

Lab 1: Introduction to RStudio and Markdown

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Due date: Wednesday, January 17 @ 11:59 pm.

Orientation

This is an R Markdown (Rmd) document. If you downloaded it straight from Canvas, it should be named lab1.Rmd. The .Rmd is the file extension for R Markdown.

Each lab, I will post a file like this onto Canvas, and you will complete it for your lab writeup. Assignments will consist of writing R codes, as well as writing answers to questions I ask.

The reason we use R Markdown is because we can incorporate code into a PDF which is nice to read. That way your labs look fancy and organized.

In order to get this to work, you will need to install a TeX distribution. TeX is a typesetting program kind of like Microsoft Word which is great for writing equations. The easiest way to install TeX is to run this code chunk by clicking the green play button in the upper right hand corner just below this text:

```
install.packages('tinytex')
tinytex::install_tinytex()
```

That's it! You should be good to go. Try clicking the dropdown arrow next to the “Knit” button near the top of your screen, and select “Knit to PDF”. It should produce a PDF document. As you complete lab assignments, you may find it helpful to periodically Knit to ensure sure your code is working correctly. You will need to close out of the PDF file each time you are re-writing it.

When you click on the *Knit* button, located on the toolbar at the top of the script editor, RStudio creates a PDF.

In R Studio, you can open a new .Rmd by navigating to *File > New File > R Markdown...*

However, I will provide templates for all of the lab exercises, so there is never any need to start a new file ‘from scratch’ while working on these labs.

Getting Started

In RStudio, you should see line numbers on the left side of your screen. The first six lines of this file are referred to as the **header**. R Markdown is very fussy about the form of the header—the three dashed lines above and below lines 2-5 must appear exactly as in this document, and there must be a blank space between the colon and the descriptive text. Also, the title, author, and date fields must be kept within double quotes. The output line specifies the output format as PDF.

1. First, rename this file to include your first initial and last name – e.g., 01_intro_to_Rmd_j_vu.Rmd. (Use *File > Save As...*)

2. In this document, edit the header to include your name and today's date. Click *Knit PDF*. This should produce a PDF file located in the same folder as the Rmd file, with a name like 01_intro_to_Rmd_j_vu.pdf. Note that the file name for a PDF created from an Rmd document will be the same, except with a different file extension. The file name and title of the document, however, can be different. Plain text is prepared in paragraphs, as in the first part of this document. *Text* enclosed in asterisks is *italicized* in the PDF output. **Text** enclosed in double asterisks appears in **bold font**. There must be no space between the asterisks and the enclosed text.
3. Write two or three sentences describing previous coursework in statistics (if any) and share your motivation for learning statistics with R. *Knit* the document. Note that each time you *knit* the document, the output overwrites the previous version.

~ Took AP Statistics during high school, learned basics of inferential statistics and descriptive statistics. **However** I forgot most of it unfortunately. ~

I like to produce bulleted lists. They are produced using the formatting syntax from TeX:

- Item 1
 - [i.] Item 1a
- Item 2
 - [i] Item 2a
 - [ii] Item 2b

4. Write a bulleted list giving your year of graduation, your field of study, and the country you are from. Under the entry for your country, prepare subitems with the name of your state and city. *Knit* the document and inspect it to make sure the PDF is correctly produced. Hint: you can always copy-and-paste stuff and alter it to suit your needs.

Put your list here!

- Year of Graduation: 2027
- Field of Study: Data Science
- Country of Origin: United States
 - [i.] Utah, South Jordan.

Additional formatting commands will be introduced gradually throughout the rest of the labs.

5. Occasionally I will find it necessary to type mathematical expressions in the PDF document. In the .Rmd file, you may see dollar signs, like this: $f(x) = e^x$. This is TeX code. If you Knit and examine the PDF, you will appreciate how aesthetically pleasing this mathematical expression appears to be. I don't expect or require you to learn TeX, but you are free to experiment with it as you like.

Using R with R Markdown

Let's write some R Code!

R programs are located in **code chunks**, which appear as grey-shaded blocks. To create a chunk, we can type three backticks (‘) followed by an “r” enclosed in braces, then the additional three backticks to close the chunk, like this:

```
print("Hello world!")
```

```
## [1] "Hello world!"
```

Notice at the top of the code chunk you see this: `{r,eval=TRUE}`. The little “r” indicates that we are coding in R, as opposed to Java, Python, C, Matlab, or something else. The “eval=TRUE” piece ensures that the code actually runs when we Knit the pdf. If you forget how to create a code chunk, you can always copy-and-paste the one above and edit the stuff inside to suit your needs.

6. Copy-and-paste the code chunk above in the space just after this question, but change “eval=FALSE”. What do you notice when you Knit? If you had to guess, what do you think “eval” is abbreviating? What happens if you get rid of the “eval=FALSE” command, so that the only stuff in the brackets is “r”?

```
print("Hello world!")
```

```
## [1] "Hello world!"
```

~It doesn't print. eval short for evaluate probably. It evaluates it~

7. It is possible to run a code chunk without having to *Knit* the entire document.
 - To run a single line, place your cursor on the line you want to run and press Ctrl/Cmd + Enter. Try this out with the lines in the following chunk. The output appears directly below the code. To clear the output, press the X in the upper right hand corner of the preview.
 - To run an entire chunk, place your cursor within the chunk and press Ctrl/Cmd + Shift + Enter. Try this out in the following chunk. The output is now accessible between the two panes.
 - The Run drop-down menu in the upper right hand corner of the script editor provides other options for running chunks, such as running all chunks above or below a certain point. The gear drop-down menu, next to the *Knit* button, provides options for expanding or collapsing all output in a document.

Try each of these methods of evaluation on this code chunk:

```
print('hey there')
2+5
exp(log(1e6))
```

Loading Data

9. Sometimes I will provide data sets with labs. Other times, we can generate our own data. The following code creates a small dataset called *sample.data* that consists of the numbers 1:9, arranged in a matrix with three rows and three columns and saves it as a file called *sample_data.Rdata*. Run the following code chunk and confirm that the dataset appears in the same folder as where this Rmd document is saved.

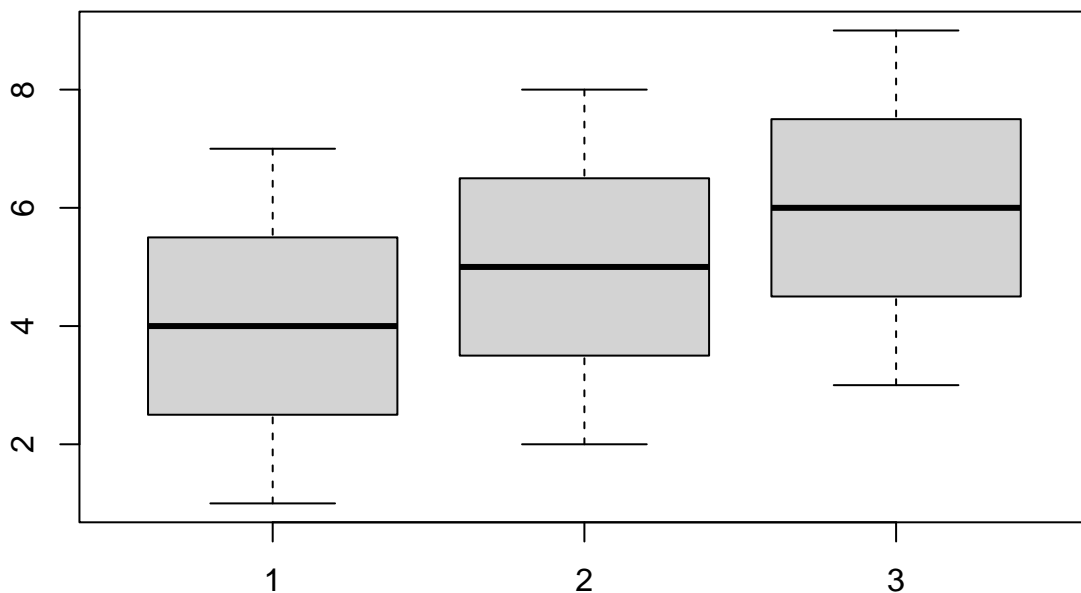
```
sample.data = matrix(1:9, nrow = 3, byrow = T) #create sample dataset
save(sample.data, file = "sample_data.Rdata") #save the file
rm(list = ls()) #clears the environment, equivalent to clicking the broom icon
```

10. To download the dataset into the R workspace, use the `load()` command. Note how the command uses the file name, “sample_data”, with the .Rdata extension. After you run this next code chunk, if you look in the Environment pane (which probably appears in the top-right of your screen) the dataset should appear as *sample.data*, the name that the matrix was given in the previous code chunk.

```
load("sample_data.Rdata")
```

11. The following code will produce a side-by-side boxplot (one for each column of `sample.data`). To run the code, change `eval=FALSE` to `eval=TRUE`. *Knit* the document. The plot should now be visible in the PDF output.

```
#produce a side-by-side boxplot  
boxplot(sample.data)
```



12. When you run a code chunk in an R Markdown file, the commands get sent to something called the Console to be executed. At the bottom of your screen, you should see a tab called “Console”. If you enlarge the window, and navigate to Console, you should be able to see all of the commands from the code chunks we have run so far. You can type code directly into the Console. Try calculating $13 * 379$ into the Console directly. What does R say that it equals?

~what is $13 * 379$? 4927~

Plotting stuff

One of the great things about R is that it produces plots pretty easily - easy, that is, once you know what you're doing.

Let's plot the function $f(x) = \sin(\exp(\cos(x)))$ for $0 \leq x \leq 10$. How do we do this?

First, let's create a vector of x values. These will be the points on the horizontal axis at which we actually evaluate our function, and then we will make R draw lines between them.

```
x <- seq(-100,0,by=0.01)
```

