 6260	65.45153	15073.9045	0.0779581	10.260	11.04011900	93.65900
## 6262	65.02547	19888.4990	0.1512365	10.416	11.21732200	97.59760
## 6264	64.69565	17805.8917	-0.1415825	10.572	11.39452500	103.78900
## 6266	63.87154	19802.0673	0.0956202	NA	NA	105.29600
## 6268	63.15307	22580.5414	0.0630512	NA	NA	102.73100
## 6270	62.41799	NA	NA	NA	NA	99.66520
## 6272	57.62963	NA	NA	NA	NA	NA
## 6274	56.52174	NA	NA	NA	NA	NA
## 6276	55.38058	NA	NA	NA	NA	NA
## 6278	54.17690	NA	NA	NA	NA	NA
## 6280	53.16456	NA	NA	NA	NA	NA
## 6282	52.42718	NA	NA	NA	NA	NA
## 6284	51.21704	NA	NA	NA	NA	NA
## 6286	51.25241	NA	NA	NA	NA	NA
## 6288	51.66976	NA	NA	NA	NA	NA
## 6290	52.73543	NA	NA	NA	NA	NA
## 6292	53.69416	6441.4884	0.0632820	NA	NA	135.93800
## 6294	54.48613	7279.8853	0.0394287	NA	NA	NA
## 6296	55.37255	4928.6956	-0.3848944	NA	NA	NA
## 6298	55.81216	3754.0711	0.5769229	NA	NA	NA
## 6300	56.11621	4366.2849	0.1288862	NA	NA	NA
## 6302	56.85087	4501.4505	0.0049458	NA	NA	121.80200
## 6304	57.91045	3695.4107	0.2703686	NA	NA	116.47300
## 6306	59.12786	6237.2757	0.1353912	NA	NA	101.01100
## 6308	59.94087	6696.2474	0.1903343	NA	NA	123.97200
## 6310	61.01695	2882.2680	-0.5310292	NA	NA	109.80800
## 6312	61.76471	5354.1142	0.3177443	NA	NA	NA
## 6314	62.52560	4679.6341	0.0382442	NA	NA	111.56300
## 6316	63.17855	5242.5251	0.0579367	NA	NA	116.65700
## 6318	63.80525	5648.4690	0.0325136	NA	NA	122.54700
## 6320	64.68005	6920.6990	0.0706291	NA	NA	134.14400
## 6322	64.23488	8095.2672	0.1010323	NA	NA	127.82800
## 6324	63.47305	9760.7821	0.0814190	NA	NA	112.40200
## 6326	63.59001	12844.7561	0.1204405	NA	NA	103.36400
## 6328	64.90000	13322.0616	0.0784187	NA	NA	101.97900
## 6330	66.52004	16704.5198	0.1619720	NA	NA	104.03900

## 6332	67.30173	15527.7185	-0.0887289	NA	NA	103.75000
## 6334	67.43032	14613.8830	-0.0224905	NA	NA	97.14630
## 6336	67.58242	NA	NA	NA	NA	92.41380
## 6338	55.07614	NA	NA	2.522	3.25440560	NA
## 6340	54.67980	NA	NA	2.626	3.37591330	NA
## 6342	55.02392	NA	NA	2.730	3.49742100	NA
## 6344	54.75638	NA	NA	2.822	3.59462740	NA
## 6346	54.26009	NA	NA	2.914	3.69183370	NA
## 6348	54.42765	549.4136	-0.0580649	3.016	3.80262660	NA
## 6350	54.77178	702.8002	0.1092019	3.128	3.92700600	NA
## 6352	54.98008	734.5556	-0.0274038	3.240	4.05138530	NA
## 6354	54.31862	823.4413	0.0498385	3.364	4.21300580	NA
## 6356	54.24354	820.9218	0.0006132	3.488	4.37462640	NA
## 6358	54.43262	730.6486	-0.1183105	3.622	4.55287600	85.10490
## 6360	54.32937	1047.6442	0.1922841	3.766	4.74775470	88.82670
## 6362	54.22078	984.2132	-0.0320139	3.910	4.94263350	100.34200
## 6364	54.10853	1134.3214	0.1511087	4.066	5.13379520	97.22540
## 6366	54.06204	1124.6593	-0.2061605	4.222	5.32495700	95.94520
## 6368	53.59661	1058.4425	-0.0095472	4.368	5.50101140	99.89700
## 6370	53.43203	989.5421	-0.0312467	4.504	5.66195820	105.09600
## 6372	53.30739	1003.3109	0.0519729	4.640	5.82290510	108.22900
## 6374	53.28283	1010.4284	-0.0044374	4.832	6.04436490	110.31000
## 6376	53.08642	1154.2215	0.0294194	5.024	6.26582470	111.49000
## 6378	53.35731	1174.9122	-0.0137987	5.228	6.49832280	111.44600
## 6380	54.05093	1303.9847	0.0662041	5.444	6.74185920	106.47300
## 6382	54.58613	1423.9344	0.0323377	5.660	6.98539560	111.99200
## 6384	54.60455	1509.6460	0.0369205	5.880	7.23497180	107.68100
## 6386	55.01584	1627.6966	0.0400095	6.100	7.48454800	105.14400
## 6388	55.23316	1817.8407	0.0692968	6.354	7.77120730	118.30700
## 6390	55.73770	1815.1803	0.0004735	6.642	8.09494970	120.83200
## 6392	56.23100	1930.4578	0.0294294	6.930	8.41869210	117.13800
## 6394	57.05706	2019.9118	0.0238891	6.498	7.90410990	110.91000
## 6396	57.79093	2049.7232	-0.0174174	6.066	7.38952770	109.37400
## 6398	58.56728	2312.4767	0.0698175	NA	NA	110.97100
## 6400	59.14692	2314.8879	-0.0068569	NA	NA	107.97500
## 6402	59.55473	NA	NA	NA	NA	105.52000
## 6404	54.18502	NA	NA	0.580	0.28905311	NA
## 6406	54.23729	NA	NA	0.600	0.29746234	NA
## 6408	54.87805	NA	NA	0.620	0.30587156	NA
## 6410	54.75728	NA	NA	0.664	0.32531547	NA
## 6412	55.28757	NA	NA	0.708	0.34475938	NA
## 6414	55.22124	NA	NA	0.770	0.38059242	NA
## 6416	54.46880	NA	NA	0.850	0.43281459	NA
## 6418	54.09310	1350.9920	-0.0294971	0.930	0.48503676	NA
## 6420	53.58779	1476.7666	0.0280843	1.018	0.53885485	NA
## 6422	53.83502	1693.5491	0.0944982	1.106	0.59267294	NA
## 6424	53.63512	1603.3325	0.0289454	1.252	0.67459297	37.61780
## 6426	53.24675	1645.9405	0.0506439	1.456	0.78461493	NA
## 6428	53.30882	1510.7006	-0.0650272	1.660	0.89463688	40.73850
## 6430	53.00926	1541.2307	-0.0603185	1.876	1.02497490	NA
## 6432	52.83224	1482.3980	-0.0331092	2.092	1.15531290	46.35280
## 6434	52.54065	1090.2033	-0.1907825	2.298	1.29369950	NA
## 6436	52.07940	993.4903	-0.0464740	2.494	1.44013450	NA
## 6438	52.22121	910.5320	-0.0039668	2.690	1.58656960	NA

## 6440	52.17786	924.3726	0.0404649	2.822	1.71463940	NA
## 6442	52.37651	1037.9253	0.0442781	2.954	1.84270930	NA
## 6444	52.50482	470.5935	-0.1067123	3.032	1.92220370	NA
## 6446	52.97619	204.8289	-0.3892021	3.056	1.95312270	NA
## 6448	53.20574	148.0268	-0.0729132	3.080	1.98404170	NA
## 6450	53.62563	273.2529	0.6518116	3.244	2.12842500	NA
## 6452	53.82374	376.2691	0.1367135	3.408	2.27280830	95.16740
## 6454	53.96931	626.0564	0.1828790	3.562	2.43727070	NA
## 6456	53.84615	509.9902	-0.4519119	3.706	2.62181220	NA
## 6458	54.11043	511.8254	0.0424528	3.850	2.80635380	NA
## 6460	53.81984	571.3583	0.0265393	3.990	3.05334630	NA
## 6462	53.81378	670.0756	0.0816817	4.130	3.30033890	99.63820
## 6464	53.92205	721.8290	0.0230317	NA	NA	102.38500
## 6466	54.48146	803.1058	0.0548377	NA	NA	NA
## 6468	55.01343	NA	NA	NA	NA	93.91630
## 6470	55.83942	NA	NA	0.462	0.03728257	NA
## 6472	55.14834	NA	NA	0.506	0.04561394	NA
## 6474	54.98339	NA	NA	0.550	0.05394531	NA
## 6476	54.40252	NA	NA	0.602	0.06893484	NA
## 6478	54.14201	NA	NA	0.654	0.08392438	NA
## 6480	53.73961	NA	NA	0.744	0.11998191	NA
## 6482	52.84238	NA	NA	0.872	0.17710743	NA
## 6484	51.97605	NA	NA	1.000	0.23423296	NA
## 6486	51.10619	NA	NA	1.212	0.33179868	NA
## 6488	50.20367	NA	NA	1.424	0.42936440	NA
## 6490	49.20337	NA	NA	1.662	0.58469242	102.15700
## 6492	48.53448	NA	NA	1.926	0.79778272	118.24400
## 6494	48.05401	NA	NA	2.190	1.01087300	119.86000
## 6496	47.53857	NA	NA	2.618	1.64345280	116.75100
## 6498	47.40791	NA	NA	3.046	2.27603260	116.47600
## 6500	47.96696	NA	NA	3.470	2.91540360	112.51900
## 6502	48.84273	NA	NA	3.890	3.56156570	114.09900
## 6504	50.02782	NA	NA	4.310	4.20772790	NA
## 6506	51.25523	NA	NA	4.654	4.67169530	NA
## 6508	52.59259	NA	NA	4.998	5.13566270	NA
## 6510	54.15298	NA	NA	5.314	5.58356090	NA
## 6512	56.10413	NA	NA	5.602	6.01538990	NA
## 6514	58.05340	NA	NA	5.890	6.44721890	NA
## 6516	59.94200	NA	NA	6.250	7.08559330	NA
## 6518	61.49242	NA	NA	6.610	7.72396770	109.78900
## 6520	63.16801	NA	NA	6.916	8.30362360	108.04700
## 6522	64.75167	NA	NA	7.168	8.82456090	109.56300
## 6524	65.98858	NA	NA	7.420	9.34549830	108.17100
## 6526	66.47240	NA	NA	7.652	9.79142860	NA
## 6528	66.57842	NA	NA	7.884	10.23735900	NA
## 6530	66.39610	NA	NA	NA	NA	NA
## 6532	66.07431	NA	NA	NA	NA	NA
## 6534	65.82319	NA	NA	NA	NA	NA
## 6536	64.13352	NA	NA	3.802	3.90840260	NA
## 6538	64.49788	NA	NA	3.986	4.11541990	NA
## 6540	64.80056	NA	NA	4.170	4.32243730	NA
## 6542	65.12750	NA	NA	4.418	4.65178180	NA
## 6544	65.76455	NA	NA	4.666	4.98112620	NA
## 6546	65.65189	NA	NA	4.882	5.32419640	NA



## 6548	65.05168	NA	NA	5.066	5.68099220	NA
## 6550	64.35331	NA	NA	5.250	6.03778800	NA
## 6552	63.84425	NA	NA	5.498	6.38801750	NA
## 6554	63.21212	NA	NA	5.746	6.73824700	NA
## 6556	63.13912	NA	NA	6.006	7.13984980	NA
## 6558	63.38192	NA	NA	6.278	7.59282600	NA
## 6560	63.70922	NA	NA	6.550	8.04580220	NA
## 6562	63.94366	NA	NA	6.870	8.46132090	NA
## 6564	64.40866	NA	NA	7.190	8.87683960	NA
## 6566	65.07937	NA	NA	7.516	9.29844300	79.42760
## 6568	65.73125	NA	NA	7.848	9.72613100	NA
## 6570	66.02871	NA	NA	8.180	10.15381900	NA
## 6572	65.96968	NA	NA	8.432	10.39613100	NA
## 6574	65.58475	NA	NA	8.684	10.63844300	90.25940
## 6576	65.16162	11880.8920	-0.0917540	8.882	10.78959300	91.91320
## 6578	64.72408	8416.2315	-0.1721516	9.026	10.84958100	94.30460
## 6580	64.66910	8193.4765	0.0349836	9.170	10.90957000	98.79650
## 6582	64.51954	9795.7054	0.1021538	9.298	10.84762200	101.66400
## 6584	64.72163	10899.6641	0.0283279	9.426	10.78567400	103.49000
## 6586	64.82085	12601.2592	0.0755520	9.672	10.83512500	108.68800
## 6588	64.83214	14719.6365	0.0829611	10.036	10.99597400	100.54300
## 6590	64.93289	16177.6825	0.0514221	10.400	11.15682300	94.63960
## 6592	65.16276	19962.4603	0.1285639	10.596	11.40340100	98.02540
## 6594	65.31927	18884.7683	-0.1137171	10.792	11.64997900	100.46300
## 6596	64.97585	22490.6094	0.0983181	NA	NA	98.66910
## 6598	64.29018	26730.4347	0.0767174	NA	NA	100.97700
## 6600	63.61880	NA	NA	NA	NA	103.43900
## 6602	69.59459	14958.5189	0.2134857	3.522	4.69230340	NA
## 6604	69.33333	14605.7123	-0.1436176	3.786	5.11361930	NA
## 6606	69.73684	15505.4683	0.0599480	4.050	5.53493520	NA
## 6608	68.38710	17531.7408	0.0191860	4.234	5.90469440	NA
## 6610	67.72152	16926.2399	0.0003586	4.418	6.27445360	NA
## 6612	66.45963	19160.0448	-0.0175390	4.674	6.54757050	NA
## 6614	66.06061	18606.4440	0.0110407	5.002	6.72404500	NA
## 6616	64.88095	20104.9208	0.0083971	5.330	6.90051950	NA
## 6618	64.70588	20283.0969	0.0113297	5.682	7.14757090	NA
## 6620	64.53488	24378.0665	0.1270590	6.034	7.39462220	NA
## 6622	64.00000	24797.8315	-0.0490580	6.552	7.62223930	110.81200
## 6624	64.40678	29622.7530	0.1206493	7.236	7.83042210	107.76900
## 6626	64.44444	26817.8225	-0.1910620	7.920	8.03860490	95.50550
## 6628	65.02732	27289.1654	-0.0341759	8.040	8.21124980	95.03420
## 6630	65.94595	30103.5281	0.0341911	8.160	8.38389480	93.57140
## 6632	66.84492	29987.7926	-0.0366259	8.276	8.54355680	89.18660
## 6634	68.61702	29676.6934	-0.0116320	8.388	8.69023580	88.71060
## 6636	68.78307	30441.6404	0.0080595	8.500	8.83691480	NA
## 6638	67.36842	34711.9429	0.0337667	8.664	9.00680860	88.92800
## 6640	66.32124	42358.7565	0.0990705	8.828	9.17670240	NA
## 6642	66.49746	47357.4791	0.0762959	8.972	9.32930020	90.77370
## 6644	65.84158	50578.6956	0.0693464	9.096	9.46460200	NA
## 6646	65.38462	53324.9859	0.0073605	9.220	9.59990380	95.50710
## 6648	65.42056	55932.3222	0.0267868	9.352	9.74567190	95.10700
## 6650	65.75342	67167.1220	0.1184454	9.484	9.89144010	99.78770
## 6652	65.02242	68759.7674	-0.0364113	9.692	10.09506900	100.12600
## 6654	65.19824	70394.4637	0.0013866	9.976	10.35656000	99.39920

## 6656	65.51724	73963.0099	-0.0109520	10.260	10.61805100	100.80600
## 6658	65.41667	86322.5006	0.0594606	10.552	10.92696000	101.52600
## 6660	66.80000	80863.4689	-0.0814342	10.844	11.23586800	NA
## 6662	67.04981	90444.9889	0.0724287	NA	NA	96.56110
## 6664	67.27941	91816.9731	0.0097990	NA	NA	96.54360
## 6666	69.14894	NA	NA	NA	NA	NA
## 6668	69.79167	NA	NA	3.294	3.01837170	NA
## 6670	68.08511	NA	NA	3.322	3.06452670	NA
## 6672	64.83516	NA	NA	3.350	3.11068180	NA
## 6674	61.79775	NA	NA	3.402	3.19019860	NA
## 6676	56.81818	NA	NA	3.454	3.26971530	NA
## 6678	56.04396	NA	NA	3.526	3.36112440	NA
## 6680	51.54639	NA	NA	3.618	3.46442590	NA
## 6682	50.47619	NA	NA	3.710	3.56772740	NA
## 6684	50.44248	NA	NA	3.850	3.72956980	NA
## 6686	51.23967	NA	NA	3.990	3.89141220	NA
## 6688	55.20000	6774.3049	0.0641203	4.156	4.07032830	59.05570
## 6690	57.60000	7906.2843	0.0807686	4.348	4.26631800	62.67980
## 6692	59.83607	9394.2310	0.0863647	4.540	4.46230780	64.52950
## 6694	61.66667	11108.5001	0.0842609	4.664	4.57320290	95.00360
## 6696	64.70588	12918.0204	0.0681019	4.788	4.68409810	100.27800
## 6698	65.32258	14654.8164	0.0602446	4.950	4.83315380	NA
## 6700	65.92593	15820.3096	0.0588293	5.150	5.02037000	NA
## 6702	67.78523	16359.1147	-0.0261116	5.350	5.20758630	NA
## 6704	66.46341	19525.7006	0.1322231	5.478	5.32019780	NA
## 6706	67.97753	21356.2118	0.0239611	5.606	5.43280930	112.58600
## 6708	68.42105	24196.2730	0.0396481	5.770	5.66146810	105.55400
## 6710	66.66667	29659.6839	0.0405636	5.970	6.00617410	108.31000
## 6712	67.80488	31436.4948	0.0455370	6.170	6.35088010	NA
## 6714	67.60563	29805.8083	-0.0323725	6.374	6.68889960	NA
## 6716	69.09091	26870.5287	-0.0237217	6.578	7.02691900	100.04700
## 6718	71.80617	27514.3956	0.0126934	6.844	7.40525650	103.17200
## 6720	75.21368	33673.6799	0.1239729	7.172	7.82391200	105.26900
## 6722	76.63934	44782.8342	0.0641594	7.500	8.24256740	104.58000
## 6724	78.59922	60647.3594	0.1531429	7.916	8.72907160	102.65900
## 6726	80.07380	67550.2219	0.0505753	8.332	9.21557580	96.24250
## 6728	80.28169	107600.0736	0.2149534	NA	NA	94.59510
## 6730	80.33898	128000.1168	0.0925798	NA	NA	93.66340
## 6732	78.68852	NA	NA	NA	NA	100.38900
## 6734	56.94228	NA	NA	NA	NA	NA
## 6736	56.73653	NA	NA	NA	NA	NA
## 6738	57.47460	NA	NA	NA	NA	NA
## 6740	57.06215	NA	NA	NA	NA	NA
## 6742	57.30028	NA	NA	NA	NA	NA
## 6744	57.31544	NA	NA	NA	NA	NA
## 6746	57.72251	NA	NA	NA	NA	NA
## 6748	58.65140	NA	NA	NA	NA	NA
## 6750	59.67941	NA	NA	NA	NA	NA
## 6752	60.81243	NA	NA	NA	NA	NA
## 6754	61.84364	NA	NA	NA	NA	NA
## 6756	62.68657	NA	NA	NA	NA	NA
## 6758	63.17568	NA	NA	NA	NA	NA
## 6760	63.48684	NA	NA	NA	NA	NA
## 6762	63.85928	NA	NA	NA	NA	NA

## 6764	64.50939	NA	NA	NA	NA	NA
## 6766	65.43210	NA	NA	NA	NA	NA
## 6768	66.36086	NA	NA	NA	NA	NA
## 6770	66.53185	NA	NA	NA	NA	NA
## 6772	66.66667	NA	NA	NA	NA	NA
## 6774	66.53185	7048.5772	0.0149164	NA	NA	NA
## 6776	66.59857	6433.1095	-0.0133944	NA	NA	95.65400
## 6778	66.87179	6963.3257	0.0473423	NA	NA	98.84230
## 6780	67.27642	7111.2838	0.0106916	NA	NA	102.78800
## 6782	67.66767	7946.9301	0.0768709	NA	NA	102.36200
## 6784	67.95252	8078.8674	-0.0018311	NA	NA	98.44990
## 6786	68.30226	7741.6431	-0.0030813	NA	NA	95.25420
## 6788	68.45703	8602.5356	0.0770454	NA	NA	94.29430
## 6790	68.90185	9801.3690	0.0794020	NA	NA	91.09220
## 6792	69.60310	11139.3712	0.0581636	NA	NA	85.50850
## 6794	69.72035	11290.7069	-0.0112734	NA	NA	NA
## 6796	69.74063	12461.7429	0.0754461	NA	NA	89.69390
## 6798	69.54023	NA	NA	NA	NA	93.21850
## 6800	56.19142	NA	NA	NA	NA	NA
## 6802	55.25695	NA	NA	NA	NA	NA
## 6804	54.93021	NA	NA	NA	NA	NA
## 6806	53.75698	NA	NA	NA	NA	NA
## 6808	53.08793	NA	NA	NA	NA	NA
## 6810	52.25681	1303.6942	0.0177851	NA	NA	NA
## 6812	51.25740	1319.1121	-0.0153618	NA	NA	NA
## 6814	50.75465	1266.9890	-0.0399089	NA	NA	NA
## 6816	50.34965	1311.5788	0.0191655	NA	NA	NA
## 6818	50.34700	1414.0984	0.0145535	NA	NA	NA
## 6820	50.22368	1483.6789	0.0030241	NA	NA	86.11560
## 6822	49.97185	1344.7987	-0.0630803	NA	NA	88.87630
## 6824	49.98673	1231.7125	-0.0374064	NA	NA	92.11880
## 6826	49.79990	1189.8431	-0.0147195	NA	NA	118.28800
## 6828	50.02358	1106.5783	-0.0037785	NA	NA	122.30700
## 6830	50.32359	1034.3273	-0.0513754	NA	NA	135.66700
## 6832	50.93141	1142.2188	0.0574632	NA	NA	125.02800
## 6834	51.52366	1256.9532	0.0476527	NA	NA	112.05900
## 6836	51.84554	1160.5856	-0.0646768	NA	NA	NA
## 6838	52.00571	1051.2567	-0.0491796	NA	NA	97.99140
## 6840	52.11409	960.1058	-0.0533009	NA	NA	99.92840
## 6842	52.39823	910.2555	0.0011902	NA	NA	90.66920
## 6844	52.51926	885.7836	-0.0080194	NA	NA	83.80520
## 6846	52.18298	914.3876	0.0130787	NA	NA	NA
## 6848	51.79434	974.3251	0.0268579	NA	NA	93.68980
## 6850	51.71737	1060.5862	0.0484672	NA	NA	101.16100
## 6852	51.98060	1022.3083	0.0728865	NA	NA	117.26500
## 6854	52.43385	1038.9910	0.0121012	NA	NA	138.32200
## 6856	52.95630	568.2576	-0.1471138	NA	NA	139.26800
## 6858	53.54782	507.5693	-0.0843606	NA	NA	149.95200
## 6860	54.25131	1275.2127	0.6615252	NA	NA	144.47700
## 6862	54.99130	1085.3952	-0.0623078	NA	NA	145.24700
## 6864	55.66527	NA	NA	NA	NA	148.89400
## 6866	51.40845	NA	NA	0.974	0.69147134	NA
## 6868	52.03704	NA	NA	1.002	0.71123701	NA
## 6870	52.58467	772.3947	0.0448828	1.030	0.73100269	NA

## 6872	52.85388	859.6001	0.0577435	1.054	0.74330186	NA
## 6874	53.20197	809.5063	-0.0557003	1.078	0.75560103	NA
## 6876	53.45912	865.6836	0.0009370	1.114	0.78750665	NA
## 6878	54.03509	854.2194	-0.0065970	1.162	0.83901873	NA
## 6880	54.25837	941.8775	0.1256690	1.210	0.89053081	NA
## 6882	53.71637	1035.7994	-0.0050206	1.354	0.99357039	NA
## 6884	53.14534	1089.3826	0.0508704	1.498	1.09661000	NA
## 6886	52.55354	1230.6903	0.0974593	1.628	1.21512060	40.43680
## 6888	52.20445	1232.0402	-0.0658512	1.744	1.34910230	50.79640
## 6890	52.08410	1288.5056	0.0130119	1.860	1.48308390	61.35800
## 6892	51.52884	1256.0707	-0.0201740	2.052	1.71893590	60.88450
## 6894	51.25940	1152.7114	-0.0809317	2.244	1.95478780	59.67450
## 6896	50.92994	1193.0503	0.0320377	2.402	2.19339580	63.70230
## 6898	50.70796	1282.6448	0.0448623	2.526	2.43475970	63.73690
## 6900	50.53206	1443.1204	0.0624957	2.650	2.67612350	60.55000
## 6902	50.93333	1137.0975	-0.1121225	2.750	2.72332680	61.56970
## 6904	51.59194	1021.7388	0.0129104	2.850	2.77053000	67.38450
## 6906	51.65984	1013.8581	0.0560226	2.932	2.80420510	76.06420
## 6908	51.19072	967.7205	0.0702691	2.996	2.82435220	97.16590
## 6910	50.77574	1052.8478	-0.0011353	3.060	2.84449940	152.25100
## 6912	50.45393	1104.8920	0.0729327	3.228	3.01070120	NA
## 6914	50.27332	895.9932	-0.0318227	3.396	3.17690300	133.38800
## 6916	50.18998	780.2618	-0.1010871	3.666	3.51498330	140.03600
## 6918	50.25481	903.6671	0.0026512	4.038	4.02494220	NA
## 6920	50.35904	1004.4411	0.0100365	4.410	4.53490100	127.16600
## 6922	50.46467	1185.8199	0.1468377	4.570	4.74701690	123.96100
## 6924	50.50042	1052.1065	-0.1398344	4.730	4.95913280	130.05300
## 6926	50.66754	1087.3817	0.0530858	NA	NA	138.98300
## 6928	50.97339	905.9067	-0.1159506	NA	NA	145.88200
## 6930	51.31060	NA	NA	NA	NA	145.46600
## 6932	52.86979	NA	NA	2.138	1.04065120	NA
## 6934	52.76662	NA	NA	2.254	1.15747990	NA
## 6936	52.23967	2364.5725	NA	2.370	1.27430850	NA
## 6938	51.53341	2196.8526	-0.0509953	2.554	1.48423730	NA
## 6940	50.78507	2402.8055	0.1538038	2.738	1.69416610	NA
## 6942	50.31371	2514.6070	-0.0311522	2.942	1.95082970	NA
## 6944	50.16941	2589.7625	0.0125775	3.166	2.25422810	NA
## 6946	50.45619	2850.1372	0.0648723	3.390	2.55762650	NA
## 6948	50.91201	2860.1001	-0.0198779	3.714	3.00316420	NA
## 6950	51.78707	3076.4753	0.0693698	4.038	3.44870200	NA
## 6952	52.73614	3731.1795	0.1631613	4.324	3.86689800	NA
## 6954	53.52113	4648.9544	0.1810350	4.572	4.25775230	NA
## 6956	54.54992	4717.9100	-0.0698156	4.820	4.64860670	91.25080
## 6958	55.90810	5889.7735	0.0664120	5.196	5.14858380	92.79400
## 6960	57.45411	6644.9870	0.0966692	5.572	5.64856100	94.02780
## 6962	58.39966	6894.0530	-0.0196524	5.952	6.12607980	94.54420
## 6964	58.65281	7340.7880	0.0420799	6.336	6.58114010	96.49640
## 6966	58.55937	7433.1648	-0.0720816	6.720	7.03620030	95.42570
## 6968	58.81569	7004.0182	0.0590668	6.820	7.55707820	93.34730
## 6970	59.24610	7810.5049	0.0431986	6.920	8.07795610	92.93540
## 6972	59.75888	8734.4729	0.0591316	7.254	8.48570470	93.60220
## 6974	60.21871	9973.4055	0.0730305	7.822	8.78032410	95.70310
## 6976	60.76508	11654.9276	0.0827341	8.390	9.07494340	96.77880
## 6978	61.48535	13049.1488	0.0363903	8.670	9.42630690	NA