The seq() function creates a sequence of numbers. The code above generates numbers from 0 to 10 which are spaced apart by 0.01. If you run this next chunk, you can see what x looks like:

```
print(x)
```

```
##      [1] -100.00 -99.99 -99.98 -99.97 -99.96 -99.95 -99.94 -99.93 -99.92
##     [10] -99.91 -99.90 -99.89 -99.88 -99.87 -99.86 -99.85 -99.84 -99.83
##    [19] -99.82 -99.81 -99.80 -99.79 -99.78 -99.77 -99.76 -99.75 -99.74
##    [28] -99.73 -99.72 -99.71 -99.70 -99.69 -99.68 -99.67 -99.66 -99.65
##    [37] -99.64 -99.63 -99.62 -99.61 -99.60 -99.59 -99.58 -99.57 -99.56
##    [46] -99.55 -99.54 -99.53 -99.52 -99.51 -99.50 -99.49 -99.48 -99.47
##    [55] -99.46 -99.45 -99.44 -99.43 -99.42 -99.41 -99.40 -99.39 -99.38
##    [64] -99.37 -99.36 -99.35 -99.34 -99.33 -99.32 -99.31 -99.30 -99.29
##    [73] -99.28 -99.27 -99.26 -99.25 -99.24 -99.23 -99.22 -99.21 -99.20
##    [82] -99.19 -99.18 -99.17 -99.16 -99.15 -99.14 -99.13 -99.12 -99.11
##    [91] -99.10 -99.09 -99.08 -99.07 -99.06 -99.05 -99.04 -99.03 -99.02
##   [100] -99.01 -99.00 -98.99 -98.98 -98.97 -98.96 -98.95 -98.94 -98.93
##   [109] -98.92 -98.91 -98.90 -98.89 -98.88 -98.87 -98.86 -98.85 -98.84
##   [118] -98.83 -98.82 -98.81 -98.80 -98.79 -98.78 -98.77 -98.76 -98.75
##   [127] -98.74 -98.73 -98.72 -98.71 -98.70 -98.69 -98.68 -98.67 -98.66
##   [136] -98.65 -98.64 -98.63 -98.62 -98.61 -98.60 -98.59 -98.58 -98.57
##   [145] -98.56 -98.55 -98.54 -98.53 -98.52 -98.51 -98.50 -98.49 -98.48
##   [154] -98.47 -98.46 -98.45 -98.44 -98.43 -98.42 -98.41 -98.40 -98.39
##   [163] -98.38 -98.37 -98.36 -98.35 -98.34 -98.33 -98.32 -98.31 -98.30
##   [172] -98.29 -98.28 -98.27 -98.26 -98.25 -98.24 -98.23 -98.22 -98.21
##   [181] -98.20 -98.19 -98.18 -98.17 -98.16 -98.15 -98.14 -98.13 -98.12
##   [190] -98.11 -98.10 -98.09 -98.08 -98.07 -98.06 -98.05 -98.04 -98.03
##   [199] -98.02 -98.01 -98.00 -97.99 -97.98 -97.97 -97.96 -97.95 -97.94
##   [208] -97.93 -97.92 -97.91 -97.90 -97.89 -97.88 -97.87 -97.86 -97.85
##   [217] -97.84 -97.83 -97.82 -97.81 -97.80 -97.79 -97.78 -97.77 -97.76
##   [226] -97.75 -97.74 -97.73 -97.72 -97.71 -97.70 -97.69 -97.68 -97.67
##   [235] -97.66 -97.65 -97.64 -97.63 -97.62 -97.61 -97.60 -97.59 -97.58
##   [244] -97.57 -97.56 -97.55 -97.54 -97.53 -97.52 -97.51 -97.50 -97.49
##   [253] -97.48 -97.47 -97.46 -97.45 -97.44 -97.43 -97.42 -97.41 -97.40
##   [262] -97.39 -97.38 -97.37 -97.36 -97.35 -97.34 -97.33 -97.32 -97.31
##   [271] -97.30 -97.29 -97.28 -97.27 -97.26 -97.25 -97.24 -97.23 -97.22
##   [280] -97.21 -97.20 -97.19 -97.18 -97.17 -97.16 -97.15 -97.14 -97.13
##   [289] -97.12 -97.11 -97.10 -97.09 -97.08 -97.07 -97.06 -97.05 -97.04
##   [298] -97.03 -97.02 -97.01 -97.00 -96.99 -96.98 -96.97 -96.96 -96.95
##   [307] -96.94 -96.93 -96.92 -96.91 -96.90 -96.89 -96.88 -96.87 -96.86
##   [316] -96.85 -96.84 -96.83 -96.82 -96.81 -96.80 -96.79 -96.78 -96.77
##   [325] -96.76 -96.75 -96.74 -96.73 -96.72 -96.71 -96.70 -96.69 -96.68
```

##	[334]	-96.67	-96.66	-96.65	-96.64	-96.63	-96.62	-96.61	-96.60	-96.59
##	[343]	-96.58	-96.57	-96.56	-96.55	-96.54	-96.53	-96.52	-96.51	-96.50
##	[352]	-96.49	-96.48	-96.47	-96.46	-96.45	-96.44	-96.43	-96.42	-96.41
##	[361]	-96.40	-96.39	-96.38	-96.37	-96.36	-96.35	-96.34	-96.33	-96.32
##	[370]	-96.31	-96.30	-96.29	-96.28	-96.27	-96.26	-96.25	-96.24	-96.23
##	[379]	-96.22	-96.21	-96.20	-96.19	-96.18	-96.17	-96.16	-96.15	-96.14
##	[388]	-96.13	-96.12	-96.11	-96.10	-96.09	-96.08	-96.07	-96.06	-96.05
##	[397]	-96.04	-96.03	-96.02	-96.01	-96.00	-95.99	-95.98	-95.97	-95.96
##	[406]	-95.95	-95.94	-95.93	-95.92	-95.91	-95.90	-95.89	-95.88	-95.87
##	[415]	-95.86	-95.85	-95.84	-95.83	-95.82	-95.81	-95.80	-95.79	-95.78
##	[424]	-95.77	-95.76	-95.75	-95.74	-95.73	-95.72	-95.71	-95.70	-95.69
##	[433]	-95.68	-95.67	-95.66	-95.65	-95.64	-95.63	-95.62	-95.61	-95.60
##	[442]	-95.59	-95.58	-95.57	-95.56	-95.55	-95.54	-95.53	-95.52	-95.51
##	[451]	-95.50	-95.49	-95.48	-95.47	-95.46	-95.45	-95.44	-95.43	-95.42
##	[460]	-95.41	-95.40	-95.39	-95.38	-95.37	-95.36	-95.35	-95.34	-95.33
##	[469]	-95.32	-95.31	-95.30	-95.29	-95.28	-95.27	-95.26	-95.25	-95.24
##	[478]	-95.23	-95.22	-95.21	-95.20	-95.19	-95.18	-95.17	-95.16	-95.15
##	[487]	-95.14	-95.13	-95.12	-95.11	-95.10	-95.09	-95.08	-95.07	-95.06
##	[496]	-95.05	-95.04	-95.03	-95.02	-95.01	-95.00	-94.99	-94.98	-94.97
##	[505]	-94.96	-94.95	-94.94	-94.93	-94.92	-94.91	-94.90	-94.89	-94.88
##	[514]	-94.87	-94.86	-94.85	-94.84	-94.83	-94.82	-94.81	-94.80	-94.79
##	[523]	-94.78	-94.77	-94.76	-94.75	-94.74	-94.73	-94.72	-94.71	-94.70
##	[532]	-94.69	-94.68	-94.67	-94.66	-94.65	-94.64	-94.63	-94.62	-94.61
##	[541]	-94.60	-94.59	-94.58	-94.57	-94.56	-94.55	-94.54	-94.53	-94.52
##	[550]	-94.51	-94.50	-94.49	-94.48	-94.47	-94.46	-94.45	-94.44	-94.43
##	[559]	-94.42	-94.41	-94.40	-94.39	-94.38	-94.37	-94.36	-94.35	-94.34
##	[568]	-94.33	-94.32	-94.31	-94.30	-94.29	-94.28	-94.27	-94.26	-94.25
##	[577]	-94.24	-94.23	-94.22	-94.21	-94.20	-94.19	-94.18	-94.17	-94.16
##	[586]	-94.15	-94.14	-94.13	-94.12	-94.11	-94.10	-94.09	-94.08	-94.07
##	[595]	-94.06	-94.05	-94.04	-94.03	-94.02	-94.01	-94.00	-93.99	-93.98
##	[604]	-93.97	-93.96	-93.95	-93.94	-93.93	-93.92	-93.91	-93.90	-93.89
##	[613]	-93.88	-93.87	-93.86	-93.85	-93.84	-93.83	-93.82	-93.81	-93.80
##	[622]	-93.79	-93.78	-93.77	-93.76	-93.75	-93.74	-93.73	-93.72	-93.71
##	[631]	-93.70	-93.69	-93.68	-93.67	-93.66	-93.65	-93.64	-93.63	-93.62
##	[640]	-93.61	-93.60	-93.59	-93.58	-93.57	-93.56	-93.55	-93.54	-93.53
##	[649]	-93.52	-93.51	-93.50	-93.49	-93.48	-93.47	-93.46	-93.45	-93.44
##	[658]	-93.43	-93.42	-93.41	-93.40	-93.39	-93.38	-93.37	-93.36	-93.35
##	[667]	-93.34	-93.33	-93.32	-93.31	-93.30	-93.29	-93.28	-93.27	-93.26
##	[676]	-93.25	-93.24	-93.23	-93.22	-93.21	-93.20	-93.19	-93.18	-93.17
##	[685]	-93.16	-93.15	-93.14	-93.13	-93.12	-93.11	-93.10	-93.09	-93.08
##	[694]	-93.07	-93.06	-93.05	-93.04	-93.03	-93.02	-93.01	-93.00	-92.99
##	[703]	-92.98	-92.97	-92.96	-92.95	-92.94	-92.93	-92.92	-92.91	-92.90
##	[712]	-92.89	-92.88	-92.87	-92.86	-92.85	-92.84	-92.83	-92.82	-92.81
##	[721]	-92.80	-92.79	-92.78	-92.77	-92.76	-92.75	-92.74	-92.73	-92.72
##	[730]	-92.71	-92.70	-92.69	-92.68	-92.67	-92.66	-92.65	-92.64	-92.63
##	[739]	-92.62	-92.61	-92.60	-92.59	-92.58	-92.57	-92.56	-92.55	-92.54
##	[748]	-92.53	-92.52	-92.51	-92.50	-92.49	-92.48	-92.47	-92.46	-92.45
##	[757]	-92.44	-92.43	-92.42	-92.41	-92.40	-92.39	-92.38	-92.37	-92.36
##	[766]	-92.35	-92.34	-92.33	-92.32	-92.31	-92.30	-92.29	-92.28	-92.27
##	[775]	-92.26	-92.25	-92.24	-92.23	-92.22	-92.21	-92.20	-92.19	-92.18
##	[784]	-92.17	-92.16	-92.15	-92.14	-92.13	-92.12	-92.11	-92.10	-92.09
##	[793]	-92.08	-92.07	-92.06	-92.05	-92.04	-92.03	-92.02	-92.01	-92.00
##	[802]	-91.99	-91.98	-91.97	-91.96	-91.95	-91.94	-91.93	-91.92	-91.91
##	[811]	-91.90	-91.89	-91.88	-91.87	-91.86	-91.85	-91.84	-91.83	-91.82