## 6980	62.40555	12699.3211	0.0438204	8.950	9.77767040	95.38250
## 6982	63.24554	12921.4084	-0.0357418	9.214	10.12767300	97.28410
## 6984	64.13097	14216.9400	0.0566111	9.462	10.47631500	96.99290
## 6986	65.22147	16181.8775	0.0642433	9.710	10.82495700	101.40500
## 6988	65.95267	17920.3387	0.0527210	10.002	11.11751700	100.42300
## 6990	66.96396	18648.5788	-0.0468655	10.294	11.41007700	100.11900
## 6992	68.07772	21139.0805	0.0647392	NA	NA	100.72800
## 6994	68.92655	22263.8352	0.0202379	NA	NA	103.40000
## 6996	69.63084	NA	NA	NA	NA	101.79200
## 6998	52.73945	NA	NA	3.030	3.05908780	NA
## 7000	54.51831	NA	NA	3.110	3.13059650	NA
## 7002	56.08670	NA	NA	3.190	3.20210520	NA
## 7004	56.43305	NA	NA	3.286	3.27186320	NA
## 7006	56.52524	NA	NA	3.382	3.34162110	NA
## 7008	55.66925	NA	NA	3.476	3.42329530	NA
## 7010	54.39151	NA	NA	3.568	3.51688580	NA
## 7012	53.25853	NA	NA	3.660	3.61047630	NA
## 7014	51.93519	NA	NA	3.804	3.67732580	NA
## 7016	51.09321	NA	NA	3.948	3.74417520	NA
## 7018	50.54867	1569.2285	0.0134578	4.076	3.83579430	NA
## 7020	50.33981	1505.6393	-0.0229092	4.188	3.95218290	NA
## 7022	50.58167	1459.9171	-0.0694990	4.300	4.06857160	NA
## 7024	50.79252	1385.9964	0.0570159	4.396	4.17879000	NA
## 7026	51.17276	1900.2064	0.1754999	4.492	4.28900850	NA
## 7028	51.26072	2640.4480	0.0207243	4.596	4.41667880	NA
## 7030	50.91828	2743.6267	-0.1336555	4.708	4.56180100	NA
## 7032	50.64177	3300.8833	0.0864305	4.820	4.70692320	NA
## 7034	50.09085	3673.9795	0.0510359	4.664	4.60282060	NA
## 7036	50.02567	4089.6537	0.0561085	4.508	4.49871810	NA
## 7038	50.14469	4823.1161	0.0483551	4.366	4.42276740	NA
## 7040	50.60001	5159.7130	0.0342379	4.238	4.37496870	122.26000
## 7042	51.69098	5551.7614	0.0407925	4.110	4.32716990	123.01000
## 7044	53.42286	6490.8348	0.0668440	4.170	4.50012020	119.60700
## 7046	55.63935	7108.7201	0.0145636	4.230	4.67307040	127.58900
## 7048	58.22659	7926.7839	0.0184317	4.346	4.95530310	126.14800
## 7050	60.91600	9173.5669	0.0954952	4.518	5.34681830	123.81500
## 7052	63.35710	9636.2737	-0.1055756	4.690	5.73833340	116.09700
## 7054	65.31249	13479.8108	0.1237669	5.222	6.27504350	108.87300
## 7056	66.83184	12261.1361	-0.1152449	5.754	6.81175350	102.42800
## 7058	67.86854	13200.6164	0.0686874	NA	NA	NA
## 7060	68.52472	13727.4519	0.0240679	NA	NA	NA
## 7062	68.85267	NA	NA	NA	NA	NA
## 7064	57.38832	NA	NA	0.154	0.09714478	NA
## 7066	56.83152	NA	NA	0.162	0.10097697	NA
## 7068	57.00858	NA	NA	0.170	0.10480916	NA
## 7070	56.51654	NA	NA	0.182	0.10994250	NA
## 7072	56.74835	NA	NA	0.194	0.11507584	NA
## 7074	56.62239	542.0041	-0.0293159	0.208	0.12484016	NA
## 7076	56.18519	548.4738	0.0382242	0.224	0.13923545	NA
## 7078	56.19357	474.4567	0.0485616	0.240	0.15363074	NA
## 7080	55.66104	481.0391	0.0152831	0.260	0.16310152	NA
## 7082	55.60492	536.0482	0.0049396	0.280	0.17257230	NA
## 7084	55.27971	565.3712	0.0029221	0.322	0.19750615	23.40710
## 7086	54.84180	490.2027	0.0037904	0.386	0.23790307	24.87710

## 7088	54.60709	495.8277	0.0776510	0.450	0.27829999	25.44350
## 7090	53.77527	583.5016	0.0346360	0.518	0.34315210	26.98670
## 7092	53.35244	617.1268	0.0942774	0.586	0.40800420	28.17700
## 7094	52.75330	618.0760	0.0619431	0.652	0.47293458	26.63650
## 7096	52.15096	627.5722	-0.0500040	0.716	0.53794324	25.57830
## 7098	51.96750	750.7323	0.1957030	0.780	0.60295189	23.97270
## 7100	51.14279	757.7884	-0.0639443	0.824	0.65728515	23.31120
## 7102	50.70188	733.7014	0.0693998	0.868	0.71161841	27.00300
## 7104	50.47945	726.4130	-0.0095477	0.914	0.76488211	27.82160
## 7106	50.45613	899.9391	0.1466408	0.962	0.81707627	33.18300
## 7108	50.68041	938.1854	0.0903692	1.010	0.86927042	39.02990
## 7110	50.63663	1016.9768	0.0441828	1.098	0.95433880	47.59380
## 7112	50.81784	1075.4416	0.0008354	1.186	1.03940720	55.69420
## 7114	50.87010	1135.1273	0.1206636	1.330	1.18778420	62.04880
## 7116	50.84521	1137.5527	-0.0148053	1.530	1.39946970	67.10210
## 7118	50.89606	1171.5196	-0.0013294	1.730	1.61115530	73.23420
## 7120	50.59202	1302.5265	0.0216994	1.826	1.90646330	78.59350
## 7122	50.41821	1404.5566	0.0294733	1.922	2.20177130	82.16950
## 7124	50.19345	1488.5608	0.0210724	NA	NA	83.95950
## 7126	50.05474	1394.0374	-0.0246406	NA	NA	76.12660
## 7128	50.09753	NA	NA	NA	NA	75.79040
## 7130	58.49057	NA	NA	3.328	3.18299000	NA
## 7132	57.76398	NA	NA	3.524	3.43670330	NA
## 7134	56.17284	1661.5969	0.0069156	3.720	3.69041660	NA
## 7136	55.55556	1903.5242	0.0333772	3.936	3.93419360	NA
## 7138	53.70370	2104.3399	0.0265532	4.152	4.17797070	NA
## 7140	55.27950	2313.5865	0.0304632	4.380	4.40038730	NA
## 7142	56.25000	2272.2695	0.0023394	4.620	4.60144370	NA
## 7144	59.49367	2465.2495	0.0572968	4.860	4.80250000	NA
## 7146	60.75949	2911.3143	0.0636597	5.244	5.21211730	NA
## 7148	64.33121	3514.3337	0.0992126	5.628	5.62173450	NA
## 7150	64.33121	4037.6512	0.0564756	5.970	6.00308990	104.95400
## 7152	65.18987	4675.1801	0.0661736	6.270	6.35618340	95.82610
## 7154	66.03774	6468.9150	0.3126373	6.570	6.70927700	94.12090
## 7156	66.87500	8116.4218	0.0706987	6.826	7.01779090	106.57100
## 7158	68.09816	9654.4935	0.0676441	7.082	7.32630480	111.96500
## 7160	67.46988	10685.2253	0.0470667	7.376	7.72595510	107.31600
## 7162	66.27219	10572.6935	-0.0517473	7.708	8.21674170	101.58100
## 7164	67.05202	10587.5623	0.0115728	8.040	8.70752820	103.74100
## 7166	67.04545	11338.2923	0.0350580	8.316	9.12012560	104.11600
## 7168	64.80447	13308.3279	0.0580072	8.592	9.53272290	104.99100
## 7170	65.57377	14801.0406	0.0590410	8.856	9.96346980	106.99100
## 7172	66.66667	15356.7789	0.0218573	9.108	10.41236600	104.12800
## 7174	66.13757	17032.4090	0.0521927	9.360	10.86126300	103.86700
## 7176	66.14583	19596.0639	0.1118164	9.528	10.98820400	106.43300
## 7178	66.49485	23034.8444	0.0681534	9.696	11.11514600	107.30600
## 7180	66.49746	23961.1328	-0.0183802	9.850	11.19214400	105.56000
## 7182	66.83417	24786.4647	-0.0022163	9.990	11.21919700	101.53000
## 7184	66.66667	24851.4221	0.0098305	10.130	11.24625000	96.87090
## 7186	66.99507	26565.9835	0.0492859	10.286	11.59444500	96.12130
## 7188	65.53398	27872.2302	0.0139074	10.442	11.94263900	93.38080
## 7190	65.38462	29213.1393	0.0002508	NA	NA	99.02110
## 7192	64.59330	31004.6989	0.0328207	NA	NA	100.11000
## 7194	64.76190	NA	NA	NA	NA	103.41400

## 7196	54.78261	NA	NA	1.286	1.25645000	NA
## 7198	54.84765	NA	NA	1.318	1.29018760	NA
## 7200	55.40897	NA	NA	1.350	1.32392520	NA
## 7202	54.63659	NA	NA	1.382	1.35190510	NA
## 7204	54.15677	NA	NA	1.414	1.37988510	NA
## 7206	53.93258	1053.5796	-0.0844250	1.448	1.40323430	NA
## 7208	53.71550	1155.0929	0.0165524	1.484	1.42195300	NA
## 7210	53.50701	2018.8293	0.1567283	1.520	1.44067160	NA
## 7212	53.11909	2099.7922	0.0573578	1.576	1.46251110	NA
## 7214	52.67857	2197.7706	-0.0586700	1.632	1.48435060	NA
## 7216	52.18855	2395.0046	-0.0219674	1.694	1.51170260	14.16530
## 7218	52.22222	2267.0359	-0.0218172	1.762	1.54456730	16.81820
## 7220	52.47376	2530.7844	0.0765009	1.830	1.57743210	17.65350
## 7222	52.33380	2600.2098	-0.0235553	1.950	1.67719780	24.14340
## 7224	52.40642	2483.8726	0.0543427	2.070	1.77696350	29.05630
## 7226	52.65152	2388.6676	-0.0011516	2.190	1.87109130	34.76880
## 7228	52.50597	2129.6155	-0.0066853	2.310	1.95958140	38.91100
## 7230	52.82167	2059.4946	0.0075092	2.430	2.04807150	43.48230
## 7232	52.67094	2073.5473	-0.0037785	2.562	2.14708120	49.02710
## 7234	52.68490	2108.7998	0.0106077	2.694	2.24609090	49.02040
## 7236	52.92426	2018.9365	0.0062251	2.832	2.34388220	49.20110
## 7238	53.17029	2130.8305	0.0694637	2.976	2.44045510	61.29370
## 7240	53.37896	2058.7514	-0.0516338	3.120	2.53702800	71.28580
## 7242	53.75303	2062.2237	-0.0718827	3.292	2.67033330	78.56750
## 7244	54.03349	2119.9613	0.0368357	3.464	2.80363860	82.52970
## 7246	54.40860	2025.1020	-0.0172968	3.652	2.99270880	81.78470
## 7248	54.72335	2227.2322	0.0441155	3.856	3.23754390	84.86630
## 7250	55.22293	2245.8875	0.0254288	4.060	3.48237900	90.75410
## 7252	55.43478	2800.5444	-0.0491848	4.248	3.83357160	94.29490
## 7254	55.62572	2479.1130	-0.0398440	4.436	4.18476420	95.15930
## 7256	55.87111	3163.7820	0.1052661	NA	NA	95.00730
## 7258	56.15584	2895.4864	-0.0206861	NA	NA	96.26990
## 7260	56.60564	NA	NA	NA	NA	102.45200
## 7262	52.75591	4684.3950	0.0042334	2.590	2.07147120	NA
## 7264	51.85185	4538.9836	-0.0374317	2.750	2.23209220	NA
## 7266	51.74825	4437.2689	0.0211830	2.910	2.39271320	NA
## 7268	51.64474	4531.3328	0.0005455	3.170	2.62535770	NA
## 7270	51.24224	4344.3074	0.0337353	3.430	2.85800210	NA
## 7272	51.76471	4111.3931	0.1310863	3.694	3.10776720	NA
## 7274	50.97493	5196.2294	0.1835041	3.962	3.37465280	NA
## 7276	51.72414	4599.6253	-0.1488609	4.230	3.64153850	NA
## 7278	52.29592	4715.4731	-0.0032053	4.510	3.92898530	NA
## 7280	53.44828	3939.7833	0.0122452	4.790	4.21643210	NA
## 7282	55.23810	4360.5490	0.0127563	4.962	4.43494740	95.98680
## 7284	56.42202	4696.3656	0.0162249	5.026	4.58453130	99.78930
## 7286	57.96460	4741.0387	-0.0479708	5.090	4.73411510	104.53800
## 7288	59.82906	5869.3966	0.0004349	5.198	4.97653180	102.41700
## 7290	60.66253	5893.8371	-0.0011396	5.306	5.21894860	94.24270
## 7292	61.41414	5324.5470	-0.0091362	5.460	5.47812550	98.90340
## 7294	62.69841	5862.7947	0.0327072	5.660	5.75406270	104.47500
## 7296	63.67188	6232.8690	0.0462761	5.860	6.03000000	109.10300
## 7298	65.05792	8180.7304	0.1169100	6.112	6.36505880	114.65900
## 7300	65.64885	8644.4481	0.0317039	6.364	6.70011760	111.37300
## 7302	66.16822	9846.8898	0.0568066	6.558	6.93141100	110.80300

## 7304	66.54545	10880.0630	0.0352087	6.694	7.05893890	105.19300
## 7306	66.78445	12416.7496	0.0857000	6.830	7.18646690	104.84700
## 7308	67.24138	13419.5406	-0.0178394	6.778	7.21940530	106.28800
## 7310	67.73649	13510.6717	-0.0319986	6.726	7.25234380	105.40600
## 7312	67.94020	13457.3960	-0.0236731	6.928	7.55156930	102.36700
## 7314	68.03279	13356.7561	-0.0166330	7.384	8.11708200	101.40000
## 7316	68.18182	12516.1046	-0.0728464	7.840	8.68259460	103.22600
## 7318	68.64952	14283.5103	0.0803337	8.248	9.26894750	103.65700
## 7320	69.69697	15051.8914	0.0339355	8.656	9.85530050	102.86500
## 7322	70.09494	16131.9971	0.0516653	NA	NA	103.04100
## 7324	70.21944	17104.0552	0.0355606	NA	NA	102.22200
## 7326	70.49689	NA	NA	NA	NA	103.03600
## 7328	54.68847	4649.0476	0.0500345	2.220	2.02188740	NA
## 7330	53.57375	4482.1975	-0.0554714	2.280	2.10712850	NA
## 7332	52.95267	5085.1046	0.0500126	2.340	2.19236950	NA
## 7334	52.08787	5476.0455	0.0389395	2.412	2.27554070	NA
## 7336	51.66712	5540.6377	-0.0030394	2.484	2.35871200	NA
## 7338	51.08267	5728.4381	-0.0023212	2.608	2.48439600	NA
## 7340	50.36836	6124.8768	0.0590954	2.784	2.65259280	NA
## 7342	50.01117	6887.6735	0.0228958	2.960	2.82078970	NA
## 7344	49.90959	7243.4016	0.0187130	3.132	3.07319130	NA
## 7346	50.10088	7670.4668	0.0063553	3.304	3.32559290	NA
## 7348	50.16898	7995.3793	0.0135460	3.530	3.57264910	101.90100
## 7350	50.08184	8802.1802	0.0475178	3.810	3.81436000	106.15200
## 7352	50.19664	9320.2473	0.0252371	4.090	4.05607090	108.03100
## 7354	50.37834	9646.2921	0.0081758	4.414	4.41095880	112.38000
## 7356	50.96091	11104.3716	0.0773239	4.738	4.76584670	116.20800
## 7358	51.74420	12825.8060	0.0551243	5.074	5.14439600	116.40200
## 7360	52.56465	11459.1443	-0.0809898	5.422	5.54660680	114.53600
## 7362	53.62267	11236.8443	-0.0133591	5.770	5.94881760	113.32700
## 7364	54.98345	10252.2759	0.0006971	6.050	6.30393420	113.27600
## 7366	56.43337	9976.0844	0.0137157	6.330	6.65905070	111.81400
## 7368	57.62978	10470.8913	0.0153742	6.616	6.98516700	109.98900
## 7370	58.64783	10601.8164	-0.0054483	6.908	7.28228290	109.82100
## 7372	59.46867	9839.6370	-0.1016054	7.200	7.57939880	109.44800
## 7374	60.03650	10690.3203	0.0525675	7.384	7.81745240	107.94100
## 7376	60.57142	11390.1779	0.0364943	7.568	8.05550600	106.50800
## 7378	61.18934	11990.9247	-0.0071106	7.818	8.36620080	105.76700
## 7380	61.82315	12233.9050	0.0202036	8.134	8.74953680	105.13500
## 7382	62.42733	13327.5698	0.0301685	8.450	9.13287280	103.01900
## 7384	63.20322	14620.0915	0.0291548	8.586	9.29469370	101.63200
## 7386	63.96731	13813.2532	-0.0643501	8.722	9.45651450	102.90700
## 7388	64.76043	15429.7850	0.0536661	NA	NA	104.03600
## 7390	65.53631	15545.5910	-0.0055628	NA	NA	104.32500
## 7392	66.17739	NA	NA	NA	NA	NA
## 7394	56.25000	NA	NA	NA	NA	NA
## 7396	52.94118	NA	NA	NA	NA	NA
## 7398	55.55556	NA	NA	NA	NA	NA
## 7400	55.00000	NA	NA	NA	NA	NA
## 7402	52.38095	NA	NA	NA	NA	NA
## 7404	54.54545	NA	NA	NA	NA	NA
## 7406	50.00000	NA	NA	NA	NA	NA
## 7408	52.00000	NA	NA	NA	NA	NA
## 7410	55.55556	NA	NA	NA	NA	NA



## 7412	51.72414	NA	NA	NA	NA	NA
## 7414	50.00000	NA	NA	NA	NA	214.00100
## 7416	50.00000	NA	NA	NA	NA	221.99200
## 7418	48.38710	NA	NA	NA	NA	211.49200
## 7420	46.87500	NA	NA	NA	NA	204.59700
## 7422	52.94118	NA	NA	NA	NA	191.92300
## 7424	51.35135	NA	NA	NA	NA	NA
## 7426	48.71795	NA	NA	NA	NA	NA
## 7428	52.38095	NA	NA	NA	NA	NA
## 7430	50.00000	NA	NA	NA	NA	NA
## 7432	50.00000	NA	NA	NA	NA	NA
## 7434	52.08333	NA	NA	NA	NA	NA
## 7436	50.98039	NA	NA	NA	NA	NA
## 7438	50.94340	NA	NA	NA	NA	NA
## 7440	54.71698	NA	NA	NA	NA	NA
## 7442	56.60377	NA	NA	NA	NA	NA
## 7444	58.49057	NA	NA	NA	NA	NA
## 7446	54.71698	NA	NA	NA	NA	NA
## 7448	57.69231	NA	NA	NA	NA	111.32600
## 7450	55.76923	NA	NA	NA	NA	111.64600
## 7452	54.90196	NA	NA	NA	NA	NA
## 7454	56.86275	NA	NA	NA	NA	NA
## 7456	56.86275	NA	NA	NA	NA	NA
## 7458	62.74510	NA	NA	NA	NA	95.52180
## 7460	64.88189	NA	NA	3.360	3.42821110	NA
## 7462	64.93604	NA	NA	3.520	3.63551200	NA
## 7464	65.21429	NA	NA	3.680	3.84281290	NA
## 7466	64.43543	NA	NA	3.916	4.14579610	NA
## 7468	63.69468	NA	NA	4.152	4.44877930	NA
## 7470	62.77506	NA	NA	4.376	4.75144930	NA
## 7472	61.70960	NA	NA	4.588	5.05380620	NA
## 7474	61.33033	NA	NA	4.800	5.35616300	NA
## 7476	61.48391	NA	NA	5.132	5.79436660	NA
## 7478	62.37414	NA	NA	5.464	6.23257010	NA
## 7480	63.45361	NA	NA	5.808	6.70115270	NA
## 7482	64.38975	NA	NA	6.164	7.20011430	NA
## 7484	65.01229	NA	NA	6.520	7.69907600	NA
## 7486	65.37718	NA	NA	6.820	8.12297630	NA
## 7488	65.76061	NA	NA	7.120	8.54687660	NA
## 7490	65.90056	NA	NA	7.400	8.93394220	82.66660
## 7492	65.71560	NA	NA	7.660	9.28417310	NA
## 7494	65.47673	NA	NA	7.920	9.63440390	NA
## 7496	64.69542	NA	NA	8.140	9.82331390	NA
## 7498	63.97188	NA	NA	8.360	10.01222400	88.04460
## 7500	63.54895	5070.1424	-0.0518398	8.554	10.16021900	93.07230
## 7502	63.52890	2948.0336	0.0012851	8.722	10.26729800	92.38970
## 7504	64.22585	2693.0247	0.0585680	8.890	10.37437800	95.21490
## 7506	64.93739	2455.8005	-0.0215449	9.018	10.38616700	94.78080
## 7508	66.00091	1813.2014	-0.1367188	9.146	10.39795600	99.72230
## 7510	67.41522	1933.2389	0.0552058	9.282	10.41843300	99.36110
## 7512	69.14943	2278.0538	0.0799932	9.426	10.44759800	99.48650
## 7514	70.77562	2603.4034	0.0650778	9.570	10.47676400	97.89130
## 7516	71.55493	2955.0438	0.0573969	9.902	10.61111400	94.41770
## 7518	72.08647	3341.8085	0.0427389	10.234	10.74546500	93.57760

## 7520	72.55550	4295.3188	0.1357832	NA	NA	93.60300
## 7522	73.13150	4670.6668	0.0738697	NA	NA	93.76830
## 7524	73.35542	NA	NA	NA	NA	92.41280
## 7526	63.02730	NA	NA	1.678	1.78867930	NA
## 7528	61.72249	NA	NA	1.814	1.92413860	NA
## 7530	61.52074	NA	NA	1.950	2.05959800	NA
## 7532	60.17699	NA	NA	2.178	2.30007880	NA
## 7534	58.56237	NA	NA	2.406	2.54055960	NA
## 7536	56.91383	NA	NA	2.658	2.80987620	NA
## 7538	54.52830	NA	NA	2.934	3.10802870	NA
## 7540	52.84698	NA	NA	3.210	3.40618110	NA
## 7542	51.67785	NA	NA	3.350	3.81205350	NA
## 7544	50.95238	NA	NA	3.490	4.21792590	NA
## 7546	50.59880	1245.2378	0.0167098	3.978	4.68158790	108.90200
## 7548	49.78843	1323.6581	0.0555406	4.814	5.20303940	106.50900
## 7550	49.73333	1379.6108	0.0285616	5.650	5.72449100	102.96100
## 7552	50.25253	1488.1301	0.0658317	5.930	6.08383160	NA
## 7554	51.13772	1546.0014	0.0176883	6.210	6.44317220	104.32000
## 7556	52.10466	1553.7693	-0.1054573	6.484	6.79023850	103.11200
## 7558	52.81385	1982.6197	0.1045456	6.752	7.12503040	101.29200
## 7560	53.49076	2145.4581	-0.0228863	7.020	7.45982230	101.06400
## 7562	54.07767	2388.7233	0.0582690	7.316	7.77678480	100.70800
## 7564	54.98155	2400.5169	-0.0264368	7.612	8.09374730	101.98900
## 7566	55.65450	2417.3865	-0.3235273	7.776	8.32390910	100.05200
## 7568	56.55594	1850.1604	-0.2034559	7.808	8.46727020	80.55610
## 7570	57.75862	2553.0362	0.2522626	7.840	8.61063130	87.41810
## 7572	59.23404	2436.1538	0.0444627	7.856	8.62237870	92.45640
## 7574	60.40268	2410.4237	0.0417385	7.872	8.63412600	96.74160
## 7576	62.40725	3008.8560	0.0904217	8.018	8.77296350	101.42100
## 7578	65.05246	3582.3002	0.0914068	8.294	9.03889110	105.39900
## 7580	67.32283	4942.6158	0.1590338	8.570	9.30481860	97.96660
## 7582	68.48160	6597.7569	0.0967684	8.822	9.55962150	100.01900
## 7584	69.04762	6251.8697	-0.0647078	9.074	9.81442430	114.48500
## 7586	68.94321	8656.8262	0.1699114	NA	NA	122.06400
## 7588	68.46847	10620.2206	0.0769939	NA	NA	108.92900
## 7590	67.80455	NA	NA	NA	NA	100.89600
## 7592	58.57143	NA	NA	NA	NA	NA
## 7594	59.09091	NA	NA	NA	NA	NA
## 7596	59.56522	NA	NA	NA	NA	NA
## 7598	60.50420	NA	NA	NA	NA	NA
## 7600	60.16260	NA	NA	NA	NA	NA
## 7602	60.39216	NA	NA	NA	NA	NA
## 7604	59.39850	NA	NA	NA	NA	NA
## 7606	59.55882	NA	NA	NA	NA	NA
## 7608	59.62963	NA	NA	NA	NA	NA
## 7610	61.27820	NA	NA	NA	NA	NA
## 7612	61.19403	NA	NA	NA	NA	NA
## 7614	61.09091	NA	NA	NA	NA	NA
## 7616	62.54417	NA	NA	NA	NA	NA
## 7618	63.19444	NA	NA	NA	NA	NA
## 7620	63.82253	NA	NA	NA	NA	NA
## 7622	64.88294	NA	NA	NA	NA	NA
## 7624	65.14658	NA	NA	NA	NA	NA
## 7626	66.23794	NA	NA	NA	NA	NA

## 7628	65.59486	NA	NA	NA	NA	NA
## 7630	65.69579	NA	NA	NA	NA	NA
## 7632	66.01942	9505.4615	-0.1157427	NA	NA	NA
## 7634	66.23794	4598.2504	-0.4560471	NA	NA	NA
## 7636	66.34615	5325.8820	0.1361237	NA	NA	NA
## 7638	65.70513	7309.4398	0.0678701	NA	NA	NA
## 7640	66.55949	7409.7831	-0.0663586	NA	NA	NA
## 7642	66.23794	8717.4015	0.1011705	NA	NA	NA
## 7644	66.02564	8575.5657	0.0109606	NA	NA	107.31600
## 7646	65.92357	9252.4682	0.0493536	NA	NA	112.65000
## 7648	65.60510	12170.7665	0.1316757	NA	NA	118.21400
## 7650	66.34921	12850.3589	-0.0118084	NA	NA	112.51400
## 7652	66.66667	13748.3077	0.0472288	NA	NA	95.40840
## 7654	66.77215	14124.5409	0.0542374	NA	NA	NA
## 7656	66.56151	NA	NA	NA	NA	94.30670
## 7658	57.48116	1323.2841	0.0088692	0.300	NA	NA
## 7660	56.53317	1379.3205	0.0044494	0.340	NA	NA
## 7662	55.92417	1377.6797	-0.0353527	0.380	NA	NA
## 7664	54.49049	1304.9082	-0.0434146	0.424	NA	NA
## 7666	53.39676	1360.0773	-0.0031915	0.468	NA	NA
## 7668	52.15214	1683.8143	0.1952028	0.534	NA	NA
## 7670	50.74167	2121.3647	0.1304727	0.622	NA	NA
## 7672	50.06237	2126.6004	-0.0391617	0.710	NA	NA
## 7674	49.59800	2020.8552	0.0067115	0.818	NA	NA
## 7676	49.76686	2284.1554	0.0825949	0.926	NA	NA
## 7678	50.12077	2194.0223	0.0370269	1.054	NA	48.37580
## 7680	50.72447	2228.6936	0.0115519	1.202	NA	50.09920
## 7682	51.59462	2434.8678	0.0120058	1.350	NA	53.74290
## 7684	52.61480	2556.1401	-0.0002856	1.514	NA	62.42190
## 7686	53.70953	2734.9995	0.0382090	1.678	NA	70.79370
## 7688	54.55425	2591.6614	-0.0296378	1.866	NA	78.78110
## 7690	55.17305	2954.5810	0.0542331	2.078	NA	86.97380
## 7692	55.73394	3314.6245	0.0738125	2.290	NA	78.60660
## 7694	56.15580	3680.0405	0.0052032	2.518	NA	74.11940
## 7696	56.72834	4003.8415	-0.0149174	2.746	NA	67.18440
## 7698	57.36160	4402.7566	0.0987711	2.968	NA	63.71090
## 7700	57.92623	4294.7910	-0.0043793	3.184	NA	67.39030
## 7702	58.76621	4614.8395	-0.0276775	3.400	NA	73.33090
## 7704	59.80650	4922.7675	-0.0852060	3.568	NA	78.11700
## 7706	61.13228	4671.8532	-0.0579796	3.736	NA	86.74920
## 7708	62.36967	4457.9573	0.0153923	3.924	NA	96.54050
## 7710	63.42903	4559.5624	0.0343962	4.132	NA	104.22300
## 7712	64.42857	4340.1575	-0.0400572	4.340	NA	105.03300
## 7714	65.36629	5008.1684	0.0535278	4.588	NA	106.97500
## 7716	66.16999	5962.9469	0.0790281	4.836	NA	108.15100
## 7718	66.75347	6771.4734	0.0696392	NA	NA	115.05900
## 7720	67.15432	7067.4842	0.0360193	NA	NA	116.71400
## 7722	67.27053	NA	NA	NA	NA	114.70600
## 7724	55.60305	NA	NA	0.522	0.38291372	NA
## 7726	55.54898	NA	NA	0.586	0.39616135	NA
## 7728	55.75272	NA	NA	0.650	0.40940898	NA
## 7730	55.37144	NA	NA	0.718	0.42471864	NA
## 7732	55.33387	NA	NA	0.786	0.44002830	NA
## 7734	55.10361	517.9700	-0.0038652	0.856	0.45709837	NA

## 7736	54.77770	556.7099	0.0097651	0.928	0.47592883	NA
## 7738	54.72320	563.5059	-0.0080590	1.000	0.49475930	NA
## 7740	54.25412	609.1937	0.0748773	1.004	0.49854483	NA
## 7742	54.08207	656.8997	0.0356197	1.008	0.50233035	NA
## 7744	53.82389	668.6448	0.0507593	0.998	0.49811742	38.95710
## 7746	53.65757	703.3054	0.0240364	0.974	0.48590605	42.89580
## 7748	53.63192	725.6684	-0.0045772	0.950	0.47369468	58.63720
## 7750	53.42588	721.9191	-0.0339184	1.018	0.52512802	104.90100
## 7752	53.42304	715.3053	0.0047121	1.086	0.57656136	111.33800
## 7754	53.14450	723.9905	0.0127974	1.130	0.63328696	102.39300
## 7756	52.65900	589.9023	-0.1400061	1.150	0.69530481	83.54040
## 7758	52.60572	570.0379	-0.0812969	1.170	0.75732266	85.73160
## 7760	51.72465	513.3698	-0.1251221	1.102	0.73819515	68.62950
## 7762	51.28242	533.6369	0.0743132	1.034	0.71906765	61.99720
## 7764	51.68618	524.8581	0.0085344	0.986	0.70923173	60.78380
## 7766	52.72892	449.9008	0.0286617	0.958	0.70868741	59.16610
## 7768	53.55296	422.5058	-0.1256442	0.930	0.70814308	65.93850
## 7770	53.38483	596.6882	0.1332731	0.990	0.74728896	NA
## 7772	53.37655	606.3949	-0.0386462	1.050	0.78643485	68.65070
## 7774	53.12500	685.1898	0.0615034	1.120	0.83842834	79.25130
## 7776	52.67900	806.9755	0.0491233	1.200	0.90326944	NA
## 7778	52.40059	911.6859	0.0548787	1.280	0.96811054	96.10500
## 7780	51.97397	967.4935	0.0189524	1.540	1.26282220	103.65600
## 7782	51.81654	974.0689	-0.0159392	1.800	1.55753380	107.84900
## 7784	51.75555	925.0587	-0.0150456	NA	NA	105.06800
## 7786	51.84666	1077.5721	0.1073885	NA	NA	105.00900
## 7788	52.12409	NA	NA	NA	NA	105.80200
## 7790	60.97480	NA	NA	1.162	0.88838979	NA
## 7792	59.57605	NA	NA	1.186	0.91280451	NA
## 7794	58.74490	NA	NA	1.210	0.93721922	NA
## 7796	57.25020	NA	NA	1.218	0.94777303	NA
## 7798	56.29719	NA	NA	1.226	0.95832683	NA
## 7800	55.26058	NA	NA	1.260	0.99198024	NA
## 7802	54.11735	286.6336	0.0937419	1.320	1.04873330	NA
## 7804	53.55169	265.7692	0.0164905	1.380	1.10548630	NA
## 7806	53.35191	246.1155	-0.1184340	1.408	1.17586540	NA
## 7808	53.71639	261.2693	0.0318789	1.436	1.24624460	NA
## 7810	53.94275	782.5709	0.0044699	1.480	1.32633430	84.71550
## 7812	54.18617	769.4209	0.0058255	1.540	1.41613470	83.50810
## 7814	54.52111	797.1695	0.0141053	1.600	1.50593520	NA
## 7816	54.74235	828.4699	0.0123897	1.852	1.79654630	81.68620
## 7818	55.07549	837.9578	0.0168052	2.104	2.08715740	84.60250
## 7820	55.40398	917.4559	0.0285840	2.330	2.35277460	88.81710
## 7822	55.77525	986.8760	0.0440226	2.530	2.59339770	93.51850
## 7824	56.38758	1032.6880	-0.0022383	2.730	2.83402090	91.71270
## 7826	56.99530	952.2550	-0.0575795	2.770	3.00674080	96.43230
## 7828	57.93286	834.5788	0.0133810	2.810	3.17946070	96.86990
## 7830	58.88986	791.7847	-0.0456829	2.908	3.37231770	98.68230
## 7832	59.79150	895.6461	0.0591846	3.064	3.58531190	108.84600
## 7834	60.82018	983.6513	0.0636287	3.220	3.79830600	105.37300
## 7836	61.93810	996.3793	0.0007505	3.408	4.04931710	101.21900
## 7838	63.08421	1086.2617	0.0519834	3.596	4.30032830	95.10540
## 7840	63.86544	1222.1953	0.0398679	3.798	4.55033450	97.34350
## 7842	64.30475	1411.2920	0.0955229	4.014	4.79933580	99.03800

## 7844	64.67298	1872.5494	0.1605849	4.230	5.04833710	98.28540
## 7846	64.89206	2362.0631	0.0922976	4.478	5.39186240	97.71810
## 7848	65.26072	2828.1699	0.1012354	4.726	5.73538760	97.04410
## 7850	65.83583	3863.9773	0.0983267	NA	NA	NA
## 7852	66.57444	4860.4933	0.0663652	NA	NA	NA
## 7854	67.28830	NA	NA	NA	NA	NA
## 7856	57.42972	NA	NA	2.470	2.28627650	NA
## 7858	56.15385	NA	NA	2.610	2.40622420	NA
## 7860	55.88235	NA	NA	2.750	2.52617190	NA
## 7862	55.28169	NA	NA	2.878	2.67460170	NA
## 7864	55.03356	NA	NA	3.006	2.82303150	NA
## 7866	53.67412	3958.6685	-0.0280581	3.142	3.00138150	NA
## 7868	54.10334	4601.6287	0.0488749	3.286	3.20965180	NA
## 7870	53.17919	5373.2746	0.0374422	3.430	3.41792210	NA
## 7872	53.02198	5215.7315	-0.0605831	3.638	3.68367290	NA
## 7874	53.12500	5440.1550	0.0344734	3.846	3.94942360	NA
## 7876	53.31695	5651.6851	0.0214014	4.054	4.21302100	NA
## 7878	52.88684	5623.1308	0.0063658	4.262	4.47446510	NA
## 7880	52.18341	5816.8688	-0.0075684	4.470	4.73590910	NA
## 7882	51.45228	5705.5475	-0.0034008	4.690	5.02305700	NA
## 7884	50.79051	5623.7318	-0.0034132	4.910	5.31020480	NA
## 7886	50.37736	5655.9727	-0.1349812	5.140	5.60098230	NA
## 7888	50.45045	4946.8347	-0.0702457	5.380	5.89538950	NA
## 7890	50.33898	4949.8042	0.0270739	5.620	6.18979660	NA
## 7892	51.71875	5364.7173	0.1399946	5.832	6.45008590	124.78600
## 7894	52.79770	5458.4624	-0.0189123	6.044	6.71037520	118.02900
## 7896	54.07210	4588.3099	-0.0920649	6.130	6.81658690	125.88200
## 7898	54.52261	4385.0392	-0.0749350	6.090	6.76872090	124.83900
## 7900	55.16014	4870.3886	0.0534334	6.050	6.72085490	124.10700
## 7902	55.53073	5124.7617	0.0035257	5.918	6.58103200	120.53300
## 7904	56.25000	5229.4141	-0.0007076	5.786	6.44120900	114.95500
## 7906	56.66328	5593.7011	0.0238848	5.770	6.45372780	113.62100
## 7908	56.93069	5705.3448	-0.0102835	5.870	6.61858840	112.60800
## 7910	57.47348	6458.4279	0.0307884	5.970	6.78344900	109.05300
## 7912	58.18522	7426.2992	0.0335426	6.050	6.85396530	109.65800
## 7914	58.93502	8021.5169	0.0024509	6.130	6.92448150	108.22800
## 7916	59.58369	8892.9896	0.0818586	NA	NA	NA
## 7918	60.19900	10083.6760	0.0420332	NA	NA	111.42800
## 7920	60.38035	NA	NA	NA	NA	NA
## 7922	60.10066	NA	NA	0.110	0.02834810	NA
## 7924	59.37362	NA	NA	0.110	0.02908314	NA
## 7926	59.23553	NA	NA	0.110	0.02981818	NA
## 7928	58.45421	NA	NA	0.118	0.03091837	NA
## 7930	58.23447	NA	NA	0.126	0.03201856	NA
## 7932	57.79208	689.1194	-0.0164866	0.158	0.04120434	NA
## 7934	56.96203	692.1862	-0.0071020	0.214	0.05847571	NA
## 7936	56.67336	722.7754	-0.0314345	0.270	0.07574708	NA
## 7938	56.49191	730.1282	-0.0383744	0.362	0.10393773	NA
## 7940	56.76819	741.3684	0.0322046	0.454	0.13212838	NA
## 7942	56.80598	738.5847	-0.0385036	0.544	0.15910838	NA
## 7944	56.63855	723.7240	-0.0315571	0.632	0.18487774	42.46590
## 7946	56.53477	739.2567	-0.0204754	0.720	0.21064709	52.54490
## 7948	56.11717	757.0211	0.0045691	0.828	0.25256318	71.01410
## 7950	55.77082	793.9270	0.0281620	0.936	0.29447926	88.64070

## 7952	55.44905	770.8626	0.0662141	1.144	0.43039681	71.80700
## 7954	55.17674	786.4362	-0.0270867	1.452	0.66031583	79.37510
## 7956	55.04960	862.2560	0.0360713	1.760	0.89023485	83.40260
## 7958	54.74727	888.2484	0.0037880	2.052	1.14333680	85.09150
## 7960	54.64700	991.4254	0.0532222	2.344	1.39643870	104.08100
## 7962	54.55298	1046.2374	0.0511098	2.522	1.57639250	112.93500
## 7964	54.50589	1104.1751	0.0557714	2.586	1.68319820	115.03700
## 7966	54.66730	1242.3237	0.0166869	2.650	1.79000380	115.70600
## 7968	54.98205	1278.9868	-0.0308776	2.778	2.02158500	117.57000
## 7970	55.48332	1256.8500	-0.0028205	2.906	2.25316610	116.52300
## 7972	55.94601	1315.3661	0.0351725	3.086	2.53101620	113.07200
## 7974	56.33387	1253.9530	-0.0085907	3.318	2.85513520	115.61000
## 7976	56.87082	1274.7132	-0.0008626	3.550	3.17925420	115.32200
## 7978	57.87286	1392.9204	0.0509858	3.822	3.61497210	128.13200
## 7980	58.94853	1628.8518	0.0767412	4.094	4.05069010	137.27600
## 7982	60.37938	1936.4551	0.0641704	NA	NA	145.40800
## 7984	62.04756	2075.6641	0.0206470	NA	NA	138.51700
## 7986	63.40750	NA	NA	NA	NA	135.43400
## 7988	63.28094	7751.6439	0.0153208	6.092	6.10672640	NA
## 7990	63.01475	9018.9010	0.0678101	6.116	6.12611530	NA
## 7992	62.25746	10059.7635	0.0883522	6.140	6.14550420	NA
## 7994	61.87103	10433.2435	0.0087271	6.160	6.18726210	NA
## 7996	61.36163	10901.0079	0.0407667	6.180	6.22902000	NA
## 7998	61.30809	11692.2120	0.0208282	6.414	6.50614500	NA
## 8000	61.68929	12553.0685	0.0302353	6.862	7.01863710	NA
## 8002	62.03462	14178.9494	0.0605497	7.310	7.53112920	NA
## 8004	62.04589	15293.4129	0.0508394	7.666	7.94713720	NA
## 8006	61.93960	17040.3777	0.0367718	8.022	8.36314510	NA
## 8008	62.06792	18564.3212	0.0404081	8.346	8.73222270	101.48000
## 8010	62.34154	20350.2990	0.0580511	8.638	9.05436990	99.19840
## 8012	62.84209	21179.8192	-0.0182304	8.930	9.37651720	97.36740
## 8014	63.53957	22309.1667	0.0116129	9.142	9.60358560	97.85280
## 8016	64.37482	23110.5728	0.0100822	9.354	9.83065410	98.57340
## 8018	65.34210	22951.7417	-0.0306749	9.552	10.02695500	99.21520
## 8020	66.32089	22126.9218	-0.0053768	9.736	10.19248800	96.54820
## 8022	67.05416	22532.5476	-0.0015678	9.920	10.35802100	94.95690
## 8024	67.35135	23158.7907	-0.0004969	10.064	10.50032100	101.37900
## 8026	67.41393	25220.1904	0.0475006	10.208	10.64262000	103.91200
## 8028	67.29858	27051.2741	0.0268660	10.336	10.77352000	103.12100
## 8030	67.04309	27693.3092	0.0088758	10.448	10.89302100	97.64560
## 8032	66.77766	29699.5911	0.0365906	10.560	11.01252100	107.90600
## 8034	66.53165	33312.8804	0.0741911	10.660	11.10006700	108.31200
## 8036	66.39118	37977.5461	0.0573435	10.760	11.18761200	108.72900
## 8038	66.29520	40890.5437	0.0121899	10.808	11.23474700	108.10900
## 8040	66.27081	39159.1213	-0.0472326	10.804	11.24147100	107.83600
## 8042	66.25864	40451.0360	0.0137959	10.800	11.24819500	106.86400
## 8044	66.23377	45493.0163	0.0644855	11.036	11.49633100	107.77400
## 8046	66.12903	45094.5670	-0.0427656	11.272	11.74446800	108.90900
## 8048	65.72073	46090.3199	0.0237312	NA	NA	108.86100
## 8050	64.96342	47092.4680	0.0184832	NA	NA	106.15500
## 8052	64.23041	NA	NA	NA	NA	104.70200
## 8054	60.00000	NA	NA	NA	NA	NA
## 8056	61.29032	NA	NA	NA	NA	NA
## 8058	59.37500	NA	NA	NA	NA	NA

## 8060	55.88235	NA	NA	NA	NA	NA
## 8062	58.33333	NA	NA	NA	NA	NA
## 8064	57.89474	NA	NA	NA	NA	NA
## 8066	56.09756	NA	NA	NA	NA	NA
## 8068	55.81395	NA	NA	NA	NA	NA
## 8070	56.52174	NA	NA	NA	NA	NA
## 8072	58.33333	NA	NA	NA	NA	NA
## 8074	55.76923	NA	NA	NA	NA	NA
## 8076	56.14035	NA	NA	NA	NA	NA
## 8078	56.45161	NA	NA	NA	NA	NA
## 8080	55.38462	NA	NA	NA	NA	NA
## 8082	58.82353	NA	NA	NA	NA	NA
## 8084	58.57143	NA	NA	NA	NA	NA
## 8086	58.90411	NA	NA	NA	NA	NA
## 8088	61.33333	NA	NA	NA	NA	NA
## 8090	60.25641	NA	NA	NA	NA	NA
## 8092	61.72840	NA	NA	NA	NA	NA
## 8094	63.09524	NA	NA	NA	NA	NA
## 8096	64.77273	NA	NA	NA	NA	NA
## 8098	65.59140	NA	NA	NA	NA	NA
## 8100	63.91753	NA	NA	NA	NA	NA
## 8102	66.33663	NA	NA	NA	NA	NA
## 8104	64.15094	NA	NA	NA	NA	NA
## 8106	64.54545	NA	NA	NA	NA	NA
## 8108	65.78947	NA	NA	NA	NA	NA
## 8110	65.81197	NA	NA	NA	NA	NA
## 8112	68.33333	NA	NA	NA	NA	NA
## 8114	67.47967	NA	NA	NA	NA	NA
## 8116	66.92913	NA	NA	NA	NA	NA
## 8118	68.46154	NA	NA	NA	NA	NA
## 8120	61.46694	11350.7797	-0.0885401	9.248	9.72313960	NA
## 8122	60.61204	11177.9399	0.0358200	9.364	9.83195680	NA
## 8124	59.56645	12273.5682	0.0181761	9.480	9.94077400	NA
## 8126	58.80759	12314.4521	0.0113077	9.648	10.14163100	NA
## 8128	58.09524	12748.7246	0.0592213	9.816	10.34248800	NA
## 8130	57.79436	14291.0071	0.0283155	9.914	10.43086500	NA
## 8132	58.17460	15373.8790	0.0612669	9.942	10.40676100	NA
## 8134	58.54962	16476.1123	0.0370045	9.970	10.38265700	NA
## 8136	58.74074	15794.2756	-0.0838480	10.354	10.82380700	NA
## 8138	58.93372	16968.9445	0.0932026	10.738	11.26495600	NA
## 8140	59.35978	16590.6135	0.0261784	11.086	11.63510500	108.05600
## 8142	60.05344	19038.5048	0.0729713	11.398	11.93425100	105.44700
## 8144	60.71197	17060.2003	-0.0715008	11.710	12.23339700	106.70300
## 8146	61.00830	16893.8219	-0.0344725	11.662	12.09236400	109.18500
## 8148	61.80203	16893.9716	-0.0050669	11.614	11.95133000	108.84900
## 8150	62.77464	17206.0503	0.0326653	11.614	11.87031200	104.76800
## 8152	63.51852	18090.9416	0.0442133	11.662	11.84931000	103.63400
## 8154	64.24242	18643.0797	-0.0033112	11.710	11.82830800	105.39600
## 8156	64.49881	20112.6242	0.0306425	11.674	11.79474000	105.71100
## 8158	64.86804	21256.2331	0.0180492	11.638	11.76117200	104.01200
## 8160	64.91429	20459.0762	-0.0269642	11.632	11.80984500	102.48000
## 8162	64.95301	22099.1948	0.0668440	11.656	11.94075900	100.04500
## 8164	64.96781	24341.1569	0.0427227	11.680	12.07167400	101.38900
## 8166	64.98688	25695.7467	0.0292244	11.712	12.31368700	101.31000

## 8168	65.08754	27234.3471	0.0514984	11.744	12.55570100	100.39300
## 8170	65.49473	27977.7357	0.0227737	11.762	12.68583900	97.67520
## 8172	65.96782	29063.7643	0.0201960	11.766	12.70410400	98.35160
## 8174	66.30332	28937.4186	-0.0085001	11.770	12.72236800	99.62900
## 8176	66.52778	31064.5582	0.0574989	11.454	12.32259400	100.39200
## 8178	66.51543	30380.0708	0.0058298	11.138	11.92282100	100.86800
## 8180	66.22103	32141.8328	0.0274143	NA	NA	99.81520
## 8182	65.68670	33996.2048	0.0481796	NA	NA	98.51790
## 8184	65.18359	NA	NA	NA	NA	99.36090
## 8186	55.07463	3745.0329	0.0955639	1.606	1.52963240	NA
## 8188	53.58650	4258.0657	0.0312624	1.718	1.56032570	NA
## 8190	53.10436	4649.5524	0.0598049	1.830	1.59101910	NA
## 8192	51.85644	4763.4160	0.0587273	1.966	1.62410170	NA
## 8194	51.39211	4776.9114	0.0220108	2.102	1.65718420	NA
## 8196	50.43668	4677.5165	0.0439320	2.252	1.69897550	NA
## 8198	49.38272	5405.0513	0.0572214	2.416	1.74947550	NA
## 8200	48.93411	6425.6926	0.0891476	2.580	1.79997540	NA
## 8202	49.04110	6397.9897	0.0347481	2.760	1.85082470	NA
## 8204	49.52709	6520.1398	0.0151405	2.940	1.90167410	NA
## 8206	49.91909	6506.1365	0.0067425	3.088	1.98903210	70.09740
## 8208	50.49505	6717.6103	0.0423040	3.204	2.11289890	71.61560
## 8210	50.75269	6527.4193	-0.1160488	3.320	2.23676570	73.15080
## 8212	50.70802	7999.4146	0.0975151	3.492	2.45290290	74.46730
## 8214	50.69797	4170.9252	-0.4677105	3.664	2.66904020	77.76250
## 8216	50.56852	4877.9876	-0.0110140	3.820	2.87979210	NA
## 8218	50.45300	4790.2264	0.0369682	3.960	3.08515850	88.72860
## 8220	50.59140	4703.8332	0.0128136	4.100	3.29052490	87.69580
## 8222	50.87090	4517.5383	0.0348272	4.256	3.75246050	86.92710
## 8224	51.44395	2907.6463	-0.0738978	4.412	4.21439610	84.36260
## 8226	52.17595	2988.9220	0.0128164	4.596	4.62215970	91.07870
## 8228	53.11240	2876.3716	-0.0131888	4.808	4.97575130	95.94390
## 8230	54.08076	3079.2959	0.0446458	5.020	5.32934280	97.09950
## 8232	55.31651	3165.0526	0.0141792	5.216	5.64721740	97.68050
## 8234	56.72000	3340.8909	0.0148134	5.412	5.96509200	103.76100
## 8236	58.06827	3452.7605	0.0121775	5.604	6.28334570	108.97000
## 8238	59.41154	3430.1741	-0.0014658	5.792	6.60197850	117.54000
## 8240	60.68282	3554.1239	0.0156708	5.980	6.92061120	121.06700
## 8242	61.80779	3726.5543	0.0359936	6.232	7.14390440	124.08900
## 8244	62.80445	3878.7499	0.0145979	6.484	7.36719750	NA
## 8246	63.75976	4054.5399	0.0309267	NA	NA	NA
## 8248	64.82095	4231.8760	0.0162907	NA	NA	NA
## 8250	65.59663	NA	NA	NA	NA	NA
## 8252	49.86092	NA	NA	0.324	0.07291798	NA
## 8254	50.66225	NA	NA	0.332	0.07415075	NA
## 8256	51.57828	NA	NA	0.340	0.07538352	NA
## 8258	51.86522	NA	NA	0.356	0.07699452	NA
## 8260	52.20630	NA	NA	0.372	0.07860551	NA
## 8262	52.53406	1427.0105	0.0411038	0.384	0.08145811	NA
## 8264	52.68873	1664.4942	0.0756025	0.392	0.08555232	NA
## 8266	52.72459	1611.0338	0.0137429	0.400	0.08964652	NA
## 8268	52.40542	1534.6234	-0.0085344	0.416	0.10808502	NA
## 8270	52.26667	1358.7422	-0.1190801	0.432	0.12652352	NA
## 8272	52.06926	1410.5111	0.0111589	0.456	0.14801284	11.72570
## 8274	51.88452	1116.7009	-0.1799436	0.488	0.17255298	12.57420



## 8276	51.99696	1020.4539	-0.1771078	0.520	0.19709313	14.29600
## 8278	51.65826	1137.9522	0.0713830	0.572	0.23641274	18.27870
## 8280	51.75828	1324.1953	0.1550798	0.624	0.27573236	20.27360
## 8282	51.63166	1213.2693	-0.1010323	0.686	0.32427990	23.44370
## 8284	51.48182	1185.4571	-0.0238209	0.758	0.38205537	23.41570
## 8286	51.55799	946.1616	0.0568805	0.830	0.43983083	22.83010
## 8288	51.33370	894.1493	-0.0322495	0.914	0.50999884	25.33110
## 8290	51.46154	837.3694	-0.0460739	0.998	0.58016684	26.12630
## 8292	51.40998	822.5187	-0.0279679	1.078	0.64725739	27.98600
## 8294	51.31103	760.1653	-0.0410237	1.154	0.71127047	27.92220
## 8296	51.39653	770.5952	0.0317521	1.230	0.77528356	28.97800
## 8298	50.89974	729.5315	-0.0289826	1.290	0.82835860	29.77990
## 8300	50.54438	756.2625	-0.0301967	1.350	0.88143364	31.40890
## 8302	49.99140	736.3609	0.0430617	1.418	0.94925133	35.93510
## 8304	49.47975	744.1959	-0.0017123	1.494	1.03181170	43.30100
## 8306	49.08441	706.6818	0.0038753	1.570	1.11437200	48.92120
## 8308	48.53308	716.7583	-0.0020194	1.694	1.27312720	52.02920
## 8310	48.13768	730.8538	-0.0293822	1.818	1.43188250	59.69410
## 8312	47.83642	773.8179	0.0150814	NA	NA	67.27240
## 8314	47.55736	845.7725	0.0115452	NA	NA	70.22580
## 8316	47.43668	NA	NA	NA	NA	72.49940
## 8318	55.51228	2748.3757	0.0465446	NA	NA	NA
## 8320	55.55835	2847.8450	-0.0477962	NA	NA	NA
## 8322	55.80921	3172.7429	0.0386600	NA	NA	NA
## 8324	55.57950	3052.9178	0.0188322	NA	NA	NA
## 8326	55.61620	3545.1993	0.0828810	NA	NA	NA
## 8328	55.46885	3819.4468	-0.0385818	NA	NA	NA
## 8330	55.25889	3959.7434	0.0370865	NA	NA	NA
## 8332	55.23221	4202.7306	0.0225725	NA	NA	NA
## 8334	54.85620	3246.7119	-0.1476994	NA	NA	NA
## 8336	54.72222	4336.3749	0.2519178	NA	NA	NA
## 8338	54.46578	4946.7885	0.0857706	NA	NA	44.31320
## 8340	54.13476	5764.1388	0.1058264	NA	NA	50.23520
## 8342	53.94753	6233.5762	-0.0525942	NA	NA	NA
## 8344	53.52676	7067.8196	0.1223230	NA	NA	59.96700
## 8346	53.33896	6279.8684	-0.0876818	NA	NA	89.54090
## 8348	52.96829	5377.7316	-0.0494785	NA	NA	102.83400
## 8350	52.52410	5059.5626	-0.0450554	NA	NA	112.81000
## 8352	52.33458	4831.1704	0.0678949	NA	NA	106.02600
## 8354	52.12161	1102.6303	-0.2823224	NA	NA	89.51470
## 8356	52.23535	920.1070	-0.0399017	NA	NA	82.82690
## 8358	52.40763	696.2894	-0.1934443	NA	NA	85.42160
## 8360	52.66839	490.4347	-0.1738830	NA	NA	93.56470
## 8362	53.11195	413.9540	-0.0653892	NA	NA	89.06060
## 8364	53.29783	435.4493	0.0534225	NA	NA	NA
## 8366	53.61572	507.9208	0.2190113	NA	NA	93.81060
## 8368	53.74015	917.1834	0.1869359	NA	NA	96.04460
## 8370	53.74155	1544.2054	0.3290038	NA	NA	99.07560
## 8372	53.79325	3450.9305	0.4212322	NA	NA	100.93300
## 8374	53.55718	4446.3519	0.2275658	NA	NA	92.90240
## 8376	53.45928	4792.2298	0.0737228	NA	NA	84.99310
## 8378	53.34559	5168.6316	-0.0008287	NA	NA	90.24850
## 8380	53.25525	5388.3221	-0.0349035	NA	NA	93.67490
## 8382	53.37814	NA	NA	NA	NA	NA