##	[820]	-91.81	-91.80	-91.79	-91.78	-91.77	-91.76	-91.75	-91.74	-91.73
##	[829]	-91.72	-91.71	-91.70	-91.69	-91.68	-91.67	-91.66	-91.65	-91.64
##	[838]	-91.63	-91.62	-91.61	-91.60	-91.59	-91.58	-91.57	-91.56	-91.55
##	[847]	-91.54	-91.53	-91.52	-91.51	-91.50	-91.49	-91.48	-91.47	-91.46
##	[856]	-91.45	-91.44	-91.43	-91.42	-91.41	-91.40	-91.39	-91.38	-91.37
##	[865]	-91.36	-91.35	-91.34	-91.33	-91.32	-91.31	-91.30	-91.29	-91.28
##	[874]	-91.27	-91.26	-91.25	-91.24	-91.23	-91.22	-91.21	-91.20	-91.19
##	[883]	-91.18	-91.17	-91.16	-91.15	-91.14	-91.13	-91.12	-91.11	-91.10
##	[892]	-91.09	-91.08	-91.07	-91.06	-91.05	-91.04	-91.03	-91.02	-91.01
##	[901]	-91.00	-90.99	-90.98	-90.97	-90.96	-90.95	-90.94	-90.93	-90.92
##	[910]	-90.91	-90.90	-90.89	-90.88	-90.87	-90.86	-90.85	-90.84	-90.83
##	[919]	-90.82	-90.81	-90.80	-90.79	-90.78	-90.77	-90.76	-90.75	-90.74
##	[928]	-90.73	-90.72	-90.71	-90.70	-90.69	-90.68	-90.67	-90.66	-90.65
##	[937]	-90.64	-90.63	-90.62	-90.61	-90.60	-90.59	-90.58	-90.57	-90.56
##	[946]	-90.55	-90.54	-90.53	-90.52	-90.51	-90.50	-90.49	-90.48	-90.47
##	[955]	-90.46	-90.45	-90.44	-90.43	-90.42	-90.41	-90.40	-90.39	-90.38
##	[964]	-90.37	-90.36	-90.35	-90.34	-90.33	-90.32	-90.31	-90.30	-90.29
##	[973]	-90.28	-90.27	-90.26	-90.25	-90.24	-90.23	-90.22	-90.21	-90.20
##	[982]	-90.19	-90.18	-90.17	-90.16	-90.15	-90.14	-90.13	-90.12	-90.11
##	[991]	-90.10	-90.09	-90.08	-90.07	-90.06	-90.05	-90.04	-90.03	-90.02
##	[1000]	-90.01	-90.00	-89.99	-89.98	-89.97	-89.96	-89.95	-89.94	-89.93
##	[1009]	-89.92	-89.91	-89.90	-89.89	-89.88	-89.87	-89.86	-89.85	-89.84
##	[1018]	-89.83	-89.82	-89.81	-89.80	-89.79	-89.78	-89.77	-89.76	-89.75
##	[1027]	-89.74	-89.73	-89.72	-89.71	-89.70	-89.69	-89.68	-89.67	-89.66
##	[1036]	-89.65	-89.64	-89.63	-89.62	-89.61	-89.60	-89.59	-89.58	-89.57
##	[1045]	-89.56	-89.55	-89.54	-89.53	-89.52	-89.51	-89.50	-89.49	-89.48
##	[1054]	-89.47	-89.46	-89.45	-89.44	-89.43	-89.42	-89.41	-89.40	-89.39
##	[1063]	-89.38	-89.37	-89.36	-89.35	-89.34	-89.33	-89.32	-89.31	-89.30
##	[1072]	-89.29	-89.28	-89.27	-89.26	-89.25	-89.24	-89.23	-89.22	-89.21
##	[1081]	-89.20	-89.19	-89.18	-89.17	-89.16	-89.15	-89.14	-89.13	-89.12
##	[1090]	-89.11	-89.10	-89.09	-89.08	-89.07	-89.06	-89.05	-89.04	-89.03
##	[1099]	-89.02	-89.01	-89.00	-88.99	-88.98	-88.97	-88.96	-88.95	-88.94
##	[1108]	-88.93	-88.92	-88.91	-88.90	-88.89	-88.88	-88.87	-88.86	-88.85
##	[1117]	-88.84	-88.83	-88.82	-88.81	-88.80	-88.79	-88.78	-88.77	-88.76
##	[1126]	-88.75	-88.74	-88.73	-88.72	-88.71	-88.70	-88.69	-88.68	-88.67
##	[1135]	-88.66	-88.65	-88.64	-88.63	-88.62	-88.61	-88.60	-88.59	-88.58
##	[1144]	-88.57	-88.56	-88.55	-88.54	-88.53	-88.52	-88.51	-88.50	-88.49
##	[1153]	-88.48	-88.47	-88.46	-88.45	-88.44	-88.43	-88.42	-88.41	-88.40
##	[1162]	-88.39	-88.38	-88.37	-88.36	-88.35	-88.34	-88.33	-88.32	-88.31
##	[1171]	-88.30	-88.29	-88.28	-88.27	-88.26	-88.25	-88.24	-88.23	-88.22
##	[1180]	-88.21	-88.20	-88.19	-88.18	-88.17	-88.16	-88.15	-88.14	-88.13
##	[1189]	-88.12	-88.11	-88.10	-88.09	-88.08	-88.07	-88.06	-88.05	-88.04
##	[1198]	-88.03	-88.02	-88.01	-88.00	-87.99	-87.98	-87.97	-87.96	-87.95
##	[1207]	-87.94	-87.93	-87.92	-87.91	-87.90	-87.89	-87.88	-87.87	-87.86
##	[1216]	-87.85	-87.84	-87.83	-87.82	-87.81	-87.80	-87.79	-87.78	-87.77
##	[1225]	-87.76	-87.75	-87.74	-87.73	-87.72	-87.71	-87.70	-87.69	-87.68
##	[1234]	-87.67	-87.66	-87.65	-87.64	-87.63	-87.62	-87.61	-87.60	-87.59
##	[1243]	-87.58	-87.57	-87.56	-87.55	-87.54	-87.53	-87.52	-87.51	-87.50
##	[1252]	-87.49	-87.48	-87.47	-87.46	-87.45	-87.44	-87.43	-87.42	-87.41
##	[1261]	-87.40	-87.39	-87.38	-87.37	-87.36	-87.35	-87.34	-87.33	-87.32
##	[1270]	-87.31	-87.30	-87.29	-87.28	-87.27	-87.26	-87.25	-87.24	-87.23
##	[1279]	-87.22	-87.21	-87.20	-87.19	-87.18	-87.17	-87.16	-87.15	-87.14
##	[1288]	-87.13	-87.12	-87.11	-87.10	-87.09	-87.08	-87.07	-87.06	-87.05
##	[1297]	-87.04	-87.03	-87.02	-87.01	-87.00	-86.99	-86.98	-86.97	-86.96

##	[1306]	-86.95	-86.94	-86.93	-86.92	-86.91	-86.90	-86.89	-86.88	-86.87
##	[1315]	-86.86	-86.85	-86.84	-86.83	-86.82	-86.81	-86.80	-86.79	-86.78
##	[1324]	-86.77	-86.76	-86.75	-86.74	-86.73	-86.72	-86.71	-86.70	-86.69
##	[1333]	-86.68	-86.67	-86.66	-86.65	-86.64	-86.63	-86.62	-86.61	-86.60
##	[1342]	-86.59	-86.58	-86.57	-86.56	-86.55	-86.54	-86.53	-86.52	-86.51
##	[1351]	-86.50	-86.49	-86.48	-86.47	-86.46	-86.45	-86.44	-86.43	-86.42
##	[1360]	-86.41	-86.40	-86.39	-86.38	-86.37	-86.36	-86.35	-86.34	-86.33
##	[1369]	-86.32	-86.31	-86.30	-86.29	-86.28	-86.27	-86.26	-86.25	-86.24
##	[1378]	-86.23	-86.22	-86.21	-86.20	-86.19	-86.18	-86.17	-86.16	-86.15
##	[1387]	-86.14	-86.13	-86.12	-86.11	-86.10	-86.09	-86.08	-86.07	-86.06
##	[1396]	-86.05	-86.04	-86.03	-86.02	-86.01	-86.00	-85.99	-85.98	-85.97
##	[1405]	-85.96	-85.95	-85.94	-85.93	-85.92	-85.91	-85.90	-85.89	-85.88
##	[1414]	-85.87	-85.86	-85.85	-85.84	-85.83	-85.82	-85.81	-85.80	-85.79
##	[1423]	-85.78	-85.77	-85.76	-85.75	-85.74	-85.73	-85.72	-85.71	-85.70
##	[1432]	-85.69	-85.68	-85.67	-85.66	-85.65	-85.64	-85.63	-85.62	-85.61
##	[1441]	-85.60	-85.59	-85.58	-85.57	-85.56	-85.55	-85.54	-85.53	-85.52
##	[1450]	-85.51	-85.50	-85.49	-85.48	-85.47	-85.46	-85.45	-85.44	-85.43
##	[1459]	-85.42	-85.41	-85.40	-85.39	-85.38	-85.37	-85.36	-85.35	-85.34
##	[1468]	-85.33	-85.32	-85.31	-85.30	-85.29	-85.28	-85.27	-85.26	-85.25
##	[1477]	-85.24	-85.23	-85.22	-85.21	-85.20	-85.19	-85.18	-85.17	-85.16
##	[1486]	-85.15	-85.14	-85.13	-85.12	-85.11	-85.10	-85.09	-85.08	-85.07
##	[1495]	-85.06	-85.05	-85.04	-85.03	-85.02	-85.01	-85.00	-84.99	-84.98
##	[1504]	-84.97	-84.96	-84.95	-84.94	-84.93	-84.92	-84.91	-84.90	-84.89
##	[1513]	-84.88	-84.87	-84.86	-84.85	-84.84	-84.83	-84.82	-84.81	-84.80
##	[1522]	-84.79	-84.78	-84.77	-84.76	-84.75	-84.74	-84.73	-84.72	-84.71
##	[1531]	-84.70	-84.69	-84.68	-84.67	-84.66	-84.65	-84.64	-84.63	-84.62
##	[1540]	-84.61	-84.60	-84.59	-84.58	-84.57	-84.56	-84.55	-84.54	-84.53
##	[1549]	-84.52	-84.51	-84.50	-84.49	-84.48	-84.47	-84.46	-84.45	-84.44
##	[1558]	-84.43	-84.42	-84.41	-84.40	-84.39	-84.38	-84.37	-84.36	-84.35
##	[1567]	-84.34	-84.33	-84.32	-84.31	-84.30	-84.29	-84.28	-84.27	-84.26
##	[1576]	-84.25	-84.24	-84.23	-84.22	-84.21	-84.20	-84.19	-84.18	-84.17
##	[1585]	-84.16	-84.15	-84.14	-84.13	-84.12	-84.11	-84.10	-84.09	-84.08
##	[1594]	-84.07	-84.06	-84.05	-84.04	-84.03	-84.02	-84.01	-84.00	-83.99
##	[1603]	-83.98	-83.97	-83.96	-83.95	-83.94	-83.93	-83.92	-83.91	-83.90
##	[1612]	-83.89	-83.88	-83.87	-83.86	-83.85	-83.84	-83.83	-83.82	-83.81
##	[1621]	-83.80	-83.79	-83.78	-83.77	-83.76	-83.75	-83.74	-83.73	-83.72
##	[1630]	-83.71	-83.70	-83.69	-83.68	-83.67	-83.66	-83.65	-83.64	-83.63
##	[1639]	-83.62	-83.61	-83.60	-83.59	-83.58	-83.57	-83.56	-83.55	-83.54
##	[1648]	-83.53	-83.52	-83.51	-83.50	-83.49	-83.48	-83.47	-83.46	-83.45
##	[1657]	-83.44	-83.43	-83.42	-83.41	-83.40	-83.39	-83.38	-83.37	-83.36
##	[1666]	-83.35	-83.34	-83.33	-83.32	-83.31	-83.30	-83.29	-83.28	-83.27
##	[1675]	-83.26	-83.25	-83.24	-83.23	-83.22	-83.21	-83.20	-83.19	-83.18
##	[1684]	-83.17	-83.16	-83.15	-83.14	-83.13	-83.12	-83.11	-83.10	-83.09
##	[1693]	-83.08	-83.07	-83.06	-83.05	-83.04	-83.03	-83.02	-83.01	-83.00
##	[1702]	-82.99	-82.98	-82.97	-82.96	-82.95	-82.94	-82.93	-82.92	-82.91
##	[1711]	-82.90	-82.89	-82.88	-82.87	-82.86	-82.85	-82.84	-82.83	-82.82
##	[1720]	-82.81	-82.80	-82.79	-82.78	-82.77	-82.76	-82.75	-82.74	-82.73
##	[1729]	-82.72	-82.71	-82.70	-82.69	-82.68	-82.67	-82.66	-82.65	-82.64
##	[1738]	-82.63	-82.62	-82.61	-82.60	-82.59	-82.58	-82.57	-82.56	-82.55
##	[1747]	-82.54	-82.53	-82.52	-82.51	-82.50	-82.49	-82.48	-82.47	-82.46
##	[1756]	-82.45	-82.44	-82.43	-82.42	-82.41	-82.40	-82.39	-82.38	-82.37
##	[1765]	-82.36	-82.35	-82.34	-82.33	-82.32	-82.31	-82.30	-82.29	-82.28
##	[1774]	-82.27	-82.26	-82.25	-82.24	-82.23	-82.22	-82.21	-82.20	-82.19
##	[1783]	-82.18	-82.17	-82.16	-82.15	-82.14	-82.13	-82.12	-82.11	-82.10