## 8384	65.66446	9430.0215	0.0590048	7.402	7.46153630	NA
## 8386	64.75797	9906.4181	0.0235891	7.406	7.43864020	NA
## 8388	63.95821	10485.8260	0.0352345	7.410	7.41574420	NA
## 8390	63.32002	11268.9515	0.0288801	7.438	7.42385440	NA
## 8392	62.75939	11208.9068	0.0206013	7.466	7.43196450	NA
## 8394	62.58278	12159.4870	0.0552874	7.556	7.53244230	NA
## 8396	62.66304	12705.2650	0.0237589	7.708	7.72528780	NA
## 8398	62.70733	14189.1373	0.0508776	7.860	7.91813320	NA
## 8400	62.47368	15621.7371	0.0651131	8.044	8.12178170	NA
## 8402	61.95652	16448.4439	0.0200605	8.228	8.32543030	NA
## 8404	61.69129	17826.0692	0.0473166	8.364	8.50568550	103.80500
## 8406	61.49598	19291.6163	0.0523243	8.452	8.66254730	100.39600
## 8408	61.45833	19995.6732	0.0139866	8.540	8.81940910	101.36600
## 8410	61.54224	21220.1206	0.0253544	8.708	9.09813640	100.90400
## 8412	61.69591	22993.3157	0.0546150	8.876	9.37686360	99.53870
## 8414	61.92550	25049.5945	0.0111952	9.106	9.69639080	99.49260
## 8416	62.39193	24885.2614	0.0095606	9.398	10.05671800	98.35050
## 8418	62.67874	26859.8600	0.0246353	9.690	10.41704500	96.89790
## 8420	62.78960	26053.8968	-0.0033503	9.926	10.64513100	97.56310
## 8422	62.88660	26035.5110	0.0179071	10.162	10.87321800	99.21610
## 8424	62.84787	27069.9007	0.0198116	10.368	11.10974700	100.42400
## 8426	62.84404	28090.8510	0.0298223	10.544	11.35472000	99.05540
## 8428	62.76644	30485.4201	0.0458565	10.720	11.59969200	98.50950
## 8430	62.86996	35910.8052	0.0809193	10.840	11.71068700	84.37540
## 8432	62.98759	38183.6176	0.0609016	10.960	11.82168200	100.82200
## 8434	63.31724	43610.9308	-0.0023489	11.172	11.89571400	100.93700
## 8436	63.72719	42873.4393	0.0077934	11.476	11.93278200	100.05800
## 8438	64.15094	50510.7683	0.0752411	11.780	11.96985100	98.58250
## 8440	64.50253	57739.0133	0.0472851	11.704	11.80277700	99.17320
## 8442	64.72532	56246.7019	-0.0919724	11.628	11.63570400	99.15960
## 8444	64.75344	60881.8641	0.0462999	NA	NA	99.27300
## 8446	64.72914	65104.9791	0.0201797	NA	NA	100.33400
## 8448	64.46249	NA	NA	NA	NA	100.42100
## 8450	54.82456	NA	NA	NA	NA	NA
## 8452	54.85232	NA	NA	NA	NA	NA
## 8454	54.83871	NA	NA	NA	NA	NA
## 8456	54.82625	NA	NA	NA	NA	NA
## 8458	54.41176	NA	NA	NA	NA	NA
## 8460	54.19580	NA	NA	NA	NA	NA
## 8462	53.48837	NA	NA	NA	NA	NA
## 8464	53.77358	NA	NA	NA	NA	NA
## 8466	53.27381	NA	NA	NA	NA	NA
## 8468	51.82073	NA	NA	NA	NA	NA
## 8470	51.84211	7629.0752	-0.3914566	NA	NA	2.83068
## 8472	51.72414	5056.3429	-0.2245750	NA	NA	18.60570
## 8474	51.71625	8020.2937	0.0885878	NA	NA	34.43910
## 8476	50.84034	9360.4859	0.1131859	NA	NA	41.11420
## 8478	50.28791	10927.7107	0.1234055	NA	NA	47.42850
## 8480	49.56370	12799.0505	0.1078196	NA	NA	51.18300
## 8482	48.73418	12426.3834	-0.0270147	NA	NA	58.51530
## 8484	48.47605	14010.4135	0.0692511	NA	NA	68.61400
## 8486	47.49662	10080.1537	-0.0097294	NA	NA	76.16410
## 8488	46.99872	9275.2978	0.0474482	NA	NA	80.59210
## 8490	47.02309	9973.9231	-0.0649796	NA	NA	83.65270

## 8492	48.13520	10115.5083	-0.0205202	NA	NA	86.31230
## 8494	49.66368	10307.4405	0.0469952	NA	NA	86.36290
## 8496	51.88781	11955.7751	0.0656414	NA	NA	89.67730
## 8498	54.46058	12816.5016	0.1441994	NA	NA	92.37050
## 8500	56.39247	17082.2890	0.0483799	NA	NA	94.01810
## 8502	57.94920	20404.8042	0.0895643	NA	NA	91.22710
## 8504	59.31284	26821.6282	0.0366068	NA	NA	88.69040
## 8506	62.11180	42525.1506	0.0800409	NA	NA	89.05690
## 8508	64.12478	40710.8996	-0.1982660	NA	NA	103.32400
## 8510	65.53672	45084.6103	0.0293150	NA	NA	104.54600
## 8512	66.56998	41770.8130	-0.0834875	NA	NA	110.94200
## 8514	66.46825	NA	NA	NA	NA	109.28100
## 8516	52.27207	1297.6561	-0.0265183	0.994	0.37236142	NA
## 8518	52.96156	1237.7206	0.0047560	1.002	0.37652415	NA
## 8520	53.65382	1166.5840	-0.0488362	1.010	0.38068688	NA
## 8522	54.04069	1186.6103	-0.0160232	1.066	0.41407623	NA
## 8524	54.39890	1216.5026	0.0473609	1.122	0.44746558	NA
## 8526	54.39458	1210.0995	0.0159111	1.198	0.49632063	NA
## 8528	54.25353	1292.8809	0.0366073	1.294	0.56064135	NA
## 8530	53.97219	1438.8558	0.0613675	1.390	0.62496208	NA
## 8532	53.33254	1554.9482	-0.0101986	1.466	0.70799145	NA
## 8534	52.74449	1687.4204	0.0514088	1.542	0.79102083	NA
## 8536	52.37165	1788.7815	-0.0048819	1.640	0.87689073	49.20400
## 8538	52.22975	1841.3622	0.0262308	1.760	0.96560115	51.33890
## 8540	52.26153	1808.5482	-0.0142546	1.880	1.05431160	54.06070
## 8542	52.37742	1877.5368	0.0024161	1.988	1.14709850	56.60400
## 8544	52.59327	1970.9300	0.0151920	2.096	1.23988550	49.68210
## 8546	52.79292	2073.0722	0.0206633	2.222	1.33656710	50.21480
## 8548	53.02667	2148.7187	0.0293026	2.366	1.43714340	53.17190
## 8550	53.23635	2276.0765	0.0294905	2.510	1.53771980	54.98140
## 8552	53.04243	2388.7993	0.0380492	2.674	1.69025510	57.49710
## 8554	52.91206	2507.5393	0.0116267	2.838	1.84279040	58.14980
## 8556	52.83539	2483.5297	-0.0052338	3.008	2.01779540	NA
## 8558	52.95006	2544.7429	-0.0062499	3.184	2.21527030	NA
## 8560	53.27380	2636.6219	0.0330877	3.360	2.41274520	NA
## 8562	53.75925	2636.1337	-0.0264010	3.564	2.63105360	NA
## 8564	54.43148	2727.1461	-0.0029988	3.768	2.84936210	NA
## 8566	55.38938	2708.2710	-0.0116386	4.082	3.15341480	74.77370
## 8568	56.64031	2823.1146	0.0164628	4.506	3.54321170	78.20590
## 8570	57.84439	3166.1304	0.0542965	4.930	3.93300870	88.12990
## 8572	58.77625	3582.9773	0.0607233	4.966	4.09717150	91.18400
## 8574	59.43894	3873.3482	0.0642767	5.002	4.26133430	93.98730
## 8576	59.97086	4359.1868	0.0681572	NA	NA	91.97470
## 8578	60.49262	4455.2836	0.0221901	NA	NA	89.81500
## 8580	60.88078	NA	NA	NA	NA	92.70950
## 8582	53.72093	2014.4696	-0.0659795	3.836	4.15881540	NA
## 8584	53.08370	2229.1525	0.0354843	3.988	4.33717520	NA
## 8586	52.91667	2458.6153	0.0520263	4.140	4.51553490	NA
## 8588	52.75591	2637.3305	0.0666900	4.320	4.71000670	NA
## 8590	52.23048	2670.3142	0.0191989	4.500	4.90447840	NA
## 8592	52.09790	2968.1088	0.0821714	4.640	5.08022450	NA
## 8594	52.05931	3327.0727	0.0550442	4.740	5.23724480	NA
## 8596	51.93798	3631.2037	0.0643854	4.840	5.39426510	NA
## 8598	51.90058	4043.8276	0.0639935	4.988	5.60329980	NA

## 8600	52.13793	4472.1444	0.0608168	5.136	5.81233450	NA
## 8602	52.21354	5505.3470	0.0827227	5.346	6.03336570	109.04100
## 8604	52.52153	5761.9501	0.0132208	5.618	6.26639340	114.95800
## 8606	53.08498	5455.4803	-0.0192213	5.890	6.49942110	115.41700
## 8608	53.75276	5165.5192	-0.0385551	6.198	6.81709760	112.80700
## 8610	54.66946	5566.9644	-0.0103550	6.506	7.13477400	108.41900
## 8612	55.40000	6399.2494	0.0386534	6.796	7.45523130	103.30500
## 8614	56.44699	6433.6713	0.0107765	7.068	7.77846920	100.88500
## 8616	57.26027	6308.8481	0.0047598	7.340	8.10170720	100.70700
## 8618	58.16594	6868.0143	0.0346575	7.464	8.31338140	101.15700
## 8620	59.11371	5915.8490	-0.0244780	7.588	8.52505560	101.10800
## 8622	59.93590	6617.3651	0.0847826	7.806	8.75543050	99.75270
## 8624	60.59908	7374.5731	0.0385237	8.118	9.00450610	100.12500
## 8626	61.53279	7221.3957	-0.0264864	8.430	9.25358160	99.42170
## 8628	62.09335	8096.9874	0.0816031	8.554	9.46619010	NA
## 8630	62.45757	8790.0170	0.0182066	8.678	9.67879870	104.66100
## 8632	62.85901	9078.6199	0.0151310	8.828	9.84920810	107.41600
## 8634	63.27044	10213.2114	0.0871191	9.004	9.97741840	107.95900
## 8636	63.67495	11728.8272	0.1003666	9.180	10.10562900	107.28900
## 8638	64.18958	12120.7529	-0.0395508	9.216	10.18170700	108.70300
## 8640	64.37041	14007.1310	0.0740337	9.252	10.25778600	106.91900
## 8642	64.53901	16280.0454	0.1053591	NA	NA	107.06700
## 8644	64.97890	20168.2076	0.1444244	NA	NA	105.32600
## 8646	65.18632	NA	NA	NA	NA	NA
## 8648	55.60976	NA	NA	0.526	0.36345559	NA
## 8650	55.09479	NA	NA	0.558	0.38529430	NA
## 8652	54.94253	NA	NA	0.590	0.40713302	NA
## 8654	54.34298	NA	NA	0.654	0.48594504	NA
## 8656	54.35953	NA	NA	0.718	0.56475706	NA
## 8658	53.99792	NA	NA	0.794	0.65449913	NA
## 8660	53.80000	NA	NA	0.882	0.75517126	NA
## 8662	53.69128	NA	NA	0.970	0.85584339	NA
## 8664	53.47985	NA	NA	1.114	0.96722528	NA
## 8666	53.70532	NA	NA	1.258	1.07860720	NA
## 8668	53.34434	NA	NA	1.404	1.19067400	50.00960
## 8670	52.95950	NA	NA	1.552	1.30342570	52.80070
## 8672	52.72059	NA	NA	1.700	1.41617740	54.43590
## 8674	52.26166	NA	NA	1.864	1.59215800	54.32240
## 8676	52.40606	NA	NA	2.028	1.76813870	54.16850
## 8678	52.58890	NA	NA	2.210	1.94087280	52.97930
## 8680	52.53538	NA	NA	2.410	2.11036020	NA
## 8682	52.98716	NA	NA	2.610	2.27984760	NA
## 8684	53.68700	NA	NA	2.786	2.45247480	59.80390
## 8686	54.92176	NA	NA	2.962	2.62510210	63.27730
## 8688	55.71017	NA	NA	3.102	2.77920080	61.89620
## 8690	56.31555	NA	NA	3.206	2.91477100	68.02440
## 8692	56.75325	NA	NA	3.310	3.05034120	71.92400
## 8694	57.00205	NA	NA	3.378	3.10820940	73.04550
## 8696	57.18738	NA	NA	3.446	3.16607760	NA
## 8698	57.36491	NA	NA	3.582	3.32049490	64.27560
## 8700	57.47976	NA	NA	3.786	3.57146120	57.70510
## 8702	57.66007	NA	NA	3.990	3.82242750	58.11080
## 8704	57.89137	NA	NA	4.098	3.92735240	NA
## 8706	58.17073	NA	NA	4.206	4.03227730	NA

## 8708	58.65889	NA	NA	NA	NA	NA
## 8710	59.28512	NA	NA	NA	NA	NA
## 8712	59.95178	NA	NA	NA	NA	NA
## 8714	51.43229	1616.9379	NA	2.752	2.64969350	NA
## 8716	50.92707	1457.5140	-0.0603542	2.876	2.73153670	NA
## 8718	50.52879	1614.2969	0.0533161	3.000	2.81337990	NA
## 8720	50.39106	1553.8152	-0.0279627	3.172	2.97376020	NA
## 8722	50.31847	1595.7702	-0.0110803	3.344	3.13414060	NA
## 8724	50.05045	1627.7582	0.0287318	3.482	3.30667130	NA
## 8726	50.09597	1659.3087	0.0230379	3.586	3.49135250	NA
## 8728	49.81752	1764.5334	0.0400596	3.690	3.67603370	NA
## 8730	50.34722	1830.0403	0.0426278	3.870	3.92432180	NA
## 8732	50.70190	1915.0538	0.0289721	4.050	4.17260990	NA
## 8734	51.22143	2083.0563	0.0330963	4.248	4.40887310	99.89850
## 8736	51.88253	2300.8261	0.0524626	4.464	4.63311120	98.91500
## 8738	52.51799	2381.9093	0.0042667	4.680	4.85734940	94.83080
## 8740	53.11857	2871.1252	0.1090612	4.888	5.09297290	96.92660
## 8742	53.48534	2978.7536	-0.0268531	5.096	5.32859650	100.09300
## 8744	53.82716	3690.3459	0.0900183	5.320	5.56975670	104.17400
## 8746	54.05248	3364.8427	-0.0565395	5.560	5.81645360	105.15800
## 8748	54.35022	3389.1830	0.0076551	5.800	6.06315040	103.39700
## 8750	54.39875	3298.7742	0.0096951	5.924	6.27878100	101.77700
## 8752	54.43350	3635.9332	0.0394449	6.048	6.49441150	104.15800
## 8754	54.49018	3680.2475	0.0060749	6.138	6.59344080	107.15800
## 8756	54.76402	3794.0392	0.0222530	6.194	6.57586880	112.16900
## 8758	55.18267	3995.7954	0.0227375	6.250	6.55829690	113.93700
## 8760	55.83096	4069.7270	0.0066872	6.242	6.63481200	116.09400
## 8762	56.71991	3864.9821	-0.0497599	6.234	6.71132710	119.36400
## 8764	57.56554	3649.8502	0.0190325	6.502	7.06014950	119.36400
## 8766	58.64933	4835.6570	0.0451422	7.046	7.68127930	113.61800
## 8768	59.69941	4817.5060	-0.0174751	7.590	8.30240910	111.93900
## 8770	60.58444	5421.3633	0.0801487	7.582	8.32280010	106.98500
## 8772	61.32450	5944.9682	0.0234756	7.574	8.34319120	104.01100
## 8774	62.12903	7434.0406	0.0845881	NA	NA	102.94800
## 8776	62.97111	8080.4990	0.0876217	NA	NA	NA
## 8778	63.63914	NA	NA	NA	NA	NA
## 8780	54.69067	2187.4797	0.0617385	2.864	2.49778810	NA
## 8782	54.38554	2198.5903	0.0119576	2.932	2.56443570	NA
## 8784	54.18573	2358.9862	0.0138288	3.000	2.63108340	NA
## 8786	53.61250	2479.9640	0.0411911	3.084	2.71547640	NA
## 8788	53.19499	2369.0121	0.0118055	3.168	2.79986940	NA
## 8790	52.71950	2645.4142	0.0274730	3.308	2.93835410	NA
## 8792	52.23771	2881.1061	0.0290470	3.504	3.13093030	NA
## 8794	52.04364	3114.7402	0.0163727	3.700	3.32350650	NA
## 8796	51.82458	3345.4890	0.0189428	3.964	3.61372560	NA
## 8798	52.00433	3416.2546	0.0276794	4.228	3.90394460	NA
## 8800	52.21278	3584.6113	0.0067949	4.552	4.25130850	105.34500
## 8802	52.52118	3821.2835	0.0721445	4.936	4.65581740	108.23300
## 8804	52.96287	3919.8842	-0.0254478	5.320	5.06032620	111.41100
## 8806	53.38158	3798.7733	-0.0251598	5.632	5.39772880	113.23200
## 8808	53.91716	3920.6515	0.0685129	5.944	5.73513140	112.78100
## 8810	54.54545	4051.6389	0.0134945	6.204	6.05902340	114.17200
## 8812	55.36614	3637.6226	-0.0932198	6.412	6.36940480	115.57000
## 8814	56.19564	3819.4437	0.0079489	6.620	6.67978610	119.84100

## 8816	56.82307	4485.8680	0.0941925	6.864	6.97309480	114.08900
## 8818	57.39407	3420.5910	-0.1991806	7.108	7.26640340	116.23200
## 8820	58.01417	3484.5896	0.0260897	7.360	7.54531380	117.22500
## 8822	58.77231	3660.7163	0.0496302	7.620	7.80982590	116.59100
## 8824	59.52935	4651.5462	0.1000309	7.880	8.07433810	119.87300
## 8826	60.10467	5083.9814	0.0537329	8.268	8.49255130	118.06500
## 8828	60.68663	4847.9134	-0.0141068	8.656	8.91076450	121.86100
## 8830	61.34115	4888.6561	-0.0070753	8.990	9.27893780	120.89300
## 8832	62.04645	5443.6093	0.0511703	9.270	9.59707120	118.94100
## 8834	62.79137	6393.0075	0.0863476	9.550	9.91520460	117.47500
## 8836	63.54903	8017.5833	0.0894432	9.282	9.67247450	116.51700
## 8838	64.27538	8551.9437	0.0098400	9.014	9.42974440	111.10500
## 8840	64.79318	10329.0701	0.0727720	NA	NA	107.35700
## 8842	65.08891	10914.0653	0.0260305	NA	NA	103.10900
## 8844	65.27636	NA	NA	NA	NA	101.69500
## 8846	52.87178	1418.4669	-0.0038204	2.408	2.49662990	NA
## 8848	51.77812	1610.4453	0.1064200	2.804	2.88792190	NA
## 8850	51.29571	1749.8745	0.0443959	3.200	3.27921390	NA
## 8852	50.57034	1818.8717	0.0305634	3.304	3.30053320	NA
## 8854	50.29286	1932.4915	0.0599265	3.408	3.32185250	NA
## 8856	50.00371	1913.3695	0.0039239	3.554	3.45954670	NA
## 8858	49.56177	2044.7205	0.0331187	3.742	3.71361580	NA
## 8860	49.63718	2048.3051	0.0185647	3.930	3.96768480	NA
## 8862	50.04313	2087.2144	0.0002413	4.242	4.35499390	NA
## 8864	50.85801	2232.7495	0.0302696	4.554	4.74230300	NA
## 8866	51.51332	2373.8784	0.0238290	4.866	5.09784600	113.30100
## 8868	52.06496	2617.2607	0.0828681	5.178	5.42162280	108.69200
## 8870	52.60861	2683.8965	0.0259509	5.490	5.74539970	109.91400
## 8872	53.05876	2853.0202	0.0220218	5.778	6.03955550	110.88100
## 8874	53.54635	2959.1385	0.0070033	6.066	6.33371140	111.47400
## 8876	54.00399	3173.5409	0.0153818	6.284	6.56337270	111.36200
## 8878	54.51508	3142.2792	-0.0171604	6.432	6.72853940	107.93900
## 8880	54.99795	2713.0966	-0.0718789	6.580	6.89370620	105.57100
## 8882	55.33213	2976.0600	0.0603848	6.788	7.09222910	105.41100
## 8884	55.66786	3353.2449	0.0460663	6.996	7.29075210	109.05400
## 8886	56.08856	3549.7295	0.0148745	7.192	7.49267770	109.28500
## 8888	56.61578	3716.9710	0.0251179	7.376	7.69800590	107.27900
## 8890	57.17588	4363.6202	0.0792904	7.560	7.90333410	104.89900
## 8892	57.66077	4622.3973	-0.0145597	7.684	8.10671200	106.77500
## 8894	58.12086	4331.9357	-0.0153399	7.808	8.31008990	108.98800
## 8896	58.59636	4144.6866	-0.0402250	7.932	8.49665770	108.68500
## 8898	59.06624	4080.2807	0.0009518	8.056	8.66641520	107.81900
## 8900	59.61305	4065.2950	-0.0111732	8.180	8.83617280	105.98800
## 8902	60.45716	4579.4862	0.0640535	8.280	9.00359070	104.51900
## 8904	61.65420	5010.1114	0.0412560	8.380	9.17100860	108.87500
## 8906	62.55408	5754.8098	0.0506716	NA	NA	NA
## 8908	63.08221	6417.7801	0.0704517	NA	NA	116.81900
## 8910	63.42735	NA	NA	NA	NA	NA
## 8912	65.79146	NA	NA	5.454	5.67734690	NA
## 8914	65.25486	NA	NA	5.562	5.79944720	NA
## 8916	64.30787	NA	NA	5.670	5.92154740	NA
## 8918	62.98644	NA	NA	5.818	6.11823190	NA
## 8920	61.55727	NA	NA	5.966	6.31491650	NA
## 8922	60.87096	NA	NA	6.176	6.56882070	NA

## 8924	61.08319	NA	NA	6.448	6.87994460	NA
## 8926	61.68627	NA	NA	6.720	7.19106850	NA
## 8928	62.68322	NA	NA	6.972	7.43954300	NA
## 8930	63.61086	NA	NA	7.224	7.68801760	NA
## 8932	64.54326	5622.2808	0.0636377	7.462	7.93680420	98.42250
## 8934	65.43074	6043.0469	0.0337505	7.686	8.18590290	100.34800
## 8936	65.94653	6720.7291	0.0456228	7.910	8.43500170	100.93900
## 8938	65.72005	7039.1261	0.0222578	7.974	8.50006500	100.64000
## 8940	65.21691	7013.2366	-0.0090523	8.038	8.56512830	100.42300
## 8942	64.84767	5799.9886	-0.0676956	8.156	8.70725360	100.73300
## 8944	64.64150	6195.3711	0.0706539	8.328	8.92644080	102.77100
## 8946	64.38791	7257.0223	0.0760298	8.500	9.14562800	103.79600
## 8948	63.96767	8054.4736	0.0509882	8.724	9.53936690	103.04100
## 8950	63.75626	9122.8088	0.0573149	8.948	9.93310580	100.03100
## 8952	63.81001	7796.7424	-0.0510082	9.220	10.24960300	97.92540
## 8954	64.01838	9023.7588	0.0772753	9.540	10.48885800	98.58780
## 8956	64.55900	10828.0979	0.1005116	9.860	10.72811300	96.50030
## 8958	65.28023	12031.8704	0.0588541	10.020	10.87354300	98.12720
## 8960	66.32694	13293.5750	0.0472832	10.180	11.01897400	98.07320
## 8962	67.24922	13881.2757	0.0197430	10.396	11.24756500	97.79670
## 8964	67.95111	14241.9301	-0.0062866	10.668	11.55931700	96.94610
## 8966	68.62260	15194.3069	0.0155764	10.940	11.87106900	96.25240
## 8968	69.27611	17783.5872	0.1002960	11.092	12.00671800	96.67640
## 8970	69.67518	19654.7191	0.0657864	11.244	12.14236700	97.63110
## 8972	69.40456	22411.5523	0.0626144	NA	NA	99.48320
## 8974	68.64624	24445.0920	0.0312071	NA	NA	101.31100
## 8976	67.49925	NA	NA	NA	NA	NA
## 8978	63.82105	2984.2906	0.0903244	1.932	1.98943860	NA
## 8980	63.84945	3260.8515	0.0579653	1.996	2.05690770	NA
## 8982	63.69285	3501.1732	0.0251245	2.060	2.12437690	NA
## 8984	63.41944	3761.3713	0.0284271	2.148	2.23941770	NA
## 8986	63.23434	3955.0712	0.0503559	2.236	2.35445840	NA
## 8988	63.09216	4444.8719	0.0573750	2.316	2.41782050	NA
## 8990	62.84610	5063.6861	0.0562191	2.388	2.42950390	NA
## 8992	62.56995	5523.1116	0.0627813	2.460	2.44118740	NA
## 8994	62.13571	6054.4082	0.0661011	2.648	2.68060260	NA
## 8996	62.02504	7371.3168	0.0438290	2.836	2.92001780	NA
## 8998	62.05767	8406.3825	0.0700626	3.104	3.32281090	112.96100
## 9000	62.08815	9890.6759	0.0898914	3.452	3.88898180	115.21000
## 9002	62.13511	8909.6744	-0.0790234	3.800	4.45515260	116.70200
## 9004	62.11597	9671.8909	0.0400095	4.140	5.04105400	120.95600
## 9006	62.33818	10142.4504	0.0300112	4.480	5.62695530	121.08700
## 9008	62.76742	9956.4145	-0.0321436	4.804	6.11233960	121.02300
## 9010	63.25735	9811.4733	-0.0191917	5.112	6.49720690	119.69800
## 9012	63.80952	9776.1863	0.0334492	5.420	6.88207420	127.74600
## 9014	64.29823	11618.2986	0.0729837	5.652	7.20284940	128.57900
## 9016	64.88490	13524.9011	0.0677309	5.884	7.52362470	NA
## 9018	65.49241	15251.9075	0.0451765	6.138	7.88737560	119.86700
## 9020	65.95827	15903.1508	-0.0020552	6.414	8.29410220	120.19700
## 9022	66.27729	17605.5957	0.0430889	6.690	8.70082880	121.04900
## 9024	66.42599	19417.7935	0.0681753	6.986	9.11706560	NA
## 9026	66.55348	21795.7971	0.0565968	7.282	9.53330250	122.22100
## 9028	66.50431	22811.5826	0.0152617	7.348	9.64680900	123.05400
## 9030	66.31912	22919.4096	-0.0058546	7.184	9.45758520	119.64500

## 9032	66.03216	24139.4631	0.0382004	7.020	9.26836140	118.33600
## 9034	65.60498	26511.9353	0.0512772	7.220	9.45356900	117.30300
## 9036	65.24501	27011.5122	0.0100021	7.420	9.63877650	113.50900
## 9038	64.88494	26950.6448	-0.0212717	NA	NA	111.16500
## 9040	64.49909	27657.9629	0.0198040	NA	NA	109.92100
## 9042	64.04845	NA	NA	NA	NA	107.37000
## 9044	58.54615	NA	NA	1.724	1.84200010	NA
## 9046	51.58000	NA	NA	1.912	1.97600010	NA
## 9048	55.38125	NA	NA	2.100	2.11000000	NA
## 9050	49.72222	NA	NA	2.276	2.18960000	NA
## 9052	53.06842	NA	NA	2.452	2.26920000	NA
## 9054	51.12727	NA	NA	2.674	2.39353340	NA
## 9056	49.82000	NA	NA	2.942	2.56260010	NA
## 9058	47.26552	NA	NA	3.210	2.73166680	NA
## 9060	51.03939	NA	NA	3.438	3.05425000	NA
## 9062	48.72703	NA	NA	3.666	3.37683330	NA
## 9064	50.87381	87283.4571	0.0095034	3.878	3.71433990	107.98500
## 9066	49.74792	89811.9197	0.0110807	4.074	4.06676990	117.16300
## 9068	50.10364	88364.8015	-0.0031834	4.270	4.41919990	121.09200
## 9070	51.12656	80082.2429	-0.0994692	4.462	4.78288360	123.68900
## 9072	52.81974	80788.2839	-0.0329580	4.654	5.14656730	121.80000
## 9074	53.19444	69590.1714	-0.0355282	4.836	5.46663360	117.07100
## 9076	54.63679	37422.0792	-0.3009005	5.008	5.74308250	118.79200
## 9078	54.65041	30766.7493	-0.1565495	5.180	6.01953130	110.45600
## 9080	56.65324	22897.1584	0.0228796	5.340	6.29327970	105.18500
## 9082	56.26711	24234.2788	0.0816507	5.500	6.56702810	101.93100
## 9084	57.22857	23246.2958	-0.1000271	5.690	6.83274190	91.10320
## 9086	59.31879	22372.5008	-0.0842495	5.910	7.09042090	86.22420
## 9088	60.48655	23841.9453	0.0665846	6.130	7.34810000	91.65070
## 9090	61.32857	30116.6737	0.2069855	6.318	7.56606640	99.25430
## 9092	62.47879	33637.6848	0.1921949	6.506	7.78403290	107.03600
## 9094	64.16055	51962.3413	0.0517006	6.738	8.01970040	104.63100
## 9096	64.48884	75741.0747	0.3693247	7.014	8.27306880	110.52100
## 9098	64.05269	102105.7654	0.1585875	7.290	8.52643730	105.44100
## 9100	68.30991	121736.5167	0.0256882	7.746	9.04678970	105.77700
## 9102	70.79450	103910.6479	-0.2488279	8.202	9.56714220	107.48300
## 9104	71.48369	156908.9532	0.2555170	NA	NA	106.24400
## 9106	71.85960	156139.4279	-0.0233345	NA	NA	98.07430
## 9108	71.47810	NA	NA	NA	NA	102.99800
## 9110	66.09155	NA	NA	4.442	4.39186390	NA
## 9112	66.28598	NA	NA	4.566	4.52459160	NA
## 9114	66.32903	NA	NA	4.690	4.65731920	NA
## 9116	65.62500	NA	NA	4.886	4.88420100	NA
## 9118	64.67345	NA	NA	5.082	5.11108290	NA
## 9120	64.34448	1530.2771	0.0889783	5.262	5.32966070	NA
## 9122	64.71495	1793.1061	0.0739388	5.426	5.53993430	NA
## 9124	65.12592	2065.5403	0.0887346	5.590	5.75020800	NA
## 9126	65.56062	2386.8851	0.0982323	6.034	6.17965110	NA
## 9128	65.47354	2635.2236	0.0533471	6.478	6.60909420	NA
## 9130	65.24742	3108.3857	0.1117983	6.892	7.06416620	114.53300
## 9132	65.49550	3707.8062	0.0834866	7.276	7.54486720	108.76400
## 9134	65.16323	4445.3800	0.0831652	7.660	8.02556810	NA
## 9136	64.24426	5309.0924	0.0589781	7.880	8.42174000	NA
## 9138	62.82175	6079.1105	0.0717192	8.100	8.81791190	NA



## 9140	62.68657	6095.7816	-0.0147467	8.324	9.18750930	93.80470
## 9142	63.81239	6622.1881	0.0382071	8.552	9.53053220	NA
## 9144	64.80786	7031.7500	0.0173187	8.780	9.87355510	NA
## 9146	65.12907	7305.4207	0.0100222	8.996	10.03960400	93.37800
## 9148	64.94369	7093.3904	-0.0509005	9.212	10.20565300	91.01820
## 9150	65.03320	6234.2964	-0.0883665	9.396	10.40726200	84.87060
## 9152	65.65622	6004.9186	0.0545826	9.548	10.64443200	86.10340
## 9154	66.21865	6742.5097	0.0480890	9.700	10.88160200	95.25290
## 9156	66.61464	6873.5357	-0.0003319	9.836	10.93014800	98.82650
## 9158	66.58755	7390.0256	0.0462217	9.972	10.97869500	96.66020
## 9160	66.69040	8262.4565	0.0892916	10.094	11.00871000	97.79590
## 9162	66.98750	9051.3530	0.0443563	10.202	11.02019300	104.45600
## 9164	67.24405	10192.0788	0.0272589	10.310	11.03167700	108.68600
## 9166	67.19926	13606.2010	0.1463566	10.454	11.13739100	103.20400
## 9168	66.82163	16042.4335	0.0105553	10.598	11.24310400	97.65130
## 9170	66.39289	17639.4203	0.0538807	NA	NA	96.59190
## 9172	65.94096	19953.8858	0.0361366	NA	NA	NA
## 9174	65.28827	NA	NA	NA	NA	89.78310
## 9176	68.00890	NA	NA	3.946	4.25976090	NA
## 9178	69.18601	NA	NA	4.178	4.46274350	NA
## 9180	69.09027	NA	NA	4.410	4.66572600	NA
## 9182	67.88639	NA	NA	4.514	4.83813700	NA
## 9184	65.87662	NA	NA	4.618	5.01054790	NA
## 9186	64.81811	NA	NA	4.804	5.27671500	NA
## 9188	64.69751	NA	NA	5.072	5.63663820	NA
## 9190	64.89511	NA	NA	5.340	5.99656140	NA
## 9192	65.30163	NA	NA	5.580	6.37598470	NA
## 9194	65.73209	NA	NA	5.820	6.75540790	NA
## 9196	66.26647	NA	NA	6.090	7.13445870	104.64400
## 9198	66.66667	NA	NA	6.390	7.51313710	99.98930
## 9200	66.86261	NA	NA	6.690	7.89181540	98.97250
## 9202	66.59106	NA	NA	7.050	8.37256710	101.93100
## 9204	66.41558	NA	NA	7.410	8.85331870	105.74700
## 9206	66.26996	NA	NA	7.786	9.32443230	103.05000
## 9208	66.06897	NA	NA	8.178	9.78590790	101.80100
## 9210	65.75618	NA	NA	8.570	10.24738400	103.70600
## 9212	65.21402	NA	NA	8.926	10.66775300	107.55900
## 9214	64.75695	NA	NA	9.282	11.08812200	107.91300
## 9216	64.29716	18128.4338	-0.0774279	9.556	11.37581900	110.28800
## 9218	64.04253	15807.2754	-0.1955957	9.748	11.53084300	109.43700
## 9220	64.25822	12319.8650	-0.0670776	9.940	11.68586800	107.81000
## 9222	65.35849	9009.7625	-0.0420389	10.324	11.79816100	106.26500
## 9224	66.61802	9055.7715	0.0612049	10.708	11.91045400	102.92500
## 9226	67.52096	10133.2185	-0.0370731	10.960	11.97415600	106.09300
## 9228	68.03982	11163.1484	0.0739288	11.080	11.98926600	121.08100
## 9230	68.69742	14008.2661	0.1135092	11.200	12.00437600	95.27000
## 9232	69.30320	18056.3015	0.1239014	11.332	12.09628500	95.69320
## 9234	69.80348	17924.6602	-0.1071453	11.464	12.18819300	99.21210
## 9236	69.64137	22847.3537	0.1228638	NA	NA	100.92400
## 9238	68.90173	23709.5508	0.0038214	NA	NA	100.24000
## 9240	67.90778	NA	NA	NA	NA	100.52100
## 9242	54.23581	NA	NA	0.346	0.20677316	NA
## 9244	53.14050	NA	NA	0.398	0.21712110	NA
## 9246	52.09953	NA	NA	0.450	0.22746903	NA

## 9248	50.80175	NA	NA	0.586	0.27850596	NA
## 9250	49.75978	NA	NA	0.722	0.32954289	NA
## 9252	48.68938	915.9941	-0.0496111	0.820	0.37190864	NA
## 9254	48.13409	879.8009	-0.1344733	0.880	0.40560320	NA
## 9256	47.90528	790.5686	0.0313773	0.940	0.43929776	NA
## 9258	48.36301	859.8543	0.0457702	1.028	0.54371859	NA
## 9260	49.08306	958.3640	0.0742493	1.116	0.64813942	NA
## 9262	49.61910	973.2149	-0.0205178	1.216	0.76493273	64.66020
## 9264	49.90421	992.1314	0.0111051	1.328	0.89409850	59.73240
## 9266	50.27051	962.6019	-0.0189996	1.440	1.02326430	55.61640
## 9268	49.89429	1131.7462	0.0323057	1.540	1.15065850	59.62020
## 9270	49.72288	1214.3479	0.1006556	1.640	1.27805270	66.42570
## 9272	49.20400	1274.6778	0.1025763	1.728	1.41159410	73.89890
## 9274	48.71528	1239.7333	0.0290337	1.804	1.55128260	71.55250
## 9276	48.31027	1173.5033	0.0091395	1.880	1.69097120	68.96570
## 9278	47.85276	1073.2989	-0.0926628	2.000	1.88742830	71.29520
## 9280	47.73036	1091.0470	0.0462270	2.120	2.08388530	73.40940
## 9282	48.71155	946.7787	-0.1026478	2.276	2.34038780	75.17420
## 9284	51.30971	1020.1803	-0.0246134	2.468	2.65693560	NA
## 9286	54.58686	617.6119	0.2183356	2.660	2.97348340	NA
## 9288	54.51327	765.0163	0.1135674	2.888	3.25825990	98.57330
## 9290	53.33164	725.6329	-0.0505996	3.116	3.54303630	99.00350
## 9292	53.58543	790.2111	0.0295830	3.350	3.81894860	107.36000
## 9294	55.10474	857.5473	-0.0122375	3.590	4.08599660	124.50000
## 9296	56.37869	996.5367	0.0763559	3.830	4.35304450	136.59800
## 9298	56.55242	1034.0066	-0.0478239	4.042	4.53995890	145.85100
## 9300	56.27863	1233.5460	0.0702119	4.254	4.72687320	143.79300
## 9302	56.31121	1384.1668	0.0791168	NA	NA	141.69100
## 9304	56.78201	1507.2728	0.0326729	NA	NA	137.74300
## 9306	57.38843	NA	NA	NA	NA	132.55000
## 9308	53.65854	NA	NA	NA	NA	NA
## 9310	51.16279	NA	NA	NA	NA	NA
## 9312	52.17391	NA	NA	NA	NA	NA
## 9314	46.93878	NA	NA	NA	NA	NA
## 9316	48.07692	NA	NA	NA	NA	NA
## 9318	50.90909	NA	NA	NA	NA	NA
## 9320	47.45763	NA	NA	NA	NA	NA
## 9322	47.61905	NA	NA	NA	NA	NA
## 9324	46.96970	NA	NA	NA	NA	NA
## 9326	47.82609	NA	NA	NA	NA	NA
## 9328	46.47887	NA	NA	NA	NA	82.60080
## 9330	47.94521	NA	NA	NA	NA	88.74780
## 9332	48.00000	NA	NA	NA	NA	92.92890
## 9334	49.33333	NA	NA	NA	NA	96.89130
## 9336	51.31579	NA	NA	NA	NA	100.17800
## 9338	52.63158	NA	NA	NA	NA	97.34440
## 9340	54.54545	NA	NA	NA	NA	97.06700
## 9342	55.84416	NA	NA	NA	NA	NA
## 9344	55.84416	NA	NA	NA	NA	NA
## 9346	57.14286	NA	NA	NA	NA	NA
## 9348	55.12821	NA	NA	NA	NA	NA
## 9350	57.50000	NA	NA	NA	NA	NA
## 9352	54.87805	NA	NA	NA	NA	100.11000
## 9354	54.21687	NA	NA	NA	NA	76.24270

##	9356	55.42169	NA	NA	NA	NA	96.05190
##	9358	54.76190	NA	NA	NA	NA	100.26800
##	9360	55.29412	NA	NA	NA	NA	107.43700
##	9362	55.17241	NA	NA	NA	NA	109.36700
##	9364	55.68182	NA	NA	NA	NA	107.94400
##	9366	56.17978	NA	NA	NA	NA	106.41800
##	9368	56.04396	NA	NA	NA	NA	106.52900
##	9370	56.52174	NA	NA	NA	NA	NA
##	9372	56.38298	NA	NA	NA	NA	106.73100
##	9374	65.38462	NA	NA	NA	NA	NA
##	9376	61.53846	NA	NA	NA	NA	NA
##	9378	61.53846	NA	NA	NA	NA	NA
##	9380	62.96296	NA	NA	NA	NA	NA
##	9382	60.71429	NA	NA	NA	NA	NA
##	9384	58.62069	NA	NA	NA	NA	NA
##	9386	55.17241	NA	NA	NA	NA	NA
##	9388	54.83871	NA	NA	NA	NA	NA
##	9390	51.51515	NA	NA	NA	NA	NA
##	9392	47.22222	NA	NA	NA	NA	NA
##	9394	44.73684	2091.7977	0.0293126	NA	NA	111.10000
##	9396	45.00000	2165.6704	0.0237403	NA	NA	146.00000
##	9398	47.61905	2332.8663	0.0386066	NA	NA	117.80800
##	9400	52.27273	2687.2164	0.1506391	NA	NA	129.05600
##	9402	51.06383	3186.9990	0.1222453	NA	NA	NA
##	9404	48.97959	2286.3342	-0.1301031	NA	NA	157.85600
##	9406	47.05882	2172.4117	-0.0640860	NA	NA	146.95600
##	9408	50.00000	2127.6493	0.0212865	NA	NA	128.41200
##	9410	50.00000	1876.8915	-0.0554214	NA	NA	120.70700
##	9412	46.42857	1980.2573	0.1034112	NA	NA	NA
##	9414	48.27586	1837.7807	-0.0358877	NA	NA	148.18500
##	9416	49.18033	1765.2412	-0.0099673	NA	NA	NA
##	9418	49.20635	1614.6004	-0.0578842	NA	NA	NA
##	9420	46.96970	1667.9852	-0.0039849	NA	NA	NA
##	9422	48.52941	1734.6817	-0.0245233	NA	NA	103.35200
##	9424	51.42857	1964.7088	0.0755119	NA	NA	NA
##	9426	50.00000	2022.7220	0.0166869	NA	NA	127.44600
##	9428	51.94805	2173.2002	0.0251975	NA	NA	129.75000
##	9430	52.50000	2201.6239	-0.0113950	NA	NA	122.92300
##	9432	51.19048	2275.0815	0.0070033	NA	NA	124.62300
##	9434	53.40909	2796.8036	0.1012321	NA	NA	122.29800
##	9436	53.26087	3096.3008	0.0185919	NA	NA	114.57700
##	9438	53.12500	NA	NA	NA	NA	113.60000
##	9440	54.24588	NA	NA	2.350	1.22940750	NA
##	9442	53.83693	NA	NA	2.430	1.27430570	NA
##	9444	53.68481	NA	NA	2.510	1.31920400	NA
##	9446	53.16524	NA	NA	2.590	1.36110200	NA
##	9448	52.93820	NA	NA	2.670	1.40300010	NA
##	9450	52.64412	NA	NA	2.778	1.48935070	NA
##	9452	52.29603	NA	NA	2.914	1.62015380	NA
##	9454	52.06336	NA	NA	3.050	1.75095700	NA
##	9456	51.79128	NA	NA	3.118	1.76902620	NA
##	9458	51.54153	NA	NA	3.186	1.78709550	NA
##	9460	51.30785	50449.4744	0.2467718	3.322	1.90794780	NA
##	9462	51.13916	71967.2464	0.0736408	3.526	2.13158310	NA

## 9464	50.89787	90164.9581	-0.0963507	3.730	2.35521850	NA
## 9466	50.13991	65206.3847	-0.1440258	3.942	2.53018270	NA
## 9468	49.38102	57200.7038	0.1933260	4.154	2.70514690	56.74520
## 9470	49.10842	65954.4528	-0.1166391	4.442	3.00579520	NA
## 9472	49.34186	22646.2448	-0.4818583	4.806	3.43212750	NA
## 9474	49.84274	23589.1041	0.1789417	5.170	3.85845970	NA
## 9476	49.79348	16679.1583	-0.0954437	5.438	4.30521600	NA
## 9478	49.48454	16774.3022	0.0155678	5.706	4.75197230	NA
## 9480	49.29350	18608.7728	-0.0108175	5.940	5.13707190	NA
## 9482	49.65115	18524.2741	-0.0416956	6.140	5.46051470	NA
## 9484	50.57485	16846.2294	-0.0262671	6.340	5.78395760	NA
## 9486	53.11086	17234.1627	-0.0311518	6.636	6.28959710	NA
## 9488	55.01016	16837.6432	0.0915365	6.932	6.79523670	NA
## 9490	56.43233	18011.2265	-0.0751104	7.202	7.25060570	NA
## 9492	57.98327	20216.0931	0.0535593	7.446	7.65570420	NA
## 9494	59.42387	27532.7432	0.1639595	7.690	8.06080260	93.04540
## 9496	60.93518	33545.7789	0.0737991	8.026	8.51832750	94.81880
## 9498	62.03735	33990.1378	-0.1950531	8.362	8.97585240	97.32260
## 9500	62.95706	51049.8520	0.2335730	NA	NA	99.60890
## 9502	63.79008	50339.8623	-0.0377159	NA	NA	107.37900
## 9504	64.28780	NA	NA	NA	NA	109.47800
## 9506	54.95356	NA	NA	1.776	1.17507510	NA
## 9508	54.74777	NA	NA	1.808	1.17762090	NA
## 9510	54.99646	NA	NA	1.840	1.18016670	NA
## 9512	54.42269	NA	NA	1.936	1.19794270	NA
## 9514	54.30039	NA	NA	2.032	1.21571870	NA
## 9516	53.80865	2204.1016	-0.0000777	2.086	1.24739780	NA
## 9518	53.12139	2129.0358	-0.0039034	2.098	1.29297980	NA
## 9520	52.98630	2056.6557	-0.0369062	2.110	1.33856190	NA
## 9522	52.54413	2002.0426	-0.0317206	2.182	1.41315660	NA
## 9524	52.60314	1622.5869	-0.1444426	2.254	1.48775130	NA
## 9526	52.52666	1697.2770	-0.0331273	2.322	1.56787850	39.12930
## 9528	52.27074	1560.8306	-0.0897250	2.386	1.65353820	39.51600
## 9530	52.26711	1701.4532	0.0144687	2.450	1.73919800	40.50470
## 9532	51.48322	1740.9715	-0.0117488	2.466	1.76204740	42.85380
## 9534	50.92456	1733.6900	0.0420923	2.482	1.78489690	42.40620
## 9536	50.40196	1585.7298	-0.0087528	2.478	1.79425240	44.54790
## 9538	49.98353	1864.6088	0.0362458	2.454	1.79011400	48.52810
## 9540	49.96900	2078.2506	0.0735474	2.430	1.78597570	51.32690
## 9542	49.91264	2117.8159	-0.0094681	2.390	1.77892870	53.71930
## 9544	50.13669	2033.2936	-0.0413413	2.350	1.77188180	54.04350
## 9546	50.42384	1935.7796	-0.0400977	2.304	1.75952850	54.92680
## 9548	50.83353	1799.4362	-0.0571194	2.252	1.74186890	54.15070
## 9550	51.36799	1743.0317	-0.0211549	2.200	1.72420920	55.86860
## 9552	51.80385	1793.8365	-0.0035815	2.088	1.66292590	62.96500
## 9554	52.26574	1871.9087	0.0188079	1.976	1.60164250	64.92380
## 9556	52.79938	1891.5129	0.0132208	1.850	1.52321130	69.96470
## 9558	53.24867	1884.8372	0.0281205	1.710	1.42763210	74.75860
## 9560	53.70951	1930.4106	0.0211978	1.570	1.33205290	78.73560
## 9562	53.97165	2003.1191	0.0341530	2.038	1.88601800	82.32590
## 9564	54.22831	2090.6285	0.0600309	2.506	2.43998300	82.20210
## 9566	54.29200	2085.7697	-0.0104151	NA	NA	80.97890
## 9568	54.20174	2173.6496	0.0379829	NA	NA	81.48450
## 9570	54.21374	NA	NA	NA	NA	82.17190

## 9572	64.07049	NA	NA	4.416	3.66295520	NA
## 9574	64.03873	NA	NA	4.608	3.76022630	NA
## 9576	63.98592	NA	NA	4.800	3.85749750	NA
## 9578	63.73071	NA	NA	4.872	4.09673840	NA
## 9580	63.49331	NA	NA	4.944	4.33597930	NA
## 9582	63.64812	NA	NA	5.040	4.55120060	NA
## 9584	63.94280	NA	NA	5.160	4.74240240	NA
## 9586	64.65843	NA	NA	5.280	4.93360410	NA
## 9588	65.26499	NA	NA	5.492	5.24925060	NA
## 9590	66.13497	NA	NA	5.704	5.56489710	NA
## 9592	66.47343	NA	NA	5.950	5.91678860	NA
## 9594	66.30280	NA	NA	6.230	6.30492520	NA
## 9596	66.06893	NA	NA	6.510	6.69306170	NA
## 9598	65.81411	NA	NA	6.730	7.02835560	NA
## 9600	65.72581	NA	NA	6.950	7.36364940	NA
## 9602	65.88158	NA	NA	7.178	7.72455680	NA
## 9604	66.28386	NA	NA	7.414	8.11107780	NA
## 9606	66.53846	NA	NA	7.650	8.49759870	NA
## 9608	66.32847	NA	NA	7.746	8.57788350	NA
## 9610	66.01171	NA	NA	7.842	8.65816820	NA
## 9612	65.76891	7147.6440	-0.0840387	8.026	8.84352550	NA
## 9614	65.62626	3561.3477	-0.3637466	8.298	9.13395520	NA
## 9616	65.49661	3842.9536	0.0479269	8.570	9.42438490	NA
## 9618	65.29708	6961.2780	0.1316805	8.742	9.53577460	NA
## 9620	64.80263	7185.6869	-0.0618906	8.914	9.64716430	109.67200
## 9622	64.49927	7285.7547	-0.0693274	9.212	9.90466720	102.52100
## 9624	64.77177	8274.7180	0.0666094	9.636	10.30828300	101.06500
## 9626	65.22572	9187.8566	0.0851898	10.060	10.71189900	102.74700
## 9628	65.91688	10593.5668	0.0553541	10.376	11.05247900	101.06200
## 9630	66.40121	11705.0471	0.0073175	10.692	11.39305900	97.68580
## 9632	66.34157	12262.5121	0.0554514	NA	NA	101.49300
## 9634	65.77739	13449.3984	0.0539351	NA	NA	100.89600
## 9636	65.17325	NA	NA	NA	NA	101.34300
## 9638	60.73686	NA	NA	NA	NA	NA
## 9640	59.51380	NA	NA	NA	NA	NA
## 9642	59.16004	NA	NA	NA	NA	NA
## 9644	57.85176	NA	NA	NA	NA	NA
## 9646	56.80502	NA	NA	NA	NA	NA
## 9648	55.14399	6055.7065	-0.0548515	NA	NA	NA
## 9650	52.98570	6505.5219	0.0450296	NA	NA	NA
## 9652	51.81895	6398.4334	-0.0780640	NA	NA	NA
## 9654	50.80068	6098.7622	0.0138302	NA	NA	NA
## 9656	50.44953	5873.3187	-0.1922703	NA	NA	NA
## 9658	50.62666	7934.3197	0.1227341	NA	NA	106.68900
## 9660	51.35579	8674.9250	0.0518608	NA	NA	107.73800
## 9662	52.24986	8738.8334	0.0118685	NA	NA	105.37600
## 9664	53.06367	10768.1523	0.1228018	NA	NA	101.48100
## 9666	54.03101	12727.3716	0.1080236	NA	NA	99.46170
## 9668	55.15617	9958.5835	-0.0686731	NA	NA	97.74360
## 9670	56.33890	9489.0757	0.0730753	NA	NA	99.15190
## 9672	57.39472	11099.5046	0.0531483	NA	NA	99.89680
## 9674	57.26461	12558.8966	0.1426907	NA	NA	98.50140
## 9676	57.15588	13997.7288	0.0673590	NA	NA	96.23640
## 9678	58.04598	15372.0220	0.0084915	NA	NA	99.73430