##	[1792]	-82.09	-82.08	-82.07	-82.06	-82.05	-82.04	-82.03	-82.02	-82.01
##	[1801]	-82.00	-81.99	-81.98	-81.97	-81.96	-81.95	-81.94	-81.93	-81.92
##	[1810]	-81.91	-81.90	-81.89	-81.88	-81.87	-81.86	-81.85	-81.84	-81.83
##	[1819]	-81.82	-81.81	-81.80	-81.79	-81.78	-81.77	-81.76	-81.75	-81.74
##	[1828]	-81.73	-81.72	-81.71	-81.70	-81.69	-81.68	-81.67	-81.66	-81.65
##	[1837]	-81.64	-81.63	-81.62	-81.61	-81.60	-81.59	-81.58	-81.57	-81.56
##	[1846]	-81.55	-81.54	-81.53	-81.52	-81.51	-81.50	-81.49	-81.48	-81.47
##	[1855]	-81.46	-81.45	-81.44	-81.43	-81.42	-81.41	-81.40	-81.39	-81.38
##	[1864]	-81.37	-81.36	-81.35	-81.34	-81.33	-81.32	-81.31	-81.30	-81.29
##	[1873]	-81.28	-81.27	-81.26	-81.25	-81.24	-81.23	-81.22	-81.21	-81.20
##	[1882]	-81.19	-81.18	-81.17	-81.16	-81.15	-81.14	-81.13	-81.12	-81.11
##	[1891]	-81.10	-81.09	-81.08	-81.07	-81.06	-81.05	-81.04	-81.03	-81.02
##	[1900]	-81.01	-81.00	-80.99	-80.98	-80.97	-80.96	-80.95	-80.94	-80.93
##	[1909]	-80.92	-80.91	-80.90	-80.89	-80.88	-80.87	-80.86	-80.85	-80.84
##	[1918]	-80.83	-80.82	-80.81	-80.80	-80.79	-80.78	-80.77	-80.76	-80.75
##	[1927]	-80.74	-80.73	-80.72	-80.71	-80.70	-80.69	-80.68	-80.67	-80.66
##	[1936]	-80.65	-80.64	-80.63	-80.62	-80.61	-80.60	-80.59	-80.58	-80.57
##	[1945]	-80.56	-80.55	-80.54	-80.53	-80.52	-80.51	-80.50	-80.49	-80.48
##	[1954]	-80.47	-80.46	-80.45	-80.44	-80.43	-80.42	-80.41	-80.40	-80.39
##	[1963]	-80.38	-80.37	-80.36	-80.35	-80.34	-80.33	-80.32	-80.31	-80.30
##	[1972]	-80.29	-80.28	-80.27	-80.26	-80.25	-80.24	-80.23	-80.22	-80.21
##	[1981]	-80.20	-80.19	-80.18	-80.17	-80.16	-80.15	-80.14	-80.13	-80.12
##	[1990]	-80.11	-80.10	-80.09	-80.08	-80.07	-80.06	-80.05	-80.04	-80.03
##	[1999]	-80.02	-80.01	-80.00	-79.99	-79.98	-79.97	-79.96	-79.95	-79.94
##	[2008]	-79.93	-79.92	-79.91	-79.90	-79.89	-79.88	-79.87	-79.86	-79.85
##	[2017]	-79.84	-79.83	-79.82	-79.81	-79.80	-79.79	-79.78	-79.77	-79.76
##	[2026]	-79.75	-79.74	-79.73	-79.72	-79.71	-79.70	-79.69	-79.68	-79.67
##	[2035]	-79.66	-79.65	-79.64	-79.63	-79.62	-79.61	-79.60	-79.59	-79.58
##	[2044]	-79.57	-79.56	-79.55	-79.54	-79.53	-79.52	-79.51	-79.50	-79.49
##	[2053]	-79.48	-79.47	-79.46	-79.45	-79.44	-79.43	-79.42	-79.41	-79.40
##	[2062]	-79.39	-79.38	-79.37	-79.36	-79.35	-79.34	-79.33	-79.32	-79.31
##	[2071]	-79.30	-79.29	-79.28	-79.27	-79.26	-79.25	-79.24	-79.23	-79.22
##	[2080]	-79.21	-79.20	-79.19	-79.18	-79.17	-79.16	-79.15	-79.14	-79.13
##	[2089]	-79.12	-79.11	-79.10	-79.09	-79.08	-79.07	-79.06	-79.05	-79.04
##	[2098]	-79.03	-79.02	-79.01	-79.00	-78.99	-78.98	-78.97	-78.96	-78.95
##	[2107]	-78.94	-78.93	-78.92	-78.91	-78.90	-78.89	-78.88	-78.87	-78.86
##	[2116]	-78.85	-78.84	-78.83	-78.82	-78.81	-78.80	-78.79	-78.78	-78.77
##	[2125]	-78.76	-78.75	-78.74	-78.73	-78.72	-78.71	-78.70	-78.69	-78.68
##	[2134]	-78.67	-78.66	-78.65	-78.64	-78.63	-78.62	-78.61	-78.60	-78.59
##	[2143]	-78.58	-78.57	-78.56	-78.55	-78.54	-78.53	-78.52	-78.51	-78.50
##	[2152]	-78.49	-78.48	-78.47	-78.46	-78.45	-78.44	-78.43	-78.42	-78.41
##	[2161]	-78.40	-78.39	-78.38	-78.37	-78.36	-78.35	-78.34	-78.33	-78.32
##	[2170]	-78.31	-78.30	-78.29	-78.28	-78.27	-78.26	-78.25	-78.24	-78.23
##	[2179]	-78.22	-78.21	-78.20	-78.19	-78.18	-78.17	-78.16	-78.15	-78.14
##	[2188]	-78.13	-78.12	-78.11	-78.10	-78.09	-78.08	-78.07	-78.06	-78.05
##	[2197]	-78.04	-78.03	-78.02	-78.01	-78.00	-77.99	-77.98	-77.97	-77.96
##	[2206]	-77.95	-77.94	-77.93	-77.92	-77.91	-77.90	-77.89	-77.88	-77.87
##	[2215]	-77.86	-77.85	-77.84	-77.83	-77.82	-77.81	-77.80	-77.79	-77.78
##	[2224]	-77.77	-77.76	-77.75	-77.74	-77.73	-77.72	-77.71	-77.70	-77.69
##	[2233]	-77.68	-77.67	-77.66	-77.65	-77.64	-77.63	-77.62	-77.61	-77.60
##	[2242]	-77.59	-77.58	-77.57	-77.56	-77.55	-77.54	-77.53	-77.52	-77.51
##	[2251]	-77.50	-77.49	-77.48	-77.47	-77.46	-77.45	-77.44	-77.43	-77.42
##	[2260]	-77.41	-77.40	-77.39	-77.38	-77.37	-77.36	-77.35	-77.34	-77.33
##	[2269]	-77.32	-77.31	-77.30	-77.29	-77.28	-77.27	-77.26	-77.25	-77.24

##	[2278]	-77.23	-77.22	-77.21	-77.20	-77.19	-77.18	-77.17	-77.16	-77.15
##	[2287]	-77.14	-77.13	-77.12	-77.11	-77.10	-77.09	-77.08	-77.07	-77.06
##	[2296]	-77.05	-77.04	-77.03	-77.02	-77.01	-77.00	-76.99	-76.98	-76.97
##	[2305]	-76.96	-76.95	-76.94	-76.93	-76.92	-76.91	-76.90	-76.89	-76.88
##	[2314]	-76.87	-76.86	-76.85	-76.84	-76.83	-76.82	-76.81	-76.80	-76.79
##	[2323]	-76.78	-76.77	-76.76	-76.75	-76.74	-76.73	-76.72	-76.71	-76.70
##	[2332]	-76.69	-76.68	-76.67	-76.66	-76.65	-76.64	-76.63	-76.62	-76.61
##	[2341]	-76.60	-76.59	-76.58	-76.57	-76.56	-76.55	-76.54	-76.53	-76.52
##	[2350]	-76.51	-76.50	-76.49	-76.48	-76.47	-76.46	-76.45	-76.44	-76.43
##	[2359]	-76.42	-76.41	-76.40	-76.39	-76.38	-76.37	-76.36	-76.35	-76.34
##	[2368]	-76.33	-76.32	-76.31	-76.30	-76.29	-76.28	-76.27	-76.26	-76.25
##	[2377]	-76.24	-76.23	-76.22	-76.21	-76.20	-76.19	-76.18	-76.17	-76.16
##	[2386]	-76.15	-76.14	-76.13	-76.12	-76.11	-76.10	-76.09	-76.08	-76.07
##	[2395]	-76.06	-76.05	-76.04	-76.03	-76.02	-76.01	-76.00	-75.99	-75.98
##	[2404]	-75.97	-75.96	-75.95	-75.94	-75.93	-75.92	-75.91	-75.90	-75.89
##	[2413]	-75.88	-75.87	-75.86	-75.85	-75.84	-75.83	-75.82	-75.81	-75.80
##	[2422]	-75.79	-75.78	-75.77	-75.76	-75.75	-75.74	-75.73	-75.72	-75.71
##	[2431]	-75.70	-75.69	-75.68	-75.67	-75.66	-75.65	-75.64	-75.63	-75.62
##	[2440]	-75.61	-75.60	-75.59	-75.58	-75.57	-75.56	-75.55	-75.54	-75.53
##	[2449]	-75.52	-75.51	-75.50	-75.49	-75.48	-75.47	-75.46	-75.45	-75.44
##	[2458]	-75.43	-75.42	-75.41	-75.40	-75.39	-75.38	-75.37	-75.36	-75.35
##	[2467]	-75.34	-75.33	-75.32	-75.31	-75.30	-75.29	-75.28	-75.27	-75.26
##	[2476]	-75.25	-75.24	-75.23	-75.22	-75.21	-75.20	-75.19	-75.18	-75.17
##	[2485]	-75.16	-75.15	-75.14	-75.13	-75.12	-75.11	-75.10	-75.09	-75.08
##	[2494]	-75.07	-75.06	-75.05	-75.04	-75.03	-75.02	-75.01	-75.00	-74.99
##	[2503]	-74.98	-74.97	-74.96	-74.95	-74.94	-74.93	-74.92	-74.91	-74.90
##	[2512]	-74.89	-74.88	-74.87	-74.86	-74.85	-74.84	-74.83	-74.82	-74.81
##	[2521]	-74.80	-74.79	-74.78	-74.77	-74.76	-74.75	-74.74	-74.73	-74.72
##	[2530]	-74.71	-74.70	-74.69	-74.68	-74.67	-74.66	-74.65	-74.64	-74.63
##	[2539]	-74.62	-74.61	-74.60	-74.59	-74.58	-74.57	-74.56	-74.55	-74.54
##	[2548]	-74.53	-74.52	-74.51	-74.50	-74.49	-74.48	-74.47	-74.46	-74.45
##	[2557]	-74.44	-74.43	-74.42	-74.41	-74.40	-74.39	-74.38	-74.37	-74.36
##	[2566]	-74.35	-74.34	-74.33	-74.32	-74.31	-74.30	-74.29	-74.28	-74.27
##	[2575]	-74.26	-74.25	-74.24	-74.23	-74.22	-74.21	-74.20	-74.19	-74.18
##	[2584]	-74.17	-74.16	-74.15	-74.14	-74.13	-74.12	-74.11	-74.10	-74.09
##	[2593]	-74.08	-74.07	-74.06	-74.05	-74.04	-74.03	-74.02	-74.01	-74.00
##	[2602]	-73.99	-73.98	-73.97	-73.96	-73.95	-73.94	-73.93	-73.92	-73.91
##	[2611]	-73.90	-73.89	-73.88	-73.87	-73.86	-73.85	-73.84	-73.83	-73.82
##	[2620]	-73.81	-73.80	-73.79	-73.78	-73.77	-73.76	-73.75	-73.74	-73.73
##	[2629]	-73.72	-73.71	-73.70	-73.69	-73.68	-73.67	-73.66	-73.65	-73.64
##	[2638]	-73.63	-73.62	-73.61	-73.60	-73.59	-73.58	-73.57	-73.56	-73.55
##	[2647]	-73.54	-73.53	-73.52	-73.51	-73.50	-73.49	-73.48	-73.47	-73.46
##	[2656]	-73.45	-73.44	-73.43	-73.42	-73.41	-73.40	-73.39	-73.38	-73.37
##	[2665]	-73.36	-73.35	-73.34	-73.33	-73.32	-73.31	-73.30	-73.29	-73.28
##	[2674]	-73.27	-73.26	-73.25	-73.24	-73.23	-73.22	-73.21	-73.20	-73.19
##	[2683]	-73.18	-73.17	-73.16	-73.15	-73.14	-73.13	-73.12	-73.11	-73.10
##	[2692]	-73.09	-73.08	-73.07	-73.06	-73.05	-73.04	-73.03	-73.02	-73.01
##	[2701]	-73.00	-72.99	-72.98	-72.97	-72.96	-72.95	-72.94	-72.93	-72.92
##	[2710]	-72.91	-72.90	-72.89	-72.88	-72.87	-72.86	-72.85	-72.84	-72.83
##	[2719]	-72.82	-72.81	-72.80	-72.79	-72.78	-72.77	-72.76	-72.75	-72.74
##	[2728]	-72.73	-72.72	-72.71	-72.70	-72.69	-72.68	-72.67	-72.66	-72.65
##	[2737]	-72.64	-72.63	-72.62	-72.61	-72.60	-72.59	-72.58	-72.57	-72.56
##	[2746]	-72.55	-72.54	-72.53	-72.52	-72.51	-72.50	-72.49	-72.48	-72.47
##	[2755]	-72.46	-72.45	-72.44	-72.43	-72.42	-72.41	-72.40	-72.39	-72.38

##	[2764]	-72.37	-72.36	-72.35	-72.34	-72.33	-72.32	-72.31	-72.30	-72.29
##	[2773]	-72.28	-72.27	-72.26	-72.25	-72.24	-72.23	-72.22	-72.21	-72.20
##	[2782]	-72.19	-72.18	-72.17	-72.16	-72.15	-72.14	-72.13	-72.12	-72.11
##	[2791]	-72.10	-72.09	-72.08	-72.07	-72.06	-72.05	-72.04	-72.03	-72.02
##	[2800]	-72.01	-72.00	-71.99	-71.98	-71.97	-71.96	-71.95	-71.94	-71.93
##	[2809]	-71.92	-71.91	-71.90	-71.89	-71.88	-71.87	-71.86	-71.85	-71.84
##	[2818]	-71.83	-71.82	-71.81	-71.80	-71.79	-71.78	-71.77	-71.76	-71.75
##	[2827]	-71.74	-71.73	-71.72	-71.71	-71.70	-71.69	-71.68	-71.67	-71.66
##	[2836]	-71.65	-71.64	-71.63	-71.62	-71.61	-71.60	-71.59	-71.58	-71.57
##	[2845]	-71.56	-71.55	-71.54	-71.53	-71.52	-71.51	-71.50	-71.49	-71.48
##	[2854]	-71.47	-71.46	-71.45	-71.44	-71.43	-71.42	-71.41	-71.40	-71.39
##	[2863]	-71.38	-71.37	-71.36	-71.35	-71.34	-71.33	-71.32	-71.31	-71.30
##	[2872]	-71.29	-71.28	-71.27	-71.26	-71.25	-71.24	-71.23	-71.22	-71.21
##	[2881]	-71.20	-71.19	-71.18	-71.17	-71.16	-71.15	-71.14	-71.13	-71.12
##	[2890]	-71.11	-71.10	-71.09	-71.08	-71.07	-71.06	-71.05	-71.04	-71.03
##	[2899]	-71.02	-71.01	-71.00	-70.99	-70.98	-70.97	-70.96	-70.95	-70.94
##	[2908]	-70.93	-70.92	-70.91	-70.90	-70.89	-70.88	-70.87	-70.86	-70.85
##	[2917]	-70.84	-70.83	-70.82	-70.81	-70.80	-70.79	-70.78	-70.77	-70.76
##	[2926]	-70.75	-70.74	-70.73	-70.72	-70.71	-70.70	-70.69	-70.68	-70.67
##	[2935]	-70.66	-70.65	-70.64	-70.63	-70.62	-70.61	-70.60	-70.59	-70.58
##	[2944]	-70.57	-70.56	-70.55	-70.54	-70.53	-70.52	-70.51	-70.50	-70.49
##	[2953]	-70.48	-70.47	-70.46	-70.45	-70.44	-70.43	-70.42	-70.41	-70.40
##	[2962]	-70.39	-70.38	-70.37	-70.36	-70.35	-70.34	-70.33	-70.32	-70.31
##	[2971]	-70.30	-70.29	-70.28	-70.27	-70.26	-70.25	-70.24	-70.23	-70.22
##	[2980]	-70.21	-70.20	-70.19	-70.18	-70.17	-70.16	-70.15	-70.14	-70.13
##	[2989]	-70.12	-70.11	-70.10	-70.09	-70.08	-70.07	-70.06	-70.05	-70.04
##	[2998]	-70.03	-70.02	-70.01	-70.00	-69.99	-69.98	-69.97	-69.96	-69.95
##	[3007]	-69.94	-69.93	-69.92	-69.91	-69.90	-69.89	-69.88	-69.87	-69.86
##	[3016]	-69.85	-69.84	-69.83	-69.82	-69.81	-69.80	-69.79	-69.78	-69.77
##	[3025]	-69.76	-69.75	-69.74	-69.73	-69.72	-69.71	-69.70	-69.69	-69.68
##	[3034]	-69.67	-69.66	-69.65	-69.64	-69.63	-69.62	-69.61	-69.60	-69.59
##	[3043]	-69.58	-69.57	-69.56	-69.55	-69.54	-69.53	-69.52	-69.51	-69.50
##	[3052]	-69.49	-69.48	-69.47	-69.46	-69.45	-69.44	-69.43	-69.42	-69.41
##	[3061]	-69.40	-69.39	-69.38	-69.37	-69.36	-69.35	-69.34	-69.33	-69.32
##	[3070]	-69.31	-69.30	-69.29	-69.28	-69.27	-69.26	-69.25	-69.24	-69.23
##	[3079]	-69.22	-69.21	-69.20	-69.19	-69.18	-69.17	-69.16	-69.15	-69.14
##	[3088]	-69.13	-69.12	-69.11	-69.10	-69.09	-69.08	-69.07	-69.06	-69.05
##	[3097]	-69.04	-69.03	-69.02	-69.01	-69.00	-68.99	-68.98	-68.97	-68.96
##	[3106]	-68.95	-68.94	-68.93	-68.92	-68.91	-68.90	-68.89	-68.88	-68.87
##	[3115]	-68.86	-68.85	-68.84	-68.83	-68.82	-68.81	-68.80	-68.79	-68.78
##	[3124]	-68.77	-68.76	-68.75	-68.74	-68.73	-68.72	-68.71	-68.70	-68.69
##	[3133]	-68.68	-68.67	-68.66	-68.65	-68.64	-68.63	-68.62	-68.61	-68.60
##	[3142]	-68.59	-68.58	-68.57	-68.56	-68.55	-68.54	-68.53	-68.52	-68.51
##	[3151]	-68.50	-68.49	-68.48	-68.47	-68.46	-68.45	-68.44	-68.43	-68.42
##	[3160]	-68.41	-68.40	-68.39	-68.38	-68.37	-68.36	-68.35	-68.34	-68.33
##	[3169]	-68.32	-68.31	-68.30	-68.29	-68.28	-68.27	-68.26	-68.25	-68.24
##	[3178]	-68.23	-68.22	-68.21	-68.20	-68.19	-68.18	-68.17	-68.16	-68.15
##	[3187]	-68.14	-68.13	-68.12	-68.11	-68.10	-68.09	-68.08	-68.07	-68.06
##	[3196]	-68.05	-68.04	-68.03	-68.02	-68.01	-68.00	-67.99	-67.98	-67.97
##	[3205]	-67.96	-67.95	-67.94	-67.93	-67.92	-67.91	-67.90	-67.89	-67.88
##	[3214]	-67.87	-67.86	-67.85	-67.84	-67.83	-67.82	-67.81	-67.80	-67.79
##	[3223]	-67.78	-67.77	-67.76	-67.75	-67.74	-67.73	-67.72	-67.71	-67.70
##	[3232]	-67.69	-67.68	-67.67	-67.66	-67.65	-67.64	-67.63	-67.62	-67.61
##	[3241]	-67.60	-67.59	-67.58	-67.57	-67.56	-67.55	-67.54	-67.53	-67.52

##	[3250]	-67.51	-67.50	-67.49	-67.48	-67.47	-67.46	-67.45	-67.44	-67.43
##	[3259]	-67.42	-67.41	-67.40	-67.39	-67.38	-67.37	-67.36	-67.35	-67.34
##	[3268]	-67.33	-67.32	-67.31	-67.30	-67.29	-67.28	-67.27	-67.26	-67.25
##	[3277]	-67.24	-67.23	-67.22	-67.21	-67.20	-67.19	-67.18	-67.17	-67.16
##	[3286]	-67.15	-67.14	-67.13	-67.12	-67.11	-67.10	-67.09	-67.08	-67.07
##	[3295]	-67.06	-67.05	-67.04	-67.03	-67.02	-67.01	-67.00	-66.99	-66.98
##	[3304]	-66.97	-66.96	-66.95	-66.94	-66.93	-66.92	-66.91	-66.90	-66.89
##	[3313]	-66.88	-66.87	-66.86	-66.85	-66.84	-66.83	-66.82	-66.81	-66.80
##	[3322]	-66.79	-66.78	-66.77	-66.76	-66.75	-66.74	-66.73	-66.72	-66.71
##	[3331]	-66.70	-66.69	-66.68	-66.67	-66.66	-66.65	-66.64	-66.63	-66.62
##	[3340]	-66.61	-66.60	-66.59	-66.58	-66.57	-66.56	-66.55	-66.54	-66.53
##	[3349]	-66.52	-66.51	-66.50	-66.49	-66.48	-66.47	-66.46	-66.45	-66.44
##	[3358]	-66.43	-66.42	-66.41	-66.40	-66.39	-66.38	-66.37	-66.36	-66.35
##	[3367]	-66.34	-66.33	-66.32	-66.31	-66.30	-66.29	-66.28	-66.27	-66.26
##	[3376]	-66.25	-66.24	-66.23	-66.22	-66.21	-66.20	-66.19	-66.18	-66.17
##	[3385]	-66.16	-66.15	-66.14	-66.13	-66.12	-66.11	-66.10	-66.09	-66.08
##	[3394]	-66.07	-66.06	-66.05	-66.04	-66.03	-66.02	-66.01	-66.00	-65.99
##	[3403]	-65.98	-65.97	-65.96	-65.95	-65.94	-65.93	-65.92	-65.91	-65.90
##	[3412]	-65.89	-65.88	-65.87	-65.86	-65.85	-65.84	-65.83	-65.82	-65.81
##	[3421]	-65.80	-65.79	-65.78	-65.77	-65.76	-65.75	-65.74	-65.73	-65.72
##	[3430]	-65.71	-65.70	-65.69	-65.68	-65.67	-65.66	-65.65	-65.64	-65.63
##	[3439]	-65.62	-65.61	-65.60	-65.59	-65.58	-65.57	-65.56	-65.55	-65.54
##	[3448]	-65.53	-65.52	-65.51	-65.50	-65.49	-65.48	-65.47	-65.46	-65.45
##	[3457]	-65.44	-65.43	-65.42	-65.41	-65.40	-65.39	-65.38	-65.37	-65.36
##	[3466]	-65.35	-65.34	-65.33	-65.32	-65.31	-65.30	-65.29	-65.28	-65.27
##	[3475]	-65.26	-65.25	-65.24	-65.23	-65.22	-65.21	-65.20	-65.19	-65.18
##	[3484]	-65.17	-65.16	-65.15	-65.14	-65.13	-65.12	-65.11	-65.10	-65.09
##	[3493]	-65.08	-65.07	-65.06	-65.05	-65.04	-65.03	-65.02	-65.01	-65.00
##	[3502]	-64.99	-64.98	-64.97	-64.96	-64.95	-64.94	-64.93	-64.92	-64.91
##	[3511]	-64.90	-64.89	-64.88	-64.87	-64.86	-64.85	-64.84	-64.83	-64.82
##	[3520]	-64.81	-64.80	-64.79	-64.78	-64.77	-64.76	-64.75	-64.74	-64.73
##	[3529]	-64.72	-64.71	-64.70	-64.69	-64.68	-64.67	-64.66	-64.65	-64.64
##	[3538]	-64.63	-64.62	-64.61	-64.60	-64.59	-64.58	-64.57	-64.56	-64.55
##	[3547]	-64.54	-64.53	-64.52	-64.51	-64.50	-64.49	-64.48	-64.47	-64.46
##	[3556]	-64.45	-64.44	-64.43	-64.42	-64.41	-64.40	-64.39	-64.38	-64.37
##	[3565]	-64.36	-64.35	-64.34	-64.33	-64.32	-64.31	-64.30	-64.29	-64.28
##	[3574]	-64.27	-64.26	-64.25	-64.24	-64.23	-64.22	-64.21	-64.20	-64.19
##	[3583]	-64.18	-64.17	-64.16	-64.15	-64.14	-64.13	-64.12	-64.11	-64.10
##	[3592]	-64.09	-64.08	-64.07	-64.06	-64.05	-64.04	-64.03	-64.02	-64.01
##	[3601]	-64.00	-63.99	-63.98	-63.97	-63.96	-63.95	-63.94	-63.93	-63.92
##	[3610]	-63.91	-63.90	-63.89	-63.88	-63.87	-63.86	-63.85	-63.84	-63.83
##	[3619]	-63.82	-63.81	-63.80	-63.79	-63.78	-63.77	-63.76	-63.75	-63.74
##	[3628]	-63.73	-63.72	-63.71	-63.70	-63.69	-63.68	-63.67	-63.66	-63.65
##	[3637]	-63.64	-63.63	-63.62	-63.61	-63.60	-63.59	-63.58	-63.57	-63.56
##	[3646]	-63.55	-63.54	-63.53	-63.52	-63.51	-63.50	-63.49	-63.48	-63.47
##	[3655]	-63.46	-63.45	-63.44	-63.43	-63.42	-63.41	-63.40	-63.39	-63.38
##	[3664]	-63.37	-63.36	-63.35	-63.34	-63.33	-63.32	-63.31	-63.30	-63.29
##	[3673]	-63.28	-63.27	-63.26	-63.25	-63.24	-63.23	-63.22	-63.21	-63.20
##	[3682]	-63.19	-63.18	-63.17	-63.16	-63.15	-63.14	-63.13	-63.12	-63.11
##	[3691]	-63.10	-63.09	-63.08	-63.07	-63.06	-63.05	-63.04	-63.03	-63.02
##	[3700]	-63.01	-63.00	-62.99	-62.98	-62.97	-62.96	-62.95	-62.94	-62.93
##	[3709]	-62.92	-62.91	-62.90	-62.89	-62.88	-62.87	-62.86	-62.85	-62.84
##	[3718]	-62.83	-62.82	-62.81	-62.80	-62.79	-62.78	-62.77	-62.76	-62.75
##	[3727]	-62.74	-62.73	-62.72	-62.71	-62.70	-62.69	-62.68	-62.67	-62.66