## 9680	59.62291	17268.1635	0.0687075	NA	NA	100.29500
## 9682	60.96364	16414.2086	-0.0723295	NA	NA	102.77600
## 9684	61.72170	18362.4167	0.1511650	NA	NA	101.36200
## 9686	62.66813	20210.2385	0.0167341	NA	NA	104.07700
## 9688	64.10213	18006.2505	-0.0957661	NA	NA	105.04700
## 9690	65.61027	18133.6506	-0.0611925	NA	NA	106.36400
## 9692	66.90839	18207.6398	0.0232468	NA	NA	109.06500
## 9694	67.36365	21489.4424	0.0559664	NA	NA	107.71700
## 9696	68.22370	19490.6877	-0.0189743	NA	NA	107.92100
## 9698	68.69978	22061.9272	0.0873499	NA	NA	110.39900
## 9700	68.83367	24845.0182	0.0711803	NA	NA	105.98100
## 9702	68.58943	NA	NA	NA	NA	102.29100
## 9704	57.58483	NA	NA	0.420	0.28344753	NA
## 9706	57.46341	NA	NA	0.440	0.28649166	NA
## 9708	57.90476	NA	NA	0.460	0.28953578	NA
## 9710	57.62082	NA	NA	0.476	0.29815312	NA
## 9712	57.51812	NA	NA	0.492	0.30677046	NA
## 9714	57.63460	944.3554	NA	0.534	0.32869942	NA
## 9716	57.30241	1024.1277	0.0453224	0.602	0.36394002	NA
## 9718	57.64411	1200.2513	0.0020499	0.670	0.39918061	NA
## 9720	57.27051	1049.6367	-0.1096268	0.738	0.44957028	NA
## 9722	57.13160	1156.0159	0.0368838	0.806	0.49995996	NA
## 9724	56.97941	1361.1764	-0.0023227	0.892	0.56688344	39.19740
## 9726	56.48012	1413.7467	0.0171089	0.996	0.65034073	38.07520
## 9728	56.27215	1381.7936	-0.0258307	1.100	0.73379801	41.08020
## 9730	55.60843	1308.2839	-0.0151572	1.220	0.83145194	44.54140
## 9732	54.94792	1324.5304	0.0005441	1.340	0.92910586	NA
## 9734	54.36409	1314.5613	0.0327711	1.470	1.03663260	56.55320
## 9736	53.82318	1300.8524	-0.0392447	1.610	1.15403230	58.64380
## 9738	53.46985	1317.2079	-0.0079303	1.750	1.27143190	65.41210
## 9740	52.84030	1383.3521	0.0465879	1.886	1.43243180	NA
## 9742	52.67448	1467.5275	0.0398445	2.022	1.59343160	53.90690
## 9744	52.57887	1633.0718	0.0269675	2.164	1.73782430	47.99110
## 9746	52.61289	1727.0071	0.1136479	2.312	1.86560990	NA
## 9748	52.95934	1822.2400	-0.0630264	2.460	1.99339540	NA
## 9750	53.03186	1365.6768	-0.1173315	2.588	2.12740450	NA
## 9752	53.37669	861.2156	-0.3264718	2.716	2.26141350	NA
## 9754	53.48620	1080.3202	0.1030793	2.868	2.41631880	83.30380
## 9756	53.58811	1167.3449	-0.0239139	3.044	2.59212030	NA
## 9758	53.81323	1070.6515	-0.0543432	3.220	2.76792190	NA
## 9760	53.73353	1121.1520	0.0268488	3.624	3.17673900	NA
## 9762	53.98601	1208.6510	0.0424166	4.028	3.58555610	NA
## 9764	54.28094	1286.3903	0.0357590	NA	NA	125.29400
## 9766	54.70551	1783.6337	0.1458449	NA	NA	130.04600
## 9768	55.33742	NA	NA	NA	NA	127.59900
## 9770	55.07812	NA	NA	2.788	1.81974690	NA
## 9772	55.25847	NA	NA	2.944	1.98132390	NA
## 9774	54.60420	NA	NA	3.100	2.14290100	NA
## 9776	53.59765	NA	NA	3.340	2.44793890	NA
## 9778	53.29744	NA	NA	3.580	2.75297680	NA
## 9780	52.42839	2753.2849	0.0331802	3.832	3.09163300	NA
## 9782	52.27008	3221.5601	0.0970497	4.096	3.46390760	NA
## 9784	53.07692	3262.7446	0.0683126	4.360	3.83618230	NA
## 9786	54.50734	4026.8307	0.1128759	4.696	4.30638010	NA

## 9788	56.59617	5189.0768	0.1311665	5.032	4.77657800	NA
## 9790	58.62403	6485.3134	0.1092081	5.174	5.04279300	NA
## 9792	60.69094	7835.0535	0.0809946	5.122	5.10502530	NA
## 9794	62.78229	8444.5033	0.0094967	5.070	5.16725760	NA
## 9796	64.75771	9378.1088	0.0474920	5.146	5.36653010	NA
## 9798	67.18213	11218.0328	0.0882607	5.222	5.56580270	NA
## 9800	68.68268	13311.7627	0.0686312	5.402	5.85139990	NA
## 9802	69.56522	15585.0928	0.0820427	5.686	6.22332190	NA
## 9804	70.35365	15483.9868	-0.0581007	5.970	6.59524390	NA
## 9806	71.33621	16145.3019	0.0633707	6.246	6.91576890	NA
## 9808	72.53425	18578.8661	0.0754633	6.522	7.23629400	NA
## 9810	72.87476	21704.9828	0.0576229	6.924	7.71764370	NA
## 9812	72.11009	24257.1730	0.0819426	7.452	8.35981800	NA
## 9814	71.44509	28163.9297	0.0787258	7.980	9.00199230	NA
## 9816	70.91809	33029.9403	0.1040230	8.448	9.67810930	NA
## 9818	71.20419	34130.1895	0.0663004	8.916	10.35422600	NA
## 9820	71.62698	39007.7147	-0.0287552	9.086	10.65714000	NA
## 9822	72.21703	42340.9419	0.0294781	8.958	10.58685000	NA
## 9824	72.52650	56589.5539	0.1214323	8.830	10.51656000	NA
## 9826	72.63598	63690.1819	0.0649900	9.622	11.40915700	NA
## 9828	73.06009	59965.8832	-0.0178957	10.414	12.30175300	NA
## 9830	73.30798	71790.4865	0.0376024	NA	NA	NA
## 9832	72.94633	72743.5248	0.0016928	NA	NA	NA
## 9834	72.34942	NA	NA	NA	NA	NA
## 9836	64.72546	NA	NA	8.160	7.93348410	NA
## 9838	63.78205	NA	NA	8.220	8.02090780	NA
## 9840	63.06028	NA	NA	8.280	8.10833160	NA
## 9842	62.31306	NA	NA	8.328	8.20863110	NA
## 9844	62.05227	NA	NA	8.376	8.30893070	NA
## 9846	61.71617	NA	NA	8.520	8.46928010	NA
## 9848	61.38249	NA	NA	8.760	8.68967950	NA
## 9850	61.40985	NA	NA	9.000	8.91007880	NA
## 9852	62.06589	NA	NA	9.200	9.11995090	NA
## 9854	62.97760	NA	NA	9.400	9.32982290	NA
## 9856	63.61279	NA	NA	9.574	9.54266790	NA
## 9858	63.82528	NA	NA	9.722	9.75848590	NA
## 9860	63.73079	NA	NA	9.870	9.97430380	NA
## 9862	63.29268	NA	NA	9.978	10.10814600	NA
## 9864	62.93790	NA	NA	10.086	10.24198800	NA
## 9866	63.01798	NA	NA	10.174	10.37986800	NA
## 9868	63.59784	NA	NA	10.242	10.52178600	NA
## 9870	63.87833	NA	NA	10.310	10.66370500	NA
## 9872	63.69786	NA	NA	10.462	10.93815000	NA
## 9874	63.43006	NA	NA	10.614	11.21259500	NA
## 9876	63.71681	13491.7862	-0.2353668	10.800	11.40442700	100.17600
## 9878	64.46069	12533.2892	0.0004015	11.020	11.51364400	101.07200
## 9880	65.37064	13825.5516	0.0484028	11.240	11.62286200	100.31300
## 9882	66.22013	14570.8850	0.0301600	11.224	11.65550500	98.40130
## 9884	67.12428	14119.4717	-0.0310001	11.208	11.68814700	101.58900
## 9886	68.09816	15339.2885	0.0456476	11.404	11.79674600	102.02500
## 9888	69.04762	16539.1215	0.0311775	11.812	11.98130100	98.94860
## 9890	69.89906	18166.5746	0.0534143	12.220	12.16585500	98.63030
## 9892	70.26638	22742.3640	0.1320982	12.460	12.43751500	103.48400
## 9894	70.49946	23958.4677	-0.0254469	12.700	12.70917400	103.70400

##	9896	70.33716	25388.9254	0.0152884	NA	NA	101.31700
##	9898	69.91404	27690.6129	0.0399857	NA	NA	101.75800
##	9900	69.06295	NA	NA	NA	NA	99.73210
##	9902	66.49418	NA	NA	5.942	5.64707150	NA
##	9904	66.07143	NA	NA	6.106	5.79337360	NA
##	9906	65.87202	NA	NA	6.270	5.93967570	NA
##	9908	65.51298	NA	NA	6.334	6.09826770	NA
##	9910	65.28624	NA	NA	6.398	6.25685970	NA
##	9912	65.02404	NA	NA	6.580	6.47285680	NA
##	9914	64.96437	NA	NA	6.880	6.74625890	NA
##	9916	65.13545	NA	NA	7.180	7.01966110	NA
##	9918	65.41618	NA	NA	7.440	7.33921080	NA
##	9920	65.38462	NA	NA	7.700	7.65876050	NA
##	9922	65.39792	NA	NA	7.982	7.98997500	NA
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##	9926	64.18242	NA	NA	8.590	8.67573370	NA
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##	9930	64.46809	NA	NA	8.974	9.18112930	NA
##	9932	64.72425	NA	NA	9.270	9.53340810	97.39570
##	9934	65.54536	NA	NA	9.670	9.98526790	100.35500
##	9936	66.70000	NA	NA	10.070	10.43712800	98.22470
##	9938	66.96165	NA	NA	10.350	10.67397200	96.14240
##	9940	66.76385	NA	NA	10.630	10.91081500	95.98470
##	9942	66.92456	16732.8484	-0.1345110	10.826	11.10365300	96.11290
##	9944	67.02231	16862.8474	0.0639620	10.938	11.25248500	93.71280
##	9946	67.44639	19617.1881	0.0816584	11.050	11.40131600	96.49740
##	9948	67.51468	21036.3221	0.0268974	11.170	11.50749300	98.73860
##	9950	67.51717	22130.7833	0.0351219	11.290	11.61367000	98.16830
##	9952	67.48527	23266.1488	0.0240202	11.398	11.75381900	100.99500
##	9954	67.71344	24276.5827	0.0055323	11.494	11.92794200	110.47900
##	9956	67.80822	26298.0526	0.0195494	11.590	12.10206500	100.17700
##	9958	67.47809	29281.0851	0.0634308	11.710	12.20777100	97.74680
##	9960	66.79574	28307.4071	-0.0737200	11.830	12.31347700	98.22000
##	9962	66.28131	28603.6884	0.0182381	NA	NA	98.39270
##	9964	65.51393	29148.8946	0.0155802	NA	NA	98.98310
##	9966	64.52541	NA	NA	NA	NA	NA
##	9968	52.05610	NA	NA	NA	NA	NA
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##	9978	55.40893	NA	NA	NA	NA	NA
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##	9982	52.16462	NA	NA	NA	NA	NA
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##	9988	52.24304	NA	NA	NA	NA	84.21190
##	9990	52.75581	NA	NA	NA	NA	77.61440
##	9992	49.93226	NA	NA	NA	NA	77.65700
##	9994	50.43700	NA	NA	NA	NA	79.13990
##	9996	50.44352	NA	NA	NA	NA	74.14650
##	9998	50.13304	NA	NA	NA	NA	71.41500
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## 156	30.3170	DZA
## 158	30.4230	DZA
## 160	30.4298	DZA
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## 398	30.3294	ARM
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## 426	26.3752	ARM
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## 556	26.8782	AUS
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## 560	27.0234	AUS
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## 568	27.9186	AUS
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## 572	28.4052	AUS
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## 676	30.2730	AZE
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## 696	28.1950	AZE
## 698	27.8706	AZE
## 700	27.5462	AZE
## 702	27.2174	AZE
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## 710	26.3246	AZE
## 712	26.2784	AZE
## 714	26.2992	AZE
## 716	26.3200	AZE
## 718	26.2036	AZE
## 720	26.0872	AZE
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## 726	25.8500	AZE
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## 732	28.1020	BHS
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## 788	28.3134	BHS
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## 792	28.7270	BHS
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## 796	29.9320	BHR
## 798	29.9320	BHR
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## 806	29.9320	BHR
## 808	29.9320	BHR
## 810	29.9320	BHR
## 812	29.9320	BHR
## 814	29.9320	BHR
## 816	29.9320	BHR
## 818	29.9320	BHR
## 820	29.9320	BHR
## 822	29.9320	BHR
## 824	29.9714	BHR
## 826	30.0502	BHR
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## 842	30.3108	BHR
## 844	30.2294	BHR
## 846	30.1342	BHR
## 848	30.0390	BHR
## 850	29.9446	BHR
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## 854	29.8078	BHR
## 856	29.8174	BHR
## 858	29.8270	BHR
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## 862	28.2700	BGD
## 864	28.2700	BGD
## 866	28.2700	BGD



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## 872	28.2700	BGD
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## 878	28.2700	BGD
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## 888	28.2938	BGD
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## 892	28.1066	BGD
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## 908	26.6008	BGD
## 910	26.4636	BGD
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## 1038	25.0480	BLR
## 1040	25.1500	BLR
## 1042	25.3494	BLR
## 1044	25.6462	BLR
## 1046	25.9430	BLR
## 1048	26.2990	BLR
## 1050	26.6550	BLR
## 1052	26.9946	BLR
## 1054	27.3178	BLR
## 1056	27.6410	BLR
## 1058	29.0360	BEL
## 1060	28.8600	BEL
## 1062	28.6840	BEL
## 1064	28.5080	BEL
## 1066	28.3320	BEL
## 1068	28.1556	BEL
## 1070	27.9788	BEL
## 1072	27.8020	BEL
## 1074	27.6260	BEL
## 1076	27.4500	BEL
## 1078	27.2632	BEL
## 1080	27.0656	BEL
## 1082	26.8680	BEL

## 1084	26.7588	BEL
## 1086	26.6496	BEL
## 1088	26.6452	BEL
## 1090	26.7456	BEL
## 1092	26.8460	BEL
## 1094	27.1356	BEL
## 1096	27.4252	BEL
## 1098	27.6846	BEL
## 1100	27.9138	BEL
## 1102	28.1430	BEL
## 1104	28.3498	BEL
## 1106	28.5566	BEL
## 1108	28.7364	BEL
## 1110	28.8892	BEL
## 1112	29.0420	BEL
## 1114	29.2604	BEL
## 1116	29.4788	BEL
## 1118	29.7776	BEL
## 1120	30.1568	BEL
## 1122	30.5360	BEL
## 1124	27.3100	BLZ
## 1126	27.3100	BLZ
## 1128	27.3100	BLZ
## 1130	27.3100	BLZ
## 1132	27.3100	BLZ
## 1134	27.3100	BLZ
## 1136	27.3100	BLZ
## 1138	27.3100	BLZ
## 1140	27.3100	BLZ
## 1142	27.3100	BLZ
## 1144	27.3100	BLZ
## 1146	27.3100	BLZ
## 1148	27.3100	BLZ
## 1150	27.3100	BLZ
## 1152	27.3100	BLZ
## 1154	27.3100	BLZ
## 1156	27.3100	BLZ
## 1158	27.3100	BLZ
## 1160	27.3100	BLZ
## 1162	27.3100	BLZ
## 1164	27.3100	BLZ
## 1166	27.3100	BLZ
## 1168	27.3100	BLZ
## 1170	27.2920	BLZ
## 1172	27.2740	BLZ
## 1174	27.2562	BLZ
## 1176	27.2386	BLZ
## 1178	27.2210	BLZ
## 1180	27.2018	BLZ
## 1182	27.1826	BLZ
## 1184	27.1640	BLZ
## 1186	27.1460	BLZ
## 1188	27.1280	BLZ
## 1190	30.6322	BEN

## 1192	30.6326	BEN
## 1194	30.6330	BEN
## 1196	30.6334	BEN
## 1198	30.6338	BEN
## 1200	30.6422	BEN
## 1202	30.6586	BEN
## 1204	30.6750	BEN
## 1206	30.7062	BEN
## 1208	30.7374	BEN
## 1210	30.7612	BEN
## 1212	30.7776	BEN
## 1214	30.7940	BEN
## 1216	30.7576	BEN
## 1218	30.7212	BEN
## 1220	30.6558	BEN
## 1222	30.5614	BEN
## 1224	30.4670	BEN
## 1226	30.3418	BEN
## 1228	30.2166	BEN
## 1230	30.0920	BEN
## 1232	29.9680	BEN
## 1234	29.8440	BEN
## 1236	29.7364	BEN
## 1238	29.6288	BEN
## 1240	29.5264	BEN
## 1242	29.4292	BEN
## 1244	29.3320	BEN
## 1246	29.2388	BEN
## 1248	29.1456	BEN
## 1250	29.0788	BEN
## 1252	29.0384	BEN
## 1254	28.9980	BEN
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## 1258	29.2000	BTN
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## 1262	29.2000	BTN
## 1264	29.2000	BTN
## 1266	29.2000	BTN
## 1268	29.2000	BTN
## 1270	29.2000	BTN
## 1272	29.2000	BTN
## 1274	29.2000	BTN
## 1276	29.2000	BTN
## 1278	29.2000	BTN
## 1280	29.2000	BTN
## 1282	29.2000	BTN
## 1284	29.2000	BTN
## 1286	29.1812	BTN
## 1288	29.1436	BTN
## 1290	29.1060	BTN
## 1292	29.0096	BTN
## 1294	28.9132	BTN
## 1296	28.8030	BTN
## 1298	28.6790	BTN

## 1300	28.5550	BTN
## 1302	28.4350	BTN
## 1304	28.3150	BTN
## 1306	28.2172	BTN
## 1308	28.1416	BTN
## 1310	28.0660	BTN
## 1312	28.1112	BTN
## 1314	28.1564	BTN
## 1316	28.2530	BTN
## 1318	28.4010	BTN
## 1320	28.5490	BTN
## 1322	30.4214	BOL
## 1324	30.4102	BOL
## 1326	30.3990	BOL
## 1328	30.3878	BOL
## 1330	30.3766	BOL
## 1332	30.3640	BOL
## 1334	30.3500	BOL
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## 1338	30.3216	BOL
## 1340	30.3072	BOL
## 1342	30.2884	BOL
## 1344	30.2652	BOL
## 1346	30.2420	BOL
## 1348	30.1312	BOL
## 1350	30.0204	BOL
## 1352	29.8988	BOL
## 1354	29.7664	BOL
## 1356	29.6340	BOL
## 1358	29.5308	BOL
## 1360	29.4276	BOL
## 1362	29.3528	BOL
## 1364	29.3064	BOL
## 1366	29.2600	BOL
## 1368	29.1628	BOL
## 1370	29.0656	BOL
## 1372	28.9736	BOL
## 1374	28.8868	BOL
## 1376	28.8000	BOL
## 1378	28.7056	BOL
## 1380	28.6112	BOL
## 1382	28.5584	BOL
## 1384	28.5472	BOL
## 1386	28.5360	BOL
## 1388	30.5000	BIH
## 1390	30.2720	BIH
## 1392	30.0440	BIH
## 1394	29.8160	BIH
## 1396	29.5880	BIH
## 1398	29.3650	BIH
## 1400	29.1470	BIH
## 1402	28.9290	BIH
## 1404	28.5386	BIH
## 1406	28.1482	BIH

## 1408	27.8074	BIH
## 1410	27.5162	BIH
## 1412	27.2250	BIH
## 1414	27.0806	BIH
## 1416	26.9362	BIH
## 1418	26.7656	BIH
## 1420	26.5688	BIH
## 1422	26.3720	BIH
## 1424	26.3388	BIH
## 1426	26.3056	BIH
## 1428	26.3660	BIH
## 1430	26.5200	BIH
## 1432	26.6740	BIH
## 1434	26.6740	BIH
## 1436	26.6740	BIH
## 1438	26.7496	BIH
## 1440	26.9008	BIH
## 1442	27.0520	BIH
## 1444	27.3320	BIH
## 1446	27.6120	BIH
## 1448	27.9286	BIH
## 1450	28.2818	BIH
## 1452	28.6350	BIH
## 1454	29.8470	BWA
## 1456	29.8470	BWA
## 1458	29.8470	BWA
## 1460	29.8470	BWA
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## 1464	29.8470	BWA
## 1466	29.8470	BWA
## 1468	29.8470	BWA
## 1470	29.8470	BWA
## 1472	29.8470	BWA
## 1474	29.8470	BWA
## 1476	29.8470	BWA
## 1478	29.8470	BWA
## 1480	29.8470	BWA
## 1482	29.8470	BWA
## 1484	29.8470	BWA
## 1486	29.8470	BWA
## 1488	29.8470	BWA
## 1490	29.7026	BWA
## 1492	29.5582	BWA
## 1494	29.5846	BWA
## 1496	29.7818	BWA
## 1498	29.9790	BWA
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## 1504	29.8388	BWA
## 1506	29.7484	BWA
## 1508	29.6580	BWA
## 1510	29.6080	BWA
## 1512	29.5580	BWA
## 1514	29.5954	BWA

## 1516	29.7202	BWA
## 1518	29.8450	BWA
## 1520	30.1282	BRA
## 1522	30.1286	BRA
## 1524	30.1290	BRA
## 1526	30.1294	BRA
## 1528	30.1298	BRA
## 1530	30.1200	BRA
## 1532	30.1000	BRA
## 1534	30.0800	BRA
## 1536	30.0100	BRA
## 1538	29.9400	BRA
## 1540	29.8500	BRA
## 1542	29.7400	BRA
## 1544	29.6300	BRA
## 1546	29.4604	BRA
## 1548	29.2908	BRA
## 1550	29.0720	BRA
## 1552	28.8040	BRA
## 1554	28.5360	BRA
## 1556	28.2196	BRA
## 1558	27.9032	BRA
## 1560	27.6098	BRA
## 1562	27.3394	BRA
## 1564	27.0690	BRA
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## 1568	26.7466	BRA
## 1570	26.6246	BRA
## 1572	26.5418	BRA
## 1574	26.4590	BRA
## 1576	26.3934	BRA
## 1578	26.3278	BRA
## 1580	26.2822	BRA
## 1582	26.2566	BRA
## 1584	26.2310	BRA
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## 1588	28.8770	BRN
## 1590	28.8770	BRN
## 1592	28.8770	BRN
## 1594	28.8770	BRN
## 1596	28.8770	BRN
## 1598	28.8770	BRN
## 1600	28.8770	BRN
## 1602	28.8770	BRN
## 1604	28.8770	BRN
## 1606	28.9024	BRN
## 1608	28.9532	BRN
## 1610	29.0040	BRN
## 1612	29.0548	BRN
## 1614	29.1056	BRN
## 1616	29.1342	BRN
## 1618	29.1406	BRN
## 1620	29.1470	BRN
## 1622	29.1638	BRN

## 1624	29.1806	BRN
## 1626	29.1832	BRN
## 1628	29.1716	BRN
## 1630	29.1600	BRN
## 1632	29.4184	BRN
## 1634	29.6768	BRN
## 1636	29.7554	BRN
## 1638	29.6542	BRN
## 1640	29.5530	BRN
## 1642	29.5678	BRN
## 1644	29.5826	BRN
## 1646	29.6920	BRN
## 1648	29.8960	BRN
## 1650	30.1000	BRN
## 1652	27.3748	BGR
## 1654	26.9984	BGR
## 1656	26.6220	BGR
## 1658	26.2456	BGR
## 1660	25.8692	BGR
## 1662	25.5608	BGR
## 1664	25.3204	BGR
## 1666	25.0800	BGR
## 1668	24.9488	BGR
## 1670	24.8176	BGR
## 1672	24.7122	BGR
## 1674	24.6326	BGR
## 1676	24.5530	BGR
## 1678	24.4290	BGR
## 1680	24.3050	BGR
## 1682	24.1788	BGR
## 1684	24.0504	BGR
## 1686	23.9220	BGR
## 1688	23.9564	BGR
## 1690	23.9908	BGR
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## 1696	23.8970	BGR
## 1698	24.1302	BGR
## 1700	24.3634	BGR
## 1702	24.6834	BGR
## 1704	25.0902	BGR
## 1706	25.4970	BGR
## 1708	25.8890	BGR
## 1710	26.2810	BGR
## 1712	26.6180	BGR
## 1714	26.9000	BGR
## 1716	27.1820	BGR
## 1718	27.2266	BFA
## 1720	27.4138	BFA
## 1722	27.6010	BFA
## 1724	27.7882	BFA
## 1726	27.9754	BFA
## 1728	28.1624	BFA
## 1730	28.3492	BFA



## 1732	28.5360	BFA
## 1734	28.7128	BFA
## 1736	28.8896	BFA
## 1738	29.0576	BFA
## 1740	29.2168	BFA
## 1742	29.3760	BFA
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## 1746	29.6416	BFA
## 1748	29.7584	BFA
## 1750	29.8592	BFA
## 1752	29.9600	BFA
## 1754	30.0260	BFA
## 1756	30.0920	BFA
## 1758	30.1326	BFA
## 1760	30.1478	BFA
## 1762	30.1630	BFA
## 1764	30.1034	BFA
## 1766	30.0438	BFA
## 1768	29.9592	BFA
## 1770	29.8496	BFA
## 1772	29.7400	BFA
## 1774	29.6304	BFA
## 1776	29.5208	BFA
## 1778	29.4488	BFA
## 1780	29.4144	BFA
## 1782	29.3800	BFA
## 1784	31.3350	BDI
## 1786	31.3350	BDI
## 1788	31.3350	BDI
## 1790	31.3350	BDI
## 1792	31.3350	BDI
## 1794	31.3350	BDI
## 1796	31.3350	BDI
## 1798	31.3350	BDI
## 1800	31.3350	BDI
## 1802	31.3350	BDI
## 1804	31.3350	BDI
## 1806	31.3350	BDI
## 1808	31.3350	BDI
## 1810	31.3350	BDI
## 1812	31.3350	BDI
## 1814	31.3350	BDI
## 1816	31.3350	BDI
## 1818	31.3350	BDI
## 1820	31.3350	BDI
## 1822	31.3350	BDI
## 1824	31.3350	BDI
## 1826	31.3350	BDI
## 1828	31.3350	BDI
## 1830	31.3350	BDI
## 1832	31.3350	BDI
## 1834	31.3550	BDI
## 1836	31.3950	BDI
## 1838	31.4350	BDI

## 1840	31.2846	BDI
## 1842	31.1342	BDI
## 1844	30.9814	BDI
## 1846	30.8262	BDI
## 1848	30.6710	BDI
## 1850	30.4640	CPV
## 1852	30.4640	CPV
## 1854	30.4640	CPV
## 1856	30.4640	CPV
## 1858	30.4640	CPV
## 1860	30.4640	CPV
## 1862	30.4640	CPV
## 1864	30.4640	CPV
## 1866	30.4640	CPV
## 1868	30.4640	CPV
## 1870	30.4640	CPV
## 1872	30.4640	CPV
## 1874	30.4640	CPV
## 1876	30.4640	CPV
## 1878	30.4640	CPV
## 1880	30.4032	CPV
## 1882	30.2816	CPV
## 1884	30.1600	CPV
## 1886	29.9372	CPV
## 1888	29.7144	CPV
## 1890	29.5044	CPV
## 1892	29.3072	CPV
## 1894	29.1100	CPV
## 1896	28.9076	CPV
## 1898	28.7052	CPV
## 1900	28.5040	CPV
## 1902	28.3040	CPV
## 1904	28.1040	CPV
## 1906	27.9332	CPV
## 1908	27.7624	CPV
## 1910	27.6568	CPV
## 1912	27.6164	CPV
## 1914	27.5760	CPV
## 1916	30.0180	KHM
## 1918	30.0180	KHM
## 1920	30.0180	KHM
## 1922	30.0180	KHM
## 1924	30.0180	KHM
## 1926	30.0180	KHM
## 1928	30.0180	KHM
## 1930	30.0180	KHM
## 1932	30.0268	KHM
## 1934	30.0356	KHM
## 1936	30.0364	KHM
## 1938	30.0292	KHM
## 1940	30.0220	KHM
## 1942	30.0108	KHM
## 1944	29.9996	KHM
## 1946	29.9946	KHM

## 1948	29.9958	KHM
## 1950	29.9970	KHM
## 1952	29.9934	KHM
## 1954	29.9898	KHM
## 1956	29.9670	KHM
## 1958	29.9250	KHM
## 1960	29.8830	KHM
## 1962	29.8386	KHM
## 1964	29.7942	KHM
## 1966	29.6516	KHM
## 1968	29.4108	KHM
## 1970	29.1700	KHM
## 1972	28.8972	KHM
## 1974	28.6244	KHM
## 1976	28.3132	KHM
## 1978	27.9636	KHM
## 1980	27.6140	KHM
## 1982	28.6050	CMR
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## 1986	28.6050	CMR
## 1988	28.6050	CMR
## 1990	28.6050	CMR
## 1992	28.6050	CMR
## 1994	28.6050	CMR
## 1996	28.6050	CMR
## 1998	28.6050	CMR
## 2000	28.6050	CMR
## 2002	28.6050	CMR
## 2004	28.6050	CMR
## 2006	28.6050	CMR
## 2008	28.5934	CMR
## 2010	28.5818	CMR
## 2012	28.5644	CMR
## 2014	28.5412	CMR
## 2016	28.5180	CMR
## 2018	28.4944	CMR
## 2020	28.4708	CMR
## 2022	28.4472	CMR
## 2024	28.4236	CMR
## 2026	28.4000	CMR
## 2028	28.3760	CMR
## 2030	28.3520	CMR
## 2032	28.3348	CMR
## 2034	28.3244	CMR
## 2036	28.3140	CMR
## 2038	28.4120	CMR
## 2040	28.5100	CMR
## 2042	28.5904	CMR
## 2044	28.6532	CMR
## 2046	28.7160	CMR
## 2048	28.6274	CAN
## 2050	28.4942	CAN
## 2052	28.3610	CAN
## 2054	28.2278	CAN