##	[3736]	-62.65	-62.64	-62.63	-62.62	-62.61	-62.60	-62.59	-62.58	-62.57
##	[3745]	-62.56	-62.55	-62.54	-62.53	-62.52	-62.51	-62.50	-62.49	-62.48
##	[3754]	-62.47	-62.46	-62.45	-62.44	-62.43	-62.42	-62.41	-62.40	-62.39
##	[3763]	-62.38	-62.37	-62.36	-62.35	-62.34	-62.33	-62.32	-62.31	-62.30
##	[3772]	-62.29	-62.28	-62.27	-62.26	-62.25	-62.24	-62.23	-62.22	-62.21
##	[3781]	-62.20	-62.19	-62.18	-62.17	-62.16	-62.15	-62.14	-62.13	-62.12
##	[3790]	-62.11	-62.10	-62.09	-62.08	-62.07	-62.06	-62.05	-62.04	-62.03
##	[3799]	-62.02	-62.01	-62.00	-61.99	-61.98	-61.97	-61.96	-61.95	-61.94
##	[3808]	-61.93	-61.92	-61.91	-61.90	-61.89	-61.88	-61.87	-61.86	-61.85
##	[3817]	-61.84	-61.83	-61.82	-61.81	-61.80	-61.79	-61.78	-61.77	-61.76
##	[3826]	-61.75	-61.74	-61.73	-61.72	-61.71	-61.70	-61.69	-61.68	-61.67
##	[3835]	-61.66	-61.65	-61.64	-61.63	-61.62	-61.61	-61.60	-61.59	-61.58
##	[3844]	-61.57	-61.56	-61.55	-61.54	-61.53	-61.52	-61.51	-61.50	-61.49
##	[3853]	-61.48	-61.47	-61.46	-61.45	-61.44	-61.43	-61.42	-61.41	-61.40
##	[3862]	-61.39	-61.38	-61.37	-61.36	-61.35	-61.34	-61.33	-61.32	-61.31
##	[3871]	-61.30	-61.29	-61.28	-61.27	-61.26	-61.25	-61.24	-61.23	-61.22
##	[3880]	-61.21	-61.20	-61.19	-61.18	-61.17	-61.16	-61.15	-61.14	-61.13
##	[3889]	-61.12	-61.11	-61.10	-61.09	-61.08	-61.07	-61.06	-61.05	-61.04
##	[3898]	-61.03	-61.02	-61.01	-61.00	-60.99	-60.98	-60.97	-60.96	-60.95
##	[3907]	-60.94	-60.93	-60.92	-60.91	-60.90	-60.89	-60.88	-60.87	-60.86
##	[3916]	-60.85	-60.84	-60.83	-60.82	-60.81	-60.80	-60.79	-60.78	-60.77
##	[3925]	-60.76	-60.75	-60.74	-60.73	-60.72	-60.71	-60.70	-60.69	-60.68
##	[3934]	-60.67	-60.66	-60.65	-60.64	-60.63	-60.62	-60.61	-60.60	-60.59
##	[3943]	-60.58	-60.57	-60.56	-60.55	-60.54	-60.53	-60.52	-60.51	-60.50
##	[3952]	-60.49	-60.48	-60.47	-60.46	-60.45	-60.44	-60.43	-60.42	-60.41
##	[3961]	-60.40	-60.39	-60.38	-60.37	-60.36	-60.35	-60.34	-60.33	-60.32
##	[3970]	-60.31	-60.30	-60.29	-60.28	-60.27	-60.26	-60.25	-60.24	-60.23
##	[3979]	-60.22	-60.21	-60.20	-60.19	-60.18	-60.17	-60.16	-60.15	-60.14
##	[3988]	-60.13	-60.12	-60.11	-60.10	-60.09	-60.08	-60.07	-60.06	-60.05
##	[3997]	-60.04	-60.03	-60.02	-60.01	-60.00	-59.99	-59.98	-59.97	-59.96
##	[4006]	-59.95	-59.94	-59.93	-59.92	-59.91	-59.90	-59.89	-59.88	-59.87
##	[4015]	-59.86	-59.85	-59.84	-59.83	-59.82	-59.81	-59.80	-59.79	-59.78
##	[4024]	-59.77	-59.76	-59.75	-59.74	-59.73	-59.72	-59.71	-59.70	-59.69
##	[4033]	-59.68	-59.67	-59.66	-59.65	-59.64	-59.63	-59.62	-59.61	-59.60
##	[4042]	-59.59	-59.58	-59.57	-59.56	-59.55	-59.54	-59.53	-59.52	-59.51
##	[4051]	-59.50	-59.49	-59.48	-59.47	-59.46	-59.45	-59.44	-59.43	-59.42
##	[4060]	-59.41	-59.40	-59.39	-59.38	-59.37	-59.36	-59.35	-59.34	-59.33
##	[4069]	-59.32	-59.31	-59.30	-59.29	-59.28	-59.27	-59.26	-59.25	-59.24
##	[4078]	-59.23	-59.22	-59.21	-59.20	-59.19	-59.18	-59.17	-59.16	-59.15
##	[4087]	-59.14	-59.13	-59.12	-59.11	-59.10	-59.09	-59.08	-59.07	-59.06
##	[4096]	-59.05	-59.04	-59.03	-59.02	-59.01	-59.00	-58.99	-58.98	-58.97
##	[4105]	-58.96	-58.95	-58.94	-58.93	-58.92	-58.91	-58.90	-58.89	-58.88
##	[4114]	-58.87	-58.86	-58.85	-58.84	-58.83	-58.82	-58.81	-58.80	-58.79
##	[4123]	-58.78	-58.77	-58.76	-58.75	-58.74	-58.73	-58.72	-58.71	-58.70
##	[4132]	-58.69	-58.68	-58.67	-58.66	-58.65	-58.64	-58.63	-58.62	-58.61
##	[4141]	-58.60	-58.59	-58.58	-58.57	-58.56	-58.55	-58.54	-58.53	-58.52
##	[4150]	-58.51	-58.50	-58.49	-58.48	-58.47	-58.46	-58.45	-58.44	-58.43
##	[4159]	-58.42	-58.41	-58.40	-58.39	-58.38	-58.37	-58.36	-58.35	-58.34
##	[4168]	-58.33	-58.32	-58.31	-58.30	-58.29	-58.28	-58.27	-58.26	-58.25
##	[4177]	-58.24	-58.23	-58.22	-58.21	-58.20	-58.19	-58.18	-58.17	-58.16
##	[4186]	-58.15	-58.14	-58.13	-58.12	-58.11	-58.10	-58.09	-58.08	-58.07
##	[4195]	-58.06	-58.05	-58.04	-58.03	-58.02	-58.01	-58.00	-57.99	-57.98
##	[4204]	-57.97	-57.96	-57.95	-57.94	-57.93	-57.92	-57.91	-57.90	-57.89
##	[4213]	-57.88	-57.87	-57.86	-57.85	-57.84	-57.83	-57.82	-57.81	-57.80