## 2056	28.0946	CAN
## 2058	27.9910	CAN
## 2060	27.9170	CAN
## 2062	27.8430	CAN
## 2064	27.6946	CAN
## 2066	27.5462	CAN
## 2068	27.3670	CAN
## 2070	27.1570	CAN
## 2072	26.9470	CAN
## 2074	26.9098	CAN
## 2076	26.8726	CAN
## 2078	26.9212	CAN
## 2080	27.0556	CAN
## 2082	27.1900	CAN
## 2084	27.3728	CAN
## 2086	27.5556	CAN
## 2088	27.7110	CAN
## 2090	27.8390	CAN
## 2092	27.9670	CAN
## 2094	28.1838	CAN
## 2096	28.4006	CAN
## 2098	28.6682	CAN
## 2100	28.9866	CAN
## 2102	29.3050	CAN
## 2104	29.4938	CAN
## 2106	29.6826	CAN
## 2108	29.8758	CAN
## 2110	30.0734	CAN
## 2112	30.2710	CAN
## 2114	28.6662	CAF
## 2116	28.6666	CAF
## 2118	28.6670	CAF
## 2120	28.6674	CAF
## 2122	28.6678	CAF
## 2124	28.6680	CAF
## 2126	28.6680	CAF
## 2128	28.6680	CAF
## 2130	28.6680	CAF
## 2132	28.6680	CAF
## 2134	28.6680	CAF
## 2136	28.6680	CAF
## 2138	28.6680	CAF
## 2140	28.7320	CAF
## 2142	28.7960	CAF
## 2144	28.8816	CAF
## 2146	28.9888	CAF
## 2148	29.0960	CAF
## 2150	29.2024	CAF
## 2152	29.3088	CAF
## 2154	29.4154	CAF
## 2156	29.5222	CAF
## 2158	29.6290	CAF
## 2160	29.7354	CAF
## 2162	29.8418	CAF

## 2164	29.9484	CAF
## 2166	30.0552	CAF
## 2168	30.1620	CAF
## 2170	30.2692	CAF
## 2172	30.3764	CAF
## 2174	30.3004	CAF
## 2176	30.0412	CAF
## 2178	29.7820	CAF
## 2180	28.2140	TCD
## 2182	28.2140	TCD
## 2184	28.2140	TCD
## 2186	28.2140	TCD
## 2188	28.2140	TCD
## 2190	28.2140	TCD
## 2192	28.2140	TCD
## 2194	28.2140	TCD
## 2196	28.2140	TCD
## 2198	28.2140	TCD
## 2200	28.2140	TCD
## 2202	28.2140	TCD
## 2204	28.2140	TCD
## 2206	28.2140	TCD
## 2208	28.2140	TCD
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## 2212	28.2158	TCD
## 2214	28.2170	TCD
## 2216	28.2206	TCD
## 2218	28.2242	TCD
## 2220	28.2276	TCD
## 2222	28.2308	TCD
## 2224	28.2340	TCD
## 2226	28.2360	TCD
## 2228	28.2380	TCD
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## 2232	28.2318	TCD
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## 2236	28.2962	TCD
## 2238	28.3654	TCD
## 2240	28.4344	TCD
## 2242	28.5032	TCD
## 2244	28.5720	TCD
## 2246	29.7426	CHL
## 2248	29.6878	CHL
## 2250	29.6330	CHL
## 2252	29.5782	CHL
## 2254	29.5234	CHL
## 2256	29.4396	CHL
## 2258	29.3268	CHL
## 2260	29.2140	CHL
## 2262	29.0024	CHL
## 2264	28.7908	CHL
## 2266	28.5606	CHL
## 2268	28.3118	CHL
## 2270	28.0630	CHL

## 2272	27.8954	CHL
## 2274	27.7278	CHL
## 2276	27.6042	CHL
## 2278	27.5246	CHL
## 2280	27.4450	CHL
## 2282	27.4350	CHL
## 2284	27.4250	CHL
## 2286	27.4374	CHL
## 2288	27.4722	CHL
## 2290	27.5070	CHL
## 2292	27.5534	CHL
## 2294	27.5998	CHL
## 2296	27.6382	CHL
## 2298	27.6686	CHL
## 2300	27.6990	CHL
## 2302	27.6978	CHL
## 2304	27.6966	CHL
## 2306	27.6950	CHL
## 2308	27.6930	CHL
## 2310	27.6910	CHL
## 2312	29.5928	CHN
## 2314	29.6364	CHN
## 2316	29.6800	CHN
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## 2322	29.7962	CHN
## 2324	29.8106	CHN
## 2326	29.8250	CHN
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## 2336	29.4620	CHN
## 2338	29.0148	CHN
## 2340	28.5676	CHN
## 2342	27.9620	CHN
## 2344	27.1980	CHN
## 2346	26.4340	CHN
## 2348	26.3216	CHN
## 2350	26.2092	CHN
## 2352	26.1330	CHN
## 2354	26.0930	CHN
## 2356	26.0530	CHN
## 2358	26.0254	CHN
## 2360	25.9978	CHN
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## 2374	26.7958	CHN
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## 2406	29.0376	COL
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## 2414	28.1878	COL
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## 2800	25.7490	HRV
## 2802	25.7250	HRV
## 2804	25.6872	HRV
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## 2808	25.5840	HRV
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## 2818	26.8440	HRV
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## 2834	28.8288	HRV
## 2836	29.1564	HRV
## 2838	29.4840	HRV
## 2840	28.3386	CUB
## 2842	28.2158	CUB
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## 2846	27.9702	CUB
## 2848	27.8474	CUB
## 2850	27.7306	CUB
## 2852	27.6198	CUB
## 2854	27.5090	CUB
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## 2860	27.0806	CUB
## 2862	26.8258	CUB
## 2864	26.5710	CUB
## 2866	25.8814	CUB
## 2868	25.1918	CUB
## 2870	24.8556	CUB
## 2872	24.8728	CUB
## 2874	24.8900	CUB
## 2876	24.8900	CUB
## 2878	24.8900	CUB
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## 2902	26.3452	CUB
## 2904	26.3600	CUB
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## 2908	27.5300	CUW
## 2910	27.5300	CUW
## 2912	27.5300	CUW
## 2914	27.5300	CUW
## 2916	27.5300	CUW
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## 2966	28.2966	CUW
## 2968	28.3398	CUW
## 2970	28.3830	CUW
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## 2998	27.4062	CYP
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## 3106	27.7178	DNK
## 3108	27.5450	DNK
## 3110	27.3722	DNK
## 3112	27.1994	DNK
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## 3116	26.9534	DNK
## 3118	26.8470	DNK
## 3120	26.7450	DNK
## 3122	26.6430	DNK
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## 3126	26.6232	DNK
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## 3130	26.6368	DNK
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## 3146	28.5698	DNK
## 3148	28.8550	DNK
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## 3168	30.7200	DNK
## 3170	32.3760	DJI
## 3172	32.3280	DJI
## 3174	32.2800	DJI
## 3176	32.2320	DJI
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## 3180	32.1352	DJI
## 3182	32.0856	DJI
## 3184	32.0360	DJI
## 3186	31.9884	DJI
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## 3192	31.8756	DJI
## 3194	31.8480	DJI
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## 3198	31.7856	DJI
## 3200	31.7544	DJI
## 3202	31.7232	DJI
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## 3212	31.6102	DJI
## 3214	31.5930	DJI
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## 3220	31.7860	DJI
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## 3224	31.9140	DJI
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## 3228	32.0436	DJI
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## 3232	32.0814	DJI
## 3234	32.0850	DJI
## 3236	29.0630	DOM
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## 3240	29.0630	DOM
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## 3266	28.1134	DOM
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## 3270	27.6870	DOM
## 3272	27.4390	DOM
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## 3286	26.0092	DOM
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## 3292	25.7732	DOM
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## 3298	25.7588	DOM
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## 3432	27.6010	EGY
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## 3438	29.3160	SLV
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## 3448	29.3170	SLV
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## 3452	29.2986	SLV
## 3454	29.2664	SLV
## 3456	29.2112	SLV
## 3458	29.1560	SLV



## 3460	29.0592	SLV
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## 3464	28.8648	SLV
## 3466	28.7664	SLV
## 3468	28.6680	SLV
## 3470	28.5752	SLV
## 3472	28.4824	SLV
## 3474	28.3866	SLV
## 3476	28.2878	SLV
## 3478	28.1890	SLV
## 3480	28.0462	SLV
## 3482	27.9034	SLV
## 3484	27.6982	SLV
## 3486	27.4306	SLV
## 3488	27.1630	SLV
## 3490	27.0262	SLV
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## 3494	26.8246	SLV
## 3496	26.8318	SLV
## 3498	26.8390	SLV
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## 3512	28.8122	GNQ
## 3514	28.8070	GNQ
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## 3518	28.7934	GNQ
## 3520	28.7748	GNQ
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## 3524	28.7140	GNQ
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## 3528	28.6452	GNQ
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## 3532	28.6256	GNQ
## 3534	28.6240	GNQ
## 3536	28.6852	GNQ
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## 3546	28.9092	GNQ
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## 3552	29.0160	GNQ
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## 3562	28.4984	GNQ
## 3564	28.3380	GNQ
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## 3568	30.8900	ERI
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## 3572	30.8900	ERI
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## 3576	30.8900	ERI
## 3578	30.8900	ERI
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## 3584	30.8900	ERI
## 3586	30.8900	ERI
## 3588	30.8900	ERI
## 3590	30.8900	ERI
## 3592	30.8900	ERI
## 3594	30.8900	ERI
## 3596	30.8900	ERI
## 3598	30.8900	ERI
## 3600	30.8900	ERI
## 3602	30.7892	ERI
## 3604	30.6884	ERI
## 3606	30.5874	ERI
## 3608	30.4862	ERI
## 3610	30.3850	ERI
## 3612	30.2842	ERI
## 3614	30.1834	ERI
## 3616	30.1040	ERI
## 3618	30.0460	ERI
## 3620	29.9880	ERI
## 3622	29.9020	ERI
## 3624	29.8160	ERI
## 3626	29.7526	ERI
## 3628	29.7118	ERI
## 3630	29.6710	ERI
## 3632	28.4166	EST
## 3634	28.2998	EST
## 3636	28.1830	EST
## 3638	28.0662	EST
## 3640	27.9494	EST
## 3642	27.8242	EST
## 3644	27.6906	EST
## 3646	27.5570	EST
## 3648	27.3510	EST
## 3650	27.1450	EST
## 3652	26.9470	EST
## 3654	26.7570	EST
## 3656	26.5670	EST
## 3658	26.3478	EST
## 3660	26.1286	EST
## 3662	25.9892	EST
## 3664	25.9296	EST
## 3666	25.8700	EST
## 3668	25.8936	EST
## 3670	25.9172	EST
## 3672	25.8100	EST
## 3674	25.5720	EST

## 3676	25.3340	EST
## 3678	25.6988	EST
## 3680	26.0636	EST
## 3682	26.4922	EST
## 3684	26.9846	EST
## 3686	27.4770	EST
## 3688	27.9038	EST
## 3690	28.3306	EST
## 3692	28.7212	EST
## 3694	29.0756	EST
## 3696	29.4300	EST
## 3698	30.7450	ETH
## 3700	30.7450	ETH
## 3702	30.7450	ETH
## 3704	30.7450	ETH
## 3706	30.7450	ETH
## 3708	30.7450	ETH
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## 3714	30.7450	ETH
## 3716	30.7450	ETH
## 3718	30.7450	ETH
## 3720	30.7450	ETH
## 3722	30.7450	ETH
## 3724	30.7450	ETH
## 3726	30.7450	ETH
## 3728	30.7480	ETH
## 3730	30.7540	ETH
## 3732	30.7600	ETH
## 3734	30.7060	ETH
## 3736	30.6520	ETH
## 3738	30.5700	ETH
## 3740	30.4600	ETH
## 3742	30.3500	ETH
## 3744	30.2380	ETH
## 3746	30.1260	ETH
## 3748	30.0546	ETH
## 3750	30.0238	ETH
## 3752	29.9930	ETH
## 3754	29.9802	ETH
## 3756	29.9674	ETH
## 3758	29.9312	ETH
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## 3762	29.8120	ETH
## 3764	28.7546	FJI
## 3766	28.7178	FJI
## 3768	28.6810	FJI
## 3770	28.6442	FJI
## 3772	28.6074	FJI
## 3774	28.5290	FJI
## 3776	28.4090	FJI
## 3778	28.2890	FJI
## 3780	28.6766	FJI
## 3782	29.0642	FJI

## 3784	29.0844	FJI
## 3786	28.7372	FJI
## 3788	28.3900	FJI
## 3790	28.0596	FJI
## 3792	27.7292	FJI
## 3794	27.5314	FJI
## 3796	27.4662	FJI
## 3798	27.4010	FJI
## 3800	27.4798	FJI
## 3802	27.5586	FJI
## 3804	27.4434	FJI
## 3806	27.1342	FJI
## 3808	26.8250	FJI
## 3810	27.1982	FJI
## 3812	27.5714	FJI
## 3814	27.7574	FJI
## 3816	27.7562	FJI
## 3818	27.7550	FJI
## 3820	27.6858	FJI
## 3822	27.6166	FJI
## 3824	27.6616	FJI
## 3826	27.8208	FJI
## 3828	27.9800	FJI
## 3830	29.7522	FIN
## 3832	29.5106	FIN
## 3834	29.2690	FIN
## 3836	29.0274	FIN
## 3838	28.7858	FIN
## 3840	28.5774	FIN
## 3842	28.4022	FIN
## 3844	28.2270	FIN
## 3846	28.0050	FIN
## 3848	27.7830	FIN
## 3850	27.5310	FIN
## 3852	27.2490	FIN
## 3854	26.9670	FIN
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## 3858	27.2678	FIN
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## 3862	27.7504	FIN
## 3864	28.0220	FIN
## 3866	28.2628	FIN
## 3868	28.5036	FIN
## 3870	28.6900	FIN
## 3872	28.8220	FIN
## 3874	28.9540	FIN
## 3876	29.1444	FIN
## 3878	29.3348	FIN
## 3880	29.4892	FIN
## 3882	29.6076	FIN
## 3884	29.7260	FIN
## 3886	29.8436	FIN
## 3888	29.9612	FIN
## 3890	30.0948	FIN

## 3892	30.2444	FIN
## 3894	30.3940	FIN
## 3896	28.2306	FRA
## 3898	28.1358	FRA
## 3900	28.0410	FRA
## 3902	27.9462	FRA
## 3904	27.8514	FRA
## 3906	27.7348	FRA
## 3908	27.5964	FRA
## 3910	27.4580	FRA
## 3912	27.3908	FRA
## 3914	27.3236	FRA
## 3916	27.2206	FRA
## 3918	27.0818	FRA
## 3920	26.9430	FRA
## 3922	26.8166	FRA
## 3924	26.6902	FRA
## 3926	26.7246	FRA
## 3928	26.9198	FRA
## 3930	27.1150	FRA
## 3932	27.4430	FRA
## 3934	27.7710	FRA
## 3936	28.0722	FRA
## 3938	28.3466	FRA
## 3940	28.6210	FRA
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## 3944	29.1162	FRA
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## 3950	29.5200	FRA
## 3952	29.6596	FRA
## 3954	29.7992	FRA
## 3956	29.9112	FRA
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## 3960	30.0800	FRA
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## 3964	27.4810	PYF
## 3966	27.4810	PYF
## 3968	27.4810	PYF
## 3970	27.4810	PYF
## 3972	27.4810	PYF
## 3974	27.4810	PYF
## 3976	27.4810	PYF
## 3978	27.4810	PYF
## 3980	27.4810	PYF
## 3982	27.4810	PYF
## 3984	27.4810	PYF
## 3986	27.4810	PYF
## 3988	27.4810	PYF
## 3990	27.4810	PYF
## 3992	27.4810	PYF
## 3994	27.4810	PYF
## 3996	27.4810	PYF
## 3998	27.4810	PYF

## 4000	27.4810	PYF
## 4002	27.5406	PYF
## 4004	27.6598	PYF
## 4006	27.7790	PYF
## 4008	27.8330	PYF
## 4010	27.8870	PYF
## 4012	27.9270	PYF
## 4014	27.9530	PYF
## 4016	27.9790	PYF
## 4018	28.1146	PYF
## 4020	28.2502	PYF
## 4022	28.3770	PYF
## 4024	28.4950	PYF
## 4026	28.6130	PYF
## 4028	27.6690	GAB
## 4030	27.6690	GAB
## 4032	27.6690	GAB
## 4034	27.6690	GAB
## 4036	27.6690	GAB
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## 4054	27.8094	GAB
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## 4066	27.9086	GAB
## 4068	27.9252	GAB
## 4070	27.9416	GAB
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## 4074	27.9744	GAB
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## 4078	28.0484	GAB
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## 4096	27.8300	GMB
## 4098	27.8300	GMB
## 4100	27.8300	GMB
## 4102	27.8300	GMB
## 4104	27.8300	GMB
## 4106	27.8300	GMB

## 4108	27.8300	GMB
## 4110	27.8300	GMB
## 4112	27.8300	GMB
## 4114	27.8620	GMB
## 4116	27.9260	GMB
## 4118	27.9900	GMB
## 4120	28.1028	GMB
## 4122	28.2156	GMB
## 4124	28.2974	GMB
## 4126	28.3482	GMB
## 4128	28.3990	GMB
## 4130	28.4370	GMB
## 4132	28.4750	GMB
## 4134	28.5690	GMB
## 4136	28.7190	GMB
## 4138	28.8690	GMB
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## 4142	29.1434	GMB
## 4144	29.3024	GMB
## 4146	29.4832	GMB
## 4148	29.6640	GMB
## 4150	29.7712	GMB
## 4152	29.8784	GMB
## 4154	29.9796	GMB
## 4156	30.0748	GMB
## 4158	30.1700	GMB
## 4160	28.9240	GEO
## 4162	28.9240	GEO
## 4164	28.9240	GEO
## 4166	28.9240	GEO
## 4168	28.9240	GEO
## 4170	28.9240	GEO
## 4172	28.9240	GEO
## 4174	28.9240	GEO
## 4176	28.6004	GEO
## 4178	28.2768	GEO
## 4180	27.9544	GEO
## 4182	27.6332	GEO
## 4184	27.3120	GEO
## 4186	26.8928	GEO
## 4188	26.4736	GEO
## 4190	26.0850	GEO
## 4192	25.7270	GEO
## 4194	25.3690	GEO
## 4196	25.2866	GEO
## 4198	25.2042	GEO
## 4200	25.1970	GEO
## 4202	25.2650	GEO
## 4204	25.3330	GEO
## 4206	25.4170	GEO
## 4208	25.5010	GEO
## 4210	25.6196	GEO
## 4212	25.7728	GEO
## 4214	25.9260	GEO

## 4216	26.0300	GEO
## 4218	26.1340	GEO
## 4220	26.2358	GEO
## 4222	26.3354	GEO
## 4224	26.4350	GEO
## 4226	27.6770	DEU
## 4228	27.6770	DEU
## 4230	27.6770	DEU
## 4232	27.6770	DEU
## 4234	27.6770	DEU
## 4236	27.5956	DEU
## 4238	27.4328	DEU
## 4240	27.2700	DEU
## 4242	27.0952	DEU
## 4244	26.9204	DEU
## 4246	26.7390	DEU
## 4248	26.5510	DEU
## 4250	26.3630	DEU
## 4252	26.3246	DEU
## 4254	26.2862	DEU
## 4256	26.3484	DEU
## 4258	26.5112	DEU
## 4260	26.6740	DEU
## 4262	26.9700	DEU
## 4264	27.2660	DEU
## 4266	27.5220	DEU
## 4268	27.7380	DEU
## 4270	27.9540	DEU
## 4272	28.1792	DEU
## 4274	28.4044	DEU
## 4276	28.6250	DEU
## 4278	28.8410	DEU
## 4280	29.0570	DEU
## 4282	29.3970	DEU
## 4284	29.7370	DEU
## 4286	30.0574	DEU
## 4288	30.3582	DEU
## 4290	30.6590	DEU
## 4292	30.0936	GHA
## 4294	30.0928	GHA
## 4296	30.0920	GHA
## 4298	30.0912	GHA
## 4300	30.0904	GHA
## 4302	30.0896	GHA
## 4304	30.0888	GHA
## 4306	30.0880	GHA
## 4308	30.0976	GHA
## 4310	30.1072	GHA
## 4312	30.1258	GHA
## 4314	30.1534	GHA
## 4316	30.1810	GHA
## 4318	30.2098	GHA
## 4320	30.2386	GHA
## 4322	30.2504	GHA



## 4324	30.2452	GHA
## 4326	30.2400	GHA
## 4328	30.2084	GHA
## 4330	30.1768	GHA
## 4332	30.1498	GHA
## 4334	30.1274	GHA
## 4336	30.1050	GHA
## 4338	30.1258	GHA
## 4340	30.1466	GHA
## 4342	30.1512	GHA
## 4344	30.1396	GHA
## 4346	30.1280	GHA
## 4348	30.0828	GHA
## 4350	30.0376	GHA
## 4352	29.9884	GHA
## 4354	29.9352	GHA
## 4356	29.8820	GHA
## 4358	30.4064	GRC
## 4360	30.1512	GRC
## 4362	29.8960	GRC
## 4364	29.6408	GRC
## 4366	29.3856	GRC
## 4368	29.1230	GRC
## 4370	28.8530	GRC
## 4372	28.5830	GRC
## 4374	28.2682	GRC
## 4376	27.9534	GRC
## 4378	27.6810	GRC
## 4380	27.4510	GRC
## 4382	27.2210	GRC
## 4384	26.9422	GRC
## 4386	26.6634	GRC
## 4388	26.4550	GRC
## 4390	26.3170	GRC
## 4392	26.1790	GRC
## 4394	26.3266	GRC
## 4396	26.4742	GRC
## 4398	26.7524	GRC
## 4400	27.1612	GRC
## 4402	27.5700	GRC
## 4404	27.9960	GRC
## 4406	28.4220	GRC
## 4408	28.7980	GRC
## 4410	29.1240	GRC
## 4412	29.4500	GRC
## 4414	29.6716	GRC
## 4416	29.8932	GRC
## 4418	30.1510	GRC
## 4420	30.4450	GRC
## 4422	30.7390	GRC
## 4424	29.1218	GTM
## 4426	29.1054	GTM
## 4428	29.0890	GTM
## 4430	29.0726	GTM

## 4432	29.0562	GTM
## 4434	29.0382	GTM
## 4436	29.0186	GTM
## 4438	28.9990	GTM
## 4440	28.9854	GTM
## 4442	28.9718	GTM
## 4444	28.9638	GTM
## 4446	28.9614	GTM
## 4448	28.9590	GTM
## 4450	28.9570	GTM
## 4452	28.9550	GTM
## 4454	28.9438	GTM
## 4456	28.9234	GTM
## 4458	28.9030	GTM
## 4460	28.8750	GTM
## 4462	28.8470	GTM
## 4464	28.8168	GTM
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## 4476	28.5350	GTM
## 4478	28.5350	GTM
## 4480	28.5350	GTM
## 4482	28.5350	GTM
## 4484	28.5350	GTM
## 4486	28.5350	GTM
## 4488	28.5350	GTM
## 4490	27.1846	GIN
## 4492	27.3698	GIN
## 4494	27.5550	GIN
## 4496	27.7402	GIN
## 4498	27.9254	GIN
## 4500	28.1146	GIN
## 4502	28.3078	GIN
## 4504	28.5010	GIN
## 4506	28.6822	GIN
## 4508	28.8634	GIN
## 4510	29.0256	GIN
## 4512	29.1688	GIN
## 4514	29.3120	GIN
## 4516	29.3936	GIN
## 4518	29.4752	GIN
## 4520	29.5206	GIN
## 4522	29.5298	GIN
## 4524	29.5390	GIN
## 4526	29.4870	GIN
## 4528	29.4350	GIN
## 4530	29.3688	GIN
## 4532	29.2884	GIN
## 4534	29.2080	GIN
## 4536	29.1508	GIN
## 4538	29.0936	GIN

## 4540	29.0594	GIN
## 4542	29.0482	GIN
## 4544	29.0370	GIN
## 4546	29.0434	GIN
## 4548	29.0498	GIN
## 4550	29.0568	GIN
## 4552	29.0644	GIN
## 4554	29.0720	GIN
## 4556	28.9570	GNB
## 4558	28.9570	GNB
## 4560	28.9570	GNB
## 4562	28.9570	GNB
## 4564	28.9570	GNB
## 4566	28.9570	GNB
## 4568	28.9570	GNB
## 4570	28.9570	GNB
## 4572	28.9570	GNB
## 4574	28.9570	GNB
## 4576	28.9618	GNB
## 4578	28.9714	GNB
## 4580	28.9810	GNB
## 4582	29.0170	GNB
## 4584	29.0530	GNB
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## 4594	29.3994	GNB
## 4596	29.4768	GNB
## 4598	29.5484	GNB
## 4600	29.6200	GNB
## 4602	29.6440	GNB
## 4604	29.6680	GNB
## 4606	29.6574	GNB
## 4608	29.6122	GNB
## 4610	29.5670	GNB
## 4612	29.4694	GNB
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## 4616	29.3232	GNB
## 4618	29.3236	GNB
## 4620	29.3240	GNB
## 4622	27.1526	GUY
## 4624	27.2618	GUY
## 4626	27.3710	GUY
## 4628	27.4802	GUY
## 4630	27.5894	GUY
## 4632	27.6874	GUY
## 4634	27.7742	GUY
## 4636	27.8610	GUY
## 4638	27.8826	GUY
## 4640	27.9042	GUY
## 4642	27.8798	GUY
## 4644	27.8094	GUY
## 4646	27.7390	GUY

## 4648	27.6802	GUY
## 4650	27.6214	GUY
## 4652	27.5024	GUY
## 4654	27.3232	GUY
## 4656	27.1440	GUY
## 4658	27.2728	GUY
## 4660	27.4016	GUY
## 4662	27.4228	GUY
## 4664	27.3364	GUY
## 4666	27.2500	GUY
## 4668	27.1736	GUY
## 4670	27.0972	GUY
## 4672	26.9698	GUY
## 4674	26.7914	GUY
## 4676	26.6130	GUY
## 4678	26.6130	GUY
## 4680	26.6130	GUY
## 4682	26.6140	GUY
## 4684	26.6160	GUY
## 4686	26.6180	GUY
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## 4694	31.5710	HTI
## 4696	31.5710	HTI
## 4698	31.5710	HTI
## 4700	31.5710	HTI
## 4702	31.5710	HTI
## 4704	31.5714	HTI
## 4706	31.5718	HTI
## 4708	31.5256	HTI
## 4710	31.4328	HTI
## 4712	31.3400	HTI
## 4714	31.3444	HTI
## 4716	31.3488	HTI
## 4718	31.3538	HTI
## 4720	31.3594	HTI
## 4722	31.3650	HTI
## 4724	31.3022	HTI
## 4726	31.2394	HTI
## 4728	31.1694	HTI
## 4730	31.0922	HTI
## 4732	31.0150	HTI
## 4734	30.9178	HTI
## 4736	30.8206	HTI
## 4738	30.7090	HTI
## 4740	30.5830	HTI
## 4742	30.4570	HTI
## 4744	30.3854	HTI
## 4746	30.3138	HTI
## 4748	30.2576	HTI
## 4750	30.2168	HTI
## 4752	30.1760	HTI
## 4754	29.3970	HND

## 4756	29.3970	HND
## 4758	29.3970	HND
## 4760	29.3970	HND
## 4762	29.3970	HND
## 4764	29.3968	HND
## 4766	29.3964	HND
## 4768	29.3960	HND
## 4770	29.3956	HND
## 4772	29.3952	HND
## 4774	29.3948	HND
## 4776	29.3944	HND
## 4778	29.3940	HND
## 4780	29.3276	HND
## 4782	29.2612	HND
## 4784	29.1762	HND
## 4786	29.0726	HND
## 4788	28.9690	HND
## 4790	28.8350	HND
## 4792	28.7010	HND
## 4794	28.5878	HND
## 4796	28.4954	HND
## 4798	28.4030	HND
## 4800	28.3022	HND
## 4802	28.2014	HND
## 4804	28.0888	HND
## 4806	27.9644	HND
## 4808	27.8400	HND
## 4810	27.7856	HND
## 4812	27.7312	HND
## 4814	27.7040	HND
## 4816	27.7040	HND
## 4818	27.7040	HND
## 4820	29.0620	HKG
## 4822	29.0620	HKG
## 4824	29.0620	HKG
## 4826	29.0620	HKG
## 4828	29.0620	HKG
## 4830	29.0620	HKG
## 4832	29.0620	HKG
## 4834	29.0620	HKG
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## 4838	28.9740	HKG
## 4840	28.9196	HKG
## 4842	28.8548	HKG
## 4844	28.7900	HKG
## 4846	28.7252	HKG
## 4848	28.6604	HKG
## 4850	28.6558	HKG
## 4852	28.7114	HKG
## 4854	28.7670	HKG
## 4856	28.9666	HKG
## 4858	29.1662	HKG
## 4860	29.3286	HKG
## 4862	29.4538	HKG

## 4864	29.5790	HKG
## 4866	29.7102	HKG
## 4868	29.8414	HKG
## 4870	29.9762	HKG
## 4872	30.1146	HKG
## 4874	30.2530	HKG
## 4876	30.5558	HKG
## 4878	30.8586	HKG
## 4880	31.1478	HKG
## 4882	31.4234	HKG
## 4884	31.6990	HKG
## 4886	27.9946	HUN
## 4888	27.6138	HUN
## 4890	27.2330	HUN
## 4892	26.8522	HUN
## 4894	26.4714	HUN
## 4896	26.1712	HUN
## 4898	25.9516	HUN
## 4900	25.7320	HUN
## 4902	25.6532	HUN
## 4904	25.5744	HUN
## 4906	25.5018	HUN
## 4908	25.4354	HUN
## 4910	25.3690	HUN
## 4912	25.1966	HUN
## 4914	25.0242	HUN
## 4916	24.9102	HUN
## 4918	24.8546	HUN
## 4920	24.7990	HUN
## 4922	25.0250	HUN
## 4924	25.2510	HUN
## 4926	25.4764	HUN
## 4928	25.7012	HUN
## 4930	25.9260	HUN
## 4932	26.2572	HUN
## 4934	26.5884	HUN
## 4936	26.9810	HUN
## 4938	27.4350	HUN
## 4940	27.8890	HUN
## 4942	28.2922	HUN
## 4944	28.6954	HUN
## 4946	29.0058	HUN
## 4948	29.2234	HUN
## 4950	29.4410	HUN
## 4952	28.6630	ISL
## 4954	28.5210	ISL
## 4956	28.3790	ISL
## 4958	28.2370	ISL
## 4960	28.0950	ISL
## 4962	27.9944	ISL
## 4964	27.9352	ISL
## 4966	27.8760	ISL
## 4968	27.7088	ISL
## 4970	27.5416	ISL

## 4972	27.3716	ISL
## 4974	27.1988	ISL
## 4976	27.0260	ISL
## 4978	26.9976	ISL
## 4980	26.9692	ISL
## 4982	27.0028	ISL
## 4984	27.0984	ISL
## 4986	27.1940	ISL
## 4988	27.4360	ISL
## 4990	27.6780	ISL
## 4992	27.9416	ISL
## 4994	28.2268	ISL
## 4996	28.5120	ISL
## 4998	28.5980	ISL
## 5000	28.6840	ISL
## 5002	28.8296	ISL
## 5004	29.0348	ISL
## 5006	29.2400	ISL
## 5008	29.4208	ISL
## 5010	29.6016	ISL
## 5012	29.7914	ISL
## 5014	29.9902	ISL
## 5016	30.1890	ISL
## 5018	29.5540	IND
## 5020	29.5540	IND
## 5022	29.5540	IND
## 5024	29.5540	IND
## 5026	29.5540	IND
## 5028	29.5502	IND
## 5030	29.5426	IND
## 5032	29.5350	IND
## 5034	29.4282	IND
## 5036	29.3214	IND
## 5038	29.1636	IND
## 5040	28.9548	IND
## 5042	28.7460	IND
## 5044	28.5408	IND
## 5046	28.3356	IND
## 5048	28.1370	IND
## 5050	27.9450	IND
## 5052	27.7530	IND
## 5054	27.5642	IND
## 5056	27.3754	IND
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## 5066	26.9084	IND
## 5068	26.8792	IND
## 5070	26.8496	IND
## 5072	26.8200	IND
## 5074	26.7516	IND
## 5076	26.6832	IND
## 5078	26.6386	IND

## 5080	26.6178	IND
## 5082	26.5970	IND
## 5084	28.2650	IDN
## 5086	28.2650	IDN
## 5088	28.2650	IDN
## 5090	28.2650	IDN
## 5092	28.2650	IDN
## 5094	28.2230	IDN
## 5096	28.1390	IDN
## 5098	28.0550	IDN
## 5100	28.0042	IDN
## 5102	27.9534	IDN
## 5104	27.9954	IDN
## 5106	28.1302	IDN
## 5108	28.2650	IDN
## 5110	28.1622	IDN
## 5112	28.0594	IDN
## 5114	27.9964	IDN
## 5116	27.9732	IDN
## 5118	27.9500	IDN
## 5120	28.0208	IDN
## 5122	28.0916	IDN
## 5124	28.1450	IDN
## 5126	28.1810	IDN
## 5128	28.2170	IDN
## 5130	28.4890	IDN
## 5132	28.7610	IDN
## 5134	28.7478	IDN
## 5136	28.4494	IDN
## 5138	28.1510	IDN
## 5140	28.1510	IDN
## 5142	28.1510	IDN
## 5144	28.1510	IDN
## 5146	28.1510	IDN
## 5148	28.1510	IDN
## 5150	29.2950	IRN
## 5152	29.2950	IRN
## 5154	29.2950	IRN
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## 5164	29.2950	IRN
## 5166	29.2950	IRN
## 5168	29.2950	IRN
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## 5172	29.2950	IRN
## 5174	29.2950	IRN
## 5176	29.2950	IRN
## 5178	29.2950	IRN
## 5180	29.3012	IRN
## 5182	29.3136	IRN
## 5184	29.3260	IRN
## 5186	29.4176	IRN



## 5188	29.5092	IRN
## 5190	29.4942	IRN
## 5192	29.3726	IRN
## 5194	29.2510	IRN
## 5196	28.9374	IRN
## 5198	28.6238	IRN
## 5200	28.4202	IRN
## 5202	28.3266	IRN
## 5204	28.2330	IRN
## 5206	28.2938	IRN
## 5208	28.3546	IRN
## 5210	28.3894	IRN
## 5212	28.3982	IRN
## 5214	28.4070	IRN
## 5216	28.6970	IRQ
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## 5228	28.6970	IRQ
## 5230	28.6970	IRQ
## 5232	28.8626	IRQ
## 5234	29.0282	IRQ
## 5236	29.2612	IRQ
## 5238	29.5616	IRQ
## 5240	29.8620	IRQ
## 5242	30.0960	IRQ
## 5244	30.3300	IRQ
## 5246	30.5228	IRQ
## 5248	30.6744	IRQ
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## 5252	30.8920	IRQ
## 5254	30.9580	IRQ
## 5256	30.9854	IRQ
## 5258	30.9742	IRQ
## 5260	30.9630	IRQ
## 5262	30.8378	IRQ
## 5264	30.7126	IRQ
## 5266	30.4904	IRQ
## 5268	30.1712	IRQ
## 5270	29.8520	IRQ
## 5272	29.5188	IRQ
## 5274	29.1856	IRQ
## 5276	29.0190	IRQ
## 5278	29.0190	IRQ
## 5280	29.0190	IRQ
## 5282	31.4138	IRL
## 5284	31.4194	IRL
## 5286	31.4250	IRL
## 5288	31.4306	IRL
## 5290	31.4362	IRL
## 5292	31.3818	IRL
## 5294	31.2674	IRL

## 5296	31.1530	IRL
## 5298	30.9190	IRL
## 5300	30.6850	IRL
## 5302	30.4406	IRL
## 5304	30.1858	IRL
## 5306	29.9310	IRL
## 5308	29.8738	IRL
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## 5312	29.8022	IRL
## 5314	29.8306	IRL
## 5316	29.8590	IRL
## 5318	29.8786	IRL
## 5320	29.8982	IRL
## 5322	29.9434	IRL
## 5324	30.0142	IRL
## 5326	30.0850	IRL
## 5328	30.2262	IRL
## 5330	30.3674	IRL
## 5332	30.4966	IRL
## 5334	30.6138	IRL
## 5336	30.7310	IRL
## 5338	30.9594	IRL
## 5340	31.1878	IRL
## 5342	31.3432	IRL
## 5344	31.4256	IRL
## 5346	31.5080	IRL
## 5348	27.5482	ISR
## 5350	27.6166	ISR
## 5352	27.6850	ISR
## 5354	27.7534	ISR
## 5356	27.8218	ISR
## 5358	27.9018	ISR
## 5360	27.9934	ISR
## 5362	28.0850	ISR
## 5364	28.2074	ISR
## 5366	28.3298	ISR
## 5368	28.3996	ISR
## 5370	28.4168	ISR
## 5372	28.4340	ISR
## 5374	28.3624	ISR
## 5376	28.2908	ISR
## 5378	28.2568	ISR
## 5380	28.2604	ISR
## 5382	28.2640	ISR
## 5384	28.4492	ISR
## 5386	28.6344	ISR
## 5388	28.7996	ISR
## 5390	28.9448	ISR
## 5392	29.0900	ISR
## 5394	29.2332	ISR
## 5396	29.3764	ISR
## 5398	29.5112	ISR
## 5400	29.6376	ISR
## 5402	29.7640	ISR

## 5404	29.9136	ISR
## 5406	30.0632	ISR
## 5408	30.1894	ISR
## 5410	30.2922	ISR
## 5412	30.3950	ISR
## 5414	30.1296	ITA
## 5416	29.9688	ITA
## 5418	29.8080	ITA
## 5420	29.6472	ITA
## 5422	29.4864	ITA
## 5424	29.3226	ITA
## 5426	29.1558	ITA
## 5428	28.9890	ITA
## 5430	28.8154	ITA
## 5432	28.6418	ITA
## 5434	28.4378	ITA
## 5436	28.2034	ITA
## 5438	27.9690	ITA
## 5440	27.7954	ITA
## 5442	27.6218	ITA
## 5444	27.5770	ITA
## 5446	27.6610	ITA
## 5448	27.7450	ITA
## 5450	28.0462	ITA
## 5452	28.3474	ITA
## 5454	28.6588	ITA
## 5456	28.9804	ITA
## 5458	29.3020	ITA
## 5460	29.6528	ITA
## 5462	30.0036	ITA
## 5464	30.2724	ITA
## 5466	30.4592	ITA
## 5468	30.6460	ITA
## 5470	30.8020	ITA
## 5472	30.9580	ITA
## 5474	31.1018	ITA
## 5476	31.2334	ITA
## 5478	31.3650	ITA
## 5480	27.2638	JAM
## 5482	27.3194	JAM
## 5484	27.3750	JAM
## 5486	27.4306	JAM
## 5488	27.4862	JAM
## 5490	27.5448	JAM
## 5492	27.6064	JAM
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## 5498	27.9592	JAM
## 5500	27.9634	JAM
## 5502	27.8262	JAM
## 5504	27.6890	JAM
## 5506	27.5410	JAM
## 5508	27.3930	JAM
## 5510	27.2856	JAM

## 5512	27.2188	JAM
## 5514	27.1520	JAM
## 5516	27.1232	JAM
## 5518	27.0944	JAM
## 5520	27.0714	JAM
## 5522	27.0542	JAM
## 5524	27.0370	JAM
## 5526	27.0234	JAM
## 5528	27.0098	JAM
## 5530	27.0126	JAM
## 5532	27.0318	JAM
## 5534	27.0510	JAM
## 5536	27.1178	JAM
## 5538	27.1846	JAM
## 5540	27.2630	JAM
## 5542	27.3530	JAM
## 5544	27.4430	JAM
## 5546	30.1146	JPN
## 5548	29.7098	JPN
## 5550	29.3050	JPN
## 5552	28.9002	JPN
## 5554	28.4954	JPN
## 5556	28.1680	JPN
## 5558	27.9180	JPN
## 5560	27.6680	JPN
## 5562	27.6676	JPN
## 5564	27.6672	JPN
## 5566	27.6446	JPN
## 5568	27.5998	JPN
## 5570	27.5550	JPN
## 5572	27.5418	JPN
## 5574	27.5286	JPN
## 5576	27.6006	JPN
## 5578	27.7578	JPN
## 5580	27.9150	JPN
## 5582	28.1530	JPN
## 5584	28.3910	JPN
## 5586	28.6206	JPN
## 5588	28.8418	JPN
## 5590	29.0630	JPN
## 5592	29.2382	JPN
## 5594	29.4134	JPN
## 5596	29.5476	JPN
## 5598	29.6408	JPN
## 5600	29.7340	JPN
## 5602	29.9300	JPN
## 5604	30.1260	JPN
## 5606	30.3468	JPN
## 5608	30.5924	JPN
## 5610	30.8380	JPN
## 5612	29.2432	JOR
## 5614	29.3596	JOR
## 5616	29.4760	JOR
## 5618	29.5924	JOR

## 5620	29.7088	JOR
## 5622	29.8310	JOR
## 5624	29.9590	JOR
## 5626	30.0870	JOR
## 5628	30.2318	JOR
## 5630	30.3766	JOR
## 5632	30.4876	JOR
## 5634	30.5648	JOR
## 5636	30.6420	JOR
## 5638	30.6888	JOR
## 5640	30.7356	JOR
## 5642	30.7408	JOR
## 5644	30.7044	JOR
## 5646	30.6680	JOR
## 5648	30.5392	JOR
## 5650	30.4104	JOR
## 5652	30.2890	JOR
## 5654	30.1750	JOR
## 5656	30.0610	JOR
## 5658	30.0038	JOR
## 5660	29.9466	JOR
## 5662	29.9048	JOR
## 5664	29.8784	JOR
## 5666	29.8520	JOR
## 5668	29.8456	JOR
## 5670	29.8392	JOR
## 5672	29.8318	JOR
## 5674	29.8234	JOR
## 5676	29.8150	JOR
## 5678	29.7286	KAZ
## 5680	29.6738	KAZ
## 5682	29.6190	KAZ
## 5684	29.5642	KAZ
## 5686	29.5094	KAZ
## 5688	29.4496	KAZ
## 5690	29.3848	KAZ
## 5692	29.3200	KAZ
## 5694	29.2072	KAZ
## 5696	29.0944	KAZ
## 5698	28.9540	KAZ
## 5700	28.7860	KAZ
## 5702	28.6180	KAZ
## 5704	28.3668	KAZ
## 5706	28.1156	KAZ
## 5708	27.8752	KAZ
## 5710	27.6456	KAZ
## 5712	27.4160	KAZ
## 5714	27.2492	KAZ
## 5716	27.0824	KAZ
## 5718	26.8394	KAZ
## 5720	26.5202	KAZ
## 5722	26.2010	KAZ
## 5724	26.2214	KAZ
## 5726	26.2418	KAZ

## 5728	26.4530	KAZ
## 5730	26.8550	KAZ
## 5732	27.2570	KAZ
## 5734	27.5814	KAZ
## 5736	27.9058	KAZ
## 5738	28.0818	KAZ
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## 5750	29.1350	KEN
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## 5754	29.1350	KEN
## 5756	29.1350	KEN
## 5758	29.1350	KEN
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## 5762	29.1350	KEN
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## 5774	29.1350	KEN
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## 5778	29.1350	KEN
## 5780	29.1350	KEN
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## 5798	29.1680	KEN
## 5800	29.1536	KEN
## 5802	29.1392	KEN
## 5804	29.0740	KEN
## 5806	28.9580	KEN
## 5808	28.8420	KEN
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## 5812	30.2200	KIR
## 5814	30.2200	KIR
## 5816	30.2200	KIR
## 5818	30.2200	KIR
## 5820	30.2200	KIR
## 5822	30.2200	KIR
## 5824	30.2200	KIR
## 5826	30.2200	KIR
## 5828	30.2200	KIR
## 5830	30.2200	KIR
## 5832	30.2200	KIR
## 5834	30.2200	KIR

## 5836	30.2188	KIR
## 5838	30.2176	KIR
## 5840	30.2166	KIR
## 5842	30.2158	KIR
## 5844	30.2150	KIR
## 5846	30.2130	KIR
## 5848	30.2110	KIR
## 5850	30.2094	KIR
## 5852	30.2082	KIR
## 5854	30.2070	KIR
## 5856	30.2058	KIR
## 5858	30.2046	KIR
## 5860	30.2304	KIR
## 5862	30.2832	KIR
## 5864	30.3360	KIR
## 5866	30.3888	KIR
## 5868	30.4416	KIR
## 5870	30.4946	KIR
## 5872	30.5478	KIR
## 5874	30.6010	KIR
## 5876	31.6032	PRK
## 5878	31.5936	PRK
## 5880	31.5840	PRK
## 5882	31.5744	PRK
## 5884	31.5648	PRK
## 5886	31.5088	PRK
## 5888	31.4064	PRK
## 5890	31.3040	PRK
## 5892	31.0388	PRK
## 5894	30.7736	PRK
## 5896	30.5262	PRK
## 5898	30.2966	PRK
## 5900	30.0670	PRK
## 5902	29.6058	PRK
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## 5912	27.7578	PRK
## 5914	27.6026	PRK
## 5916	27.6568	PRK
## 5918	27.9204	PRK
## 5920	28.1840	PRK
## 5922	28.2572	PRK
## 5924	28.3304	PRK
## 5926	28.4034	PRK
## 5928	28.4762	PRK
## 5930	28.5490	PRK
## 5932	28.6222	PRK
## 5934	28.6954	PRK
## 5936	28.7614	PRK
## 5938	28.8202	PRK
## 5940	28.8790	PRK
## 5942	30.4850	KOR

## 5944	30.4850	KOR
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## 5948	30.4850	KOR
## 5950	30.4850	KOR
## 5952	30.4298	KOR
## 5954	30.3194	KOR
## 5956	30.2090	KOR
## 5958	30.0346	KOR
## 5960	29.8602	KOR
## 5962	29.6708	KOR
## 5964	29.4664	KOR
## 5966	29.2620	KOR
## 5968	28.7996	KOR
## 5970	28.3372	KOR
## 5972	27.8950	KOR
## 5974	27.4730	KOR
## 5976	27.0510	KOR
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## 5988	27.9290	KOR
## 5990	28.2310	KOR
## 5992	28.5744	KOR
## 5994	28.9592	KOR
## 5996	29.3440	KOR
## 5998	29.7048	KOR
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## 6004	30.9048	KOR
## 6006	31.3440	KOR
## 6008	28.0910	KWT
## 6010	28.0910	KWT
## 6012	28.0910	KWT
## 6014	28.0910	KWT
## 6016	28.0910	KWT
## 6018	28.0944	KWT
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## 6022	28.1080	KWT
## 6024	28.2556	KWT
## 6026	28.4032	KWT
## 6028	28.4750	KWT
## 6030	28.4710	KWT
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## 6038	28.6712	KWT
## 6040	28.9196	KWT
## 6042	29.1680	KWT
## 6044	29.3760	KWT
## 6046	29.5840	KWT
## 6048	29.7124	KWT
## 6050	29.7612	KWT



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## 6054	29.7016	KWT
## 6056	29.5932	KWT
## 6058	29.5794	KWT
## 6060	29.6602	KWT
## 6062	29.7410	KWT
## 6064	29.7642	KWT
## 6066	29.7874	KWT
## 6068	29.8140	KWT
## 6070	29.8440	KWT
## 6072	29.8740	KWT
## 6074	30.6822	KGZ
## 6076	30.5986	KGZ
## 6078	30.5150	KGZ
## 6080	30.4314	KGZ
## 6082	30.3478	KGZ
## 6084	30.2710	KGZ
## 6086	30.2010	KGZ
## 6088	30.1310	KGZ
## 6090	30.0358	KGZ
## 6092	29.9406	KGZ
## 6094	29.8180	KGZ
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## 6102	29.0740	KGZ
## 6104	28.8390	KGZ
## 6106	28.5910	KGZ
## 6108	28.3430	KGZ
## 6110	28.0898	KGZ
## 6112	27.8366	KGZ
## 6114	27.5578	KGZ
## 6116	27.2534	KGZ
## 6118	26.9490	KGZ
## 6120	26.9306	KGZ
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## 6124	27.0564	KGZ
## 6126	27.3632	KGZ
## 6128	27.6700	KGZ
## 6130	27.8548	KGZ
## 6132	28.0396	KGZ
## 6134	28.1120	KGZ
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## 6664	30.7356	LUX
## 6666	31.0820	LUX
## 6668	30.3220	MAC
## 6670	30.3220	MAC
## 6672	30.3220	MAC
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## 7338	29.5562	MEX
## 7340	29.5266	MEX
## 7342	29.4970	MEX
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## 7348	29.4718	MEX
## 7350	29.4214	MEX
## 7352	29.3710	MEX
## 7354	29.1270	MEX
## 7356	28.8830	MEX
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## 7364	28.1074	MEX
## 7366	27.9838	MEX
## 7368	27.8750	MEX
## 7370	27.7810	MEX
## 7372	27.6870	MEX
## 7374	27.5062	MEX
## 7376	27.3254	MEX
## 7378	27.1982	MEX
## 7380	27.1246	MEX
## 7382	27.0510	MEX
## 7384	26.9938	MEX
## 7386	26.9366	MEX
## 7388	26.9124	MEX
## 7390	26.9212	MEX
## 7392	26.9300	MEX
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## 7396	30.2200	FSM
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## 7412	30.2200	FSM
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## 7428	30.2150	FSM
## 7430	30.2130	FSM
## 7432	30.2110	FSM
## 7434	30.2094	FSM
## 7436	30.2082	FSM
## 7438	30.2070	FSM
## 7440	30.2058	FSM
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## 7482	28.0174	MDA
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## 7486	27.2710	MDA
## 7488	26.8910	MDA
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## 7498	26.3302	MDA
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## 7514	25.8670	MDA
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## 9948      26.7402      SVN
## 9950      27.2834      SVN
## 9952      27.8044      SVN
## 9954      28.3032      SVN
## 9956      28.8020      SVN
## 9958      29.1924      SVN
## 9960      29.5828      SVN
## 9962      29.8406      SVN
## 9964      29.9658      SVN
## 9966      30.0910      SVN
## 9968      31.4560      SLB
## 9970      31.4560      SLB
## 9972      31.4560      SLB
## 9974      31.4560      SLB
## 9976      31.4560      SLB
## 9978      31.4560      SLB
## 9980      31.4560      SLB
## 9982      31.4560      SLB
## 9984      31.4560      SLB
## 9986      31.4560      SLB
## 9988      31.1760      SLB
## 9990      30.6160      SLB
## 9992      30.0560      SLB
## 9994      29.9568      SLB
## 9996      29.8576      SLB
## 9998      29.7584      SLB
## [ reached 'max' / getOption("max.print") -- omitted 1172 rows ]
```

```
# 9
data$LifeExpB[c(F,F,F,T)] <- 0

# %%
```

## 6.5 Missing Information (NA)

Missing information problems happen frequently in data science. Usually, they are more straightforward: you don't know a value because the measurement was lost, corrupted, or never taken to begin with. R has a way to help you manage these missing values.

The NA character is a special symbol in R. It stands for “not available” and can be used as a placeholder for missing information. R will treat NA exactly as you should want missing information treated. For example, what result would you expect if you add 1 to a piece of missing information?

```
1 + NA
```

```
## [1] NA
```

R will return a second piece of missing information. It would not be correct to say that  $1 + \text{NA} = 1$  because there is a good chance that the missing quantity is not zero. You do not have enough information to determine the result.

What if you tested whether a piece of missing information is equal to 1?

```
NA == 3.14
```

```
## [1] NA
```

Again, your answer would be something like “I do not know if this is equal to one,” that is, NA. Generally, NAs will propagate whenever you use them in an R operation or function. This can save you from making errors based on missing data.

### 6.5.1 Inside functions: `na.rm` argument

Missing values can help you work around holes in your data sets, but they can also create some frustrating problems. Suppose, for example, that you’ve collected 1,000 observations and wish to take their average with R’s `mean` function. If even one of the values is NA, your result will be NA:

```
c(NA, 1:50)
```

```
## [1] NA 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
## [26] 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49
## [51] 50
```

```
mean(c(NA, 1:50))
```

```
## [1] NA
```

Understandably, you may prefer a different behavior. Most R functions come with the optional argument, `na.rm`, which stands for NA remove. R will ignore NAs when it evaluates a function if you add the argument `na.rm = TRUE`:

```
mean(c(NA, 1:50), na.rm = TRUE)
```

```
## [1] 25.5
```

```
mean(c(1:50)) # which returns the same value as above
```

```
## [1] 25.5
```

### 6.5.2 Test for NA: `is.na()`

On occasion, you may want to identify the NAs in your data set with a logical test, but that too creates a problem. How would you go about it? If something is a missing value, any logical test that uses it will return a missing value, even this test:

```
NA == NA
```

```
## [1] NA
```

Which means that tests like this won’t help you find missing values:

```
c(1, 2, 3, NA) == NA
```

```
## [1] NA NA NA NA
```

But don’t worry too hard; R supplies a special function that can test whether a value is an NA. The function is sensibly named `is.na()`:

```
is.na(NA)
```

```
## [1] TRUE
```

```
vec3 <- c(1, 2, 3, NA)
is.na(vec3)
```

```
## [1] FALSE FALSE FALSE TRUE
```

```
# What does this do?
school_loc$Y[school_loc$X < -100] <- NA
# View(school_loc)
```

### 6.5.3 Omit the Entire Rows: na.omit()

You can also remove all rows containing NA's in any column by using the `na.omit()` function. For example,

```
dim(school_loc)
summary(school_loc) # 7012 obs.
new_df <- na.omit(school_loc)
dim(new_df)
summary(new_df) # 5470 obs
```

## 6.6 In-class exercises 2.5:

1. What is the length of X?

```
X <- c(123,0,NA,8,NA,200)
na.omit(X)
```

```
## [1] 123    0    8 200
## attr(,"na.action")
## [1] 3 5
## attr(,"class")
## [1] "omit"
```

```
X
```

```
## [1] 123    0 NA    8 NA 200
```

2. Can you find all occurrences of NA in X? How can you find the total number of NAs in X?
3. Can you remove all occurrences of NA in X?
4. Can you replace all occurrences of NA with 88?
5. We will use the TFR dataset again. Create a new dataframe TFR2 where you drop all NA's.
6. Find the dimension of TFR2. How many observations are left?
7. Create a new dataframe TFR3 where you remove all rows with NA values in the GDPpc column.

```
TFR3 <- TFR[!is.na(TFR$GDPpc), ]
# View(TFR3)
```