##	[4222]	-57.79	-57.78	-57.77	-57.76	-57.75	-57.74	-57.73	-57.72	-57.71
##	[4231]	-57.70	-57.69	-57.68	-57.67	-57.66	-57.65	-57.64	-57.63	-57.62
##	[4240]	-57.61	-57.60	-57.59	-57.58	-57.57	-57.56	-57.55	-57.54	-57.53
##	[4249]	-57.52	-57.51	-57.50	-57.49	-57.48	-57.47	-57.46	-57.45	-57.44
##	[4258]	-57.43	-57.42	-57.41	-57.40	-57.39	-57.38	-57.37	-57.36	-57.35
##	[4267]	-57.34	-57.33	-57.32	-57.31	-57.30	-57.29	-57.28	-57.27	-57.26
##	[4276]	-57.25	-57.24	-57.23	-57.22	-57.21	-57.20	-57.19	-57.18	-57.17
##	[4285]	-57.16	-57.15	-57.14	-57.13	-57.12	-57.11	-57.10	-57.09	-57.08
##	[4294]	-57.07	-57.06	-57.05	-57.04	-57.03	-57.02	-57.01	-57.00	-56.99
##	[4303]	-56.98	-56.97	-56.96	-56.95	-56.94	-56.93	-56.92	-56.91	-56.90
##	[4312]	-56.89	-56.88	-56.87	-56.86	-56.85	-56.84	-56.83	-56.82	-56.81
##	[4321]	-56.80	-56.79	-56.78	-56.77	-56.76	-56.75	-56.74	-56.73	-56.72
##	[4330]	-56.71	-56.70	-56.69	-56.68	-56.67	-56.66	-56.65	-56.64	-56.63
##	[4339]	-56.62	-56.61	-56.60	-56.59	-56.58	-56.57	-56.56	-56.55	-56.54
##	[4348]	-56.53	-56.52	-56.51	-56.50	-56.49	-56.48	-56.47	-56.46	-56.45
##	[4357]	-56.44	-56.43	-56.42	-56.41	-56.40	-56.39	-56.38	-56.37	-56.36
##	[4366]	-56.35	-56.34	-56.33	-56.32	-56.31	-56.30	-56.29	-56.28	-56.27
##	[4375]	-56.26	-56.25	-56.24	-56.23	-56.22	-56.21	-56.20	-56.19	-56.18
##	[4384]	-56.17	-56.16	-56.15	-56.14	-56.13	-56.12	-56.11	-56.10	-56.09
##	[4393]	-56.08	-56.07	-56.06	-56.05	-56.04	-56.03	-56.02	-56.01	-56.00
##	[4402]	-55.99	-55.98	-55.97	-55.96	-55.95	-55.94	-55.93	-55.92	-55.91
##	[4411]	-55.90	-55.89	-55.88	-55.87	-55.86	-55.85	-55.84	-55.83	-55.82
##	[4420]	-55.81	-55.80	-55.79	-55.78	-55.77	-55.76	-55.75	-55.74	-55.73
##	[4429]	-55.72	-55.71	-55.70	-55.69	-55.68	-55.67	-55.66	-55.65	-55.64
##	[4438]	-55.63	-55.62	-55.61	-55.60	-55.59	-55.58	-55.57	-55.56	-55.55
##	[4447]	-55.54	-55.53	-55.52	-55.51	-55.50	-55.49	-55.48	-55.47	-55.46
##	[4456]	-55.45	-55.44	-55.43	-55.42	-55.41	-55.40	-55.39	-55.38	-55.37
##	[4465]	-55.36	-55.35	-55.34	-55.33	-55.32	-55.31	-55.30	-55.29	-55.28
##	[4474]	-55.27	-55.26	-55.25	-55.24	-55.23	-55.22	-55.21	-55.20	-55.19
##	[4483]	-55.18	-55.17	-55.16	-55.15	-55.14	-55.13	-55.12	-55.11	-55.10
##	[4492]	-55.09	-55.08	-55.07	-55.06	-55.05	-55.04	-55.03	-55.02	-55.01
##	[4501]	-55.00	-54.99	-54.98	-54.97	-54.96	-54.95	-54.94	-54.93	-54.92
##	[4510]	-54.91	-54.90	-54.89	-54.88	-54.87	-54.86	-54.85	-54.84	-54.83
##	[4519]	-54.82	-54.81	-54.80	-54.79	-54.78	-54.77	-54.76	-54.75	-54.74
##	[4528]	-54.73	-54.72	-54.71	-54.70	-54.69	-54.68	-54.67	-54.66	-54.65
##	[4537]	-54.64	-54.63	-54.62	-54.61	-54.60	-54.59	-54.58	-54.57	-54.56
##	[4546]	-54.55	-54.54	-54.53	-54.52	-54.51	-54.50	-54.49	-54.48	-54.47
##	[4555]	-54.46	-54.45	-54.44	-54.43	-54.42	-54.41	-54.40	-54.39	-54.38
##	[4564]	-54.37	-54.36	-54.35	-54.34	-54.33	-54.32	-54.31	-54.30	-54.29
##	[4573]	-54.28	-54.27	-54.26	-54.25	-54.24	-54.23	-54.22	-54.21	-54.20
##	[4582]	-54.19	-54.18	-54.17	-54.16	-54.15	-54.14	-54.13	-54.12	-54.11
##	[4591]	-54.10	-54.09	-54.08	-54.07	-54.06	-54.05	-54.04	-54.03	-54.02
##	[4600]	-54.01	-54.00	-53.99	-53.98	-53.97	-53.96	-53.95	-53.94	-53.93
##	[4609]	-53.92	-53.91	-53.90	-53.89	-53.88	-53.87	-53.86	-53.85	-53.84
##	[4618]	-53.83	-53.82	-53.81	-53.80	-53.79	-53.78	-53.77	-53.76	-53.75
##	[4627]	-53.74	-53.73	-53.72	-53.71	-53.70	-53.69	-53.68	-53.67	-53.66
##	[4636]	-53.65	-53.64	-53.63	-53.62	-53.61	-53.60	-53.59	-53.58	-53.57
##	[4645]	-53.56	-53.55	-53.54	-53.53	-53.52	-53.51	-53.50	-53.49	-53.48
##	[4654]	-53.47	-53.46	-53.45	-53.44	-53.43	-53.42	-53.41	-53.40	-53.39
##	[4663]	-53.38	-53.37	-53.36	-53.35	-53.34	-53.33	-53.32	-53.31	-53.30
##	[4672]	-53.29	-53.28	-53.27	-53.26	-53.25	-53.24	-53.23	-53.22	-53.21
##	[4681]	-53.20	-53.19	-53.18	-53.17	-53.16	-53.15	-53.14	-53.13	-53.12
##	[4690]	-53.11	-53.10	-53.09	-53.08	-53.07	-53.06	-53.05	-53.04	-53.03
##	[4699]	-53.02	-53.01	-53.00	-52.99	-52.98	-52.97	-52.96	-52.95	-52.94

##	[4708]	-52.93	-52.92	-52.91	-52.90	-52.89	-52.88	-52.87	-52.86	-52.85
##	[4717]	-52.84	-52.83	-52.82	-52.81	-52.80	-52.79	-52.78	-52.77	-52.76
##	[4726]	-52.75	-52.74	-52.73	-52.72	-52.71	-52.70	-52.69	-52.68	-52.67
##	[4735]	-52.66	-52.65	-52.64	-52.63	-52.62	-52.61	-52.60	-52.59	-52.58
##	[4744]	-52.57	-52.56	-52.55	-52.54	-52.53	-52.52	-52.51	-52.50	-52.49
##	[4753]	-52.48	-52.47	-52.46	-52.45	-52.44	-52.43	-52.42	-52.41	-52.40
##	[4762]	-52.39	-52.38	-52.37	-52.36	-52.35	-52.34	-52.33	-52.32	-52.31
##	[4771]	-52.30	-52.29	-52.28	-52.27	-52.26	-52.25	-52.24	-52.23	-52.22
##	[4780]	-52.21	-52.20	-52.19	-52.18	-52.17	-52.16	-52.15	-52.14	-52.13
##	[4789]	-52.12	-52.11	-52.10	-52.09	-52.08	-52.07	-52.06	-52.05	-52.04
##	[4798]	-52.03	-52.02	-52.01	-52.00	-51.99	-51.98	-51.97	-51.96	-51.95
##	[4807]	-51.94	-51.93	-51.92	-51.91	-51.90	-51.89	-51.88	-51.87	-51.86
##	[4816]	-51.85	-51.84	-51.83	-51.82	-51.81	-51.80	-51.79	-51.78	-51.77
##	[4825]	-51.76	-51.75	-51.74	-51.73	-51.72	-51.71	-51.70	-51.69	-51.68
##	[4834]	-51.67	-51.66	-51.65	-51.64	-51.63	-51.62	-51.61	-51.60	-51.59
##	[4843]	-51.58	-51.57	-51.56	-51.55	-51.54	-51.53	-51.52	-51.51	-51.50
##	[4852]	-51.49	-51.48	-51.47	-51.46	-51.45	-51.44	-51.43	-51.42	-51.41
##	[4861]	-51.40	-51.39	-51.38	-51.37	-51.36	-51.35	-51.34	-51.33	-51.32
##	[4870]	-51.31	-51.30	-51.29	-51.28	-51.27	-51.26	-51.25	-51.24	-51.23
##	[4879]	-51.22	-51.21	-51.20	-51.19	-51.18	-51.17	-51.16	-51.15	-51.14
##	[4888]	-51.13	-51.12	-51.11	-51.10	-51.09	-51.08	-51.07	-51.06	-51.05
##	[4897]	-51.04	-51.03	-51.02	-51.01	-51.00	-50.99	-50.98	-50.97	-50.96
##	[4906]	-50.95	-50.94	-50.93	-50.92	-50.91	-50.90	-50.89	-50.88	-50.87
##	[4915]	-50.86	-50.85	-50.84	-50.83	-50.82	-50.81	-50.80	-50.79	-50.78
##	[4924]	-50.77	-50.76	-50.75	-50.74	-50.73	-50.72	-50.71	-50.70	-50.69
##	[4933]	-50.68	-50.67	-50.66	-50.65	-50.64	-50.63	-50.62	-50.61	-50.60
##	[4942]	-50.59	-50.58	-50.57	-50.56	-50.55	-50.54	-50.53	-50.52	-50.51
##	[4951]	-50.50	-50.49	-50.48	-50.47	-50.46	-50.45	-50.44	-50.43	-50.42
##	[4960]	-50.41	-50.40	-50.39	-50.38	-50.37	-50.36	-50.35	-50.34	-50.33
##	[4969]	-50.32	-50.31	-50.30	-50.29	-50.28	-50.27	-50.26	-50.25	-50.24
##	[4978]	-50.23	-50.22	-50.21	-50.20	-50.19	-50.18	-50.17	-50.16	-50.15
##	[4987]	-50.14	-50.13	-50.12	-50.11	-50.10	-50.09	-50.08	-50.07	-50.06
##	[4996]	-50.05	-50.04	-50.03	-50.02	-50.01	-50.00	-49.99	-49.98	-49.97
##	[5005]	-49.96	-49.95	-49.94	-49.93	-49.92	-49.91	-49.90	-49.89	-49.88
##	[5014]	-49.87	-49.86	-49.85	-49.84	-49.83	-49.82	-49.81	-49.80	-49.79
##	[5023]	-49.78	-49.77	-49.76	-49.75	-49.74	-49.73	-49.72	-49.71	-49.70
##	[5032]	-49.69	-49.68	-49.67	-49.66	-49.65	-49.64	-49.63	-49.62	-49.61
##	[5041]	-49.60	-49.59	-49.58	-49.57	-49.56	-49.55	-49.54	-49.53	-49.52
##	[5050]	-49.51	-49.50	-49.49	-49.48	-49.47	-49.46	-49.45	-49.44	-49.43
##	[5059]	-49.42	-49.41	-49.40	-49.39	-49.38	-49.37	-49.36	-49.35	-49.34
##	[5068]	-49.33	-49.32	-49.31	-49.30	-49.29	-49.28	-49.27	-49.26	-49.25
##	[5077]	-49.24	-49.23	-49.22	-49.21	-49.20	-49.19	-49.18	-49.17	-49.16
##	[5086]	-49.15	-49.14	-49.13	-49.12	-49.11	-49.10	-49.09	-49.08	-49.07
##	[5095]	-49.06	-49.05	-49.04	-49.03	-49.02	-49.01	-49.00	-48.99	-48.98
##	[5104]	-48.97	-48.96	-48.95	-48.94	-48.93	-48.92	-48.91	-48.90	-48.89
##	[5113]	-48.88	-48.87	-48.86	-48.85	-48.84	-48.83	-48.82	-48.81	-48.80
##	[5122]	-48.79	-48.78	-48.77	-48.76	-48.75	-48.74	-48.73	-48.72	-48.71
##	[5131]	-48.70	-48.69	-48.68	-48.67	-48.66	-48.65	-48.64	-48.63	-48.62
##	[5140]	-48.61	-48.60	-48.59	-48.58	-48.57	-48.56	-48.55	-48.54	-48.53
##	[5149]	-48.52	-48.51	-48.50	-48.49	-48.48	-48.47	-48.46	-48.45	-48.44
##	[5158]	-48.43	-48.42	-48.41	-48.40	-48.39	-48.38	-48.37	-48.36	-48.35
##	[5167]	-48.34	-48.33	-48.32	-48.31	-48.30	-48.29	-48.28	-48.27	-48.26
##	[5176]	-48.25	-48.24	-48.23	-48.22	-48.21	-48.20	-48.19	-48.18	-48.17
##	[5185]	-48.16	-48.15	-48.14	-48.13	-48.12	-48.11	-48.10	-48.09	-48.08

##	[5194]	-48.07	-48.06	-48.05	-48.04	-48.03	-48.02	-48.01	-48.00	-47.99
##	[5203]	-47.98	-47.97	-47.96	-47.95	-47.94	-47.93	-47.92	-47.91	-47.90
##	[5212]	-47.89	-47.88	-47.87	-47.86	-47.85	-47.84	-47.83	-47.82	-47.81
##	[5221]	-47.80	-47.79	-47.78	-47.77	-47.76	-47.75	-47.74	-47.73	-47.72
##	[5230]	-47.71	-47.70	-47.69	-47.68	-47.67	-47.66	-47.65	-47.64	-47.63
##	[5239]	-47.62	-47.61	-47.60	-47.59	-47.58	-47.57	-47.56	-47.55	-47.54
##	[5248]	-47.53	-47.52	-47.51	-47.50	-47.49	-47.48	-47.47	-47.46	-47.45
##	[5257]	-47.44	-47.43	-47.42	-47.41	-47.40	-47.39	-47.38	-47.37	-47.36
##	[5266]	-47.35	-47.34	-47.33	-47.32	-47.31	-47.30	-47.29	-47.28	-47.27
##	[5275]	-47.26	-47.25	-47.24	-47.23	-47.22	-47.21	-47.20	-47.19	-47.18
##	[5284]	-47.17	-47.16	-47.15	-47.14	-47.13	-47.12	-47.11	-47.10	-47.09
##	[5293]	-47.08	-47.07	-47.06	-47.05	-47.04	-47.03	-47.02	-47.01	-47.00
##	[5302]	-46.99	-46.98	-46.97	-46.96	-46.95	-46.94	-46.93	-46.92	-46.91
##	[5311]	-46.90	-46.89	-46.88	-46.87	-46.86	-46.85	-46.84	-46.83	-46.82
##	[5320]	-46.81	-46.80	-46.79	-46.78	-46.77	-46.76	-46.75	-46.74	-46.73
##	[5329]	-46.72	-46.71	-46.70	-46.69	-46.68	-46.67	-46.66	-46.65	-46.64
##	[5338]	-46.63	-46.62	-46.61	-46.60	-46.59	-46.58	-46.57	-46.56	-46.55
##	[5347]	-46.54	-46.53	-46.52	-46.51	-46.50	-46.49	-46.48	-46.47	-46.46
##	[5356]	-46.45	-46.44	-46.43	-46.42	-46.41	-46.40	-46.39	-46.38	-46.37
##	[5365]	-46.36	-46.35	-46.34	-46.33	-46.32	-46.31	-46.30	-46.29	-46.28
##	[5374]	-46.27	-46.26	-46.25	-46.24	-46.23	-46.22	-46.21	-46.20	-46.19
##	[5383]	-46.18	-46.17	-46.16	-46.15	-46.14	-46.13	-46.12	-46.11	-46.10
##	[5392]	-46.09	-46.08	-46.07	-46.06	-46.05	-46.04	-46.03	-46.02	-46.01
##	[5401]	-46.00	-45.99	-45.98	-45.97	-45.96	-45.95	-45.94	-45.93	-45.92
##	[5410]	-45.91	-45.90	-45.89	-45.88	-45.87	-45.86	-45.85	-45.84	-45.83
##	[5419]	-45.82	-45.81	-45.80	-45.79	-45.78	-45.77	-45.76	-45.75	-45.74
##	[5428]	-45.73	-45.72	-45.71	-45.70	-45.69	-45.68	-45.67	-45.66	-45.65
##	[5437]	-45.64	-45.63	-45.62	-45.61	-45.60	-45.59	-45.58	-45.57	-45.56
##	[5446]	-45.55	-45.54	-45.53	-45.52	-45.51	-45.50	-45.49	-45.48	-45.47
##	[5455]	-45.46	-45.45	-45.44	-45.43	-45.42	-45.41	-45.40	-45.39	-45.38
##	[5464]	-45.37	-45.36	-45.35	-45.34	-45.33	-45.32	-45.31	-45.30	-45.29
##	[5473]	-45.28	-45.27	-45.26	-45.25	-45.24	-45.23	-45.22	-45.21	-45.20
##	[5482]	-45.19	-45.18	-45.17	-45.16	-45.15	-45.14	-45.13	-45.12	-45.11
##	[5491]	-45.10	-45.09	-45.08	-45.07	-45.06	-45.05	-45.04	-45.03	-45.02
##	[5500]	-45.01	-45.00	-44.99	-44.98	-44.97	-44.96	-44.95	-44.94	-44.93
##	[5509]	-44.92	-44.91	-44.90	-44.89	-44.88	-44.87	-44.86	-44.85	-44.84
##	[5518]	-44.83	-44.82	-44.81	-44.80	-44.79	-44.78	-44.77	-44.76	-44.75
##	[5527]	-44.74	-44.73	-44.72	-44.71	-44.70	-44.69	-44.68	-44.67	-44.66
##	[5536]	-44.65	-44.64	-44.63	-44.62	-44.61	-44.60	-44.59	-44.58	-44.57
##	[5545]	-44.56	-44.55	-44.54	-44.53	-44.52	-44.51	-44.50	-44.49	-44.48
##	[5554]	-44.47	-44.46	-44.45	-44.44	-44.43	-44.42	-44.41	-44.40	-44.39
##	[5563]	-44.38	-44.37	-44.36	-44.35	-44.34	-44.33	-44.32	-44.31	-44.30
##	[5572]	-44.29	-44.28	-44.27	-44.26	-44.25	-44.24	-44.23	-44.22	-44.21
##	[5581]	-44.20	-44.19	-44.18	-44.17	-44.16	-44.15	-44.14	-44.13	-44.12
##	[5590]	-44.11	-44.10	-44.09	-44.08	-44.07	-44.06	-44.05	-44.04	-44.03
##	[5599]	-44.02	-44.01	-44.00	-43.99	-43.98	-43.97	-43.96	-43.95	-43.94
##	[5608]	-43.93	-43.92	-43.91	-43.90	-43.89	-43.88	-43.87	-43.86	-43.85
##	[5617]	-43.84	-43.83	-43.82	-43.81	-43.80	-43.79	-43.78	-43.77	-43.76
##	[5626]	-43.75	-43.74	-43.73	-43.72	-43.71	-43.70	-43.69	-43.68	-43.67
##	[5635]	-43.66	-43.65	-43.64	-43.63	-43.62	-43.61	-43.60	-43.59	-43.58
##	[5644]	-43.57	-43.56	-43.55	-43.54	-43.53	-43.52	-43.51	-43.50	-43.49
##	[5653]	-43.48	-43.47	-43.46	-43.45	-43.44	-43.43	-43.42	-43.41	-43.40
##	[5662]	-43.39	-43.38	-43.37	-43.36	-43.35	-43.34	-43.33	-43.32	-43.31
##	[5671]	-43.30	-43.29	-43.28	-43.27	-43.26	-43.25	-43.24	-43.23	-43.22

##	[5680]	-43.21	-43.20	-43.19	-43.18	-43.17	-43.16	-43.15	-43.14	-43.13
##	[5689]	-43.12	-43.11	-43.10	-43.09	-43.08	-43.07	-43.06	-43.05	-43.04
##	[5698]	-43.03	-43.02	-43.01	-43.00	-42.99	-42.98	-42.97	-42.96	-42.95
##	[5707]	-42.94	-42.93	-42.92	-42.91	-42.90	-42.89	-42.88	-42.87	-42.86
##	[5716]	-42.85	-42.84	-42.83	-42.82	-42.81	-42.80	-42.79	-42.78	-42.77
##	[5725]	-42.76	-42.75	-42.74	-42.73	-42.72	-42.71	-42.70	-42.69	-42.68
##	[5734]	-42.67	-42.66	-42.65	-42.64	-42.63	-42.62	-42.61	-42.60	-42.59
##	[5743]	-42.58	-42.57	-42.56	-42.55	-42.54	-42.53	-42.52	-42.51	-42.50
##	[5752]	-42.49	-42.48	-42.47	-42.46	-42.45	-42.44	-42.43	-42.42	-42.41
##	[5761]	-42.40	-42.39	-42.38	-42.37	-42.36	-42.35	-42.34	-42.33	-42.32
##	[5770]	-42.31	-42.30	-42.29	-42.28	-42.27	-42.26	-42.25	-42.24	-42.23
##	[5779]	-42.22	-42.21	-42.20	-42.19	-42.18	-42.17	-42.16	-42.15	-42.14
##	[5788]	-42.13	-42.12	-42.11	-42.10	-42.09	-42.08	-42.07	-42.06	-42.05
##	[5797]	-42.04	-42.03	-42.02	-42.01	-42.00	-41.99	-41.98	-41.97	-41.96
##	[5806]	-41.95	-41.94	-41.93	-41.92	-41.91	-41.90	-41.89	-41.88	-41.87
##	[5815]	-41.86	-41.85	-41.84	-41.83	-41.82	-41.81	-41.80	-41.79	-41.78
##	[5824]	-41.77	-41.76	-41.75	-41.74	-41.73	-41.72	-41.71	-41.70	-41.69
##	[5833]	-41.68	-41.67	-41.66	-41.65	-41.64	-41.63	-41.62	-41.61	-41.60
##	[5842]	-41.59	-41.58	-41.57	-41.56	-41.55	-41.54	-41.53	-41.52	-41.51
##	[5851]	-41.50	-41.49	-41.48	-41.47	-41.46	-41.45	-41.44	-41.43	-41.42
##	[5860]	-41.41	-41.40	-41.39	-41.38	-41.37	-41.36	-41.35	-41.34	-41.33
##	[5869]	-41.32	-41.31	-41.30	-41.29	-41.28	-41.27	-41.26	-41.25	-41.24
##	[5878]	-41.23	-41.22	-41.21	-41.20	-41.19	-41.18	-41.17	-41.16	-41.15
##	[5887]	-41.14	-41.13	-41.12	-41.11	-41.10	-41.09	-41.08	-41.07	-41.06
##	[5896]	-41.05	-41.04	-41.03	-41.02	-41.01	-41.00	-40.99	-40.98	-40.97
##	[5905]	-40.96	-40.95	-40.94	-40.93	-40.92	-40.91	-40.90	-40.89	-40.88
##	[5914]	-40.87	-40.86	-40.85	-40.84	-40.83	-40.82	-40.81	-40.80	-40.79
##	[5923]	-40.78	-40.77	-40.76	-40.75	-40.74	-40.73	-40.72	-40.71	-40.70
##	[5932]	-40.69	-40.68	-40.67	-40.66	-40.65	-40.64	-40.63	-40.62	-40.61
##	[5941]	-40.60	-40.59	-40.58	-40.57	-40.56	-40.55	-40.54	-40.53	-40.52
##	[5950]	-40.51	-40.50	-40.49	-40.48	-40.47	-40.46	-40.45	-40.44	-40.43
##	[5959]	-40.42	-40.41	-40.40	-40.39	-40.38	-40.37	-40.36	-40.35	-40.34
##	[5968]	-40.33	-40.32	-40.31	-40.30	-40.29	-40.28	-40.27	-40.26	-40.25
##	[5977]	-40.24	-40.23	-40.22	-40.21	-40.20	-40.19	-40.18	-40.17	-40.16
##	[5986]	-40.15	-40.14	-40.13	-40.12	-40.11	-40.10	-40.09	-40.08	-40.07
##	[5995]	-40.06	-40.05	-40.04	-40.03	-40.02	-40.01	-40.00	-39.99	-39.98
##	[6004]	-39.97	-39.96	-39.95	-39.94	-39.93	-39.92	-39.91	-39.90	-39.89
##	[6013]	-39.88	-39.87	-39.86	-39.85	-39.84	-39.83	-39.82	-39.81	-39.80
##	[6022]	-39.79	-39.78	-39.77	-39.76	-39.75	-39.74	-39.73	-39.72	-39.71
##	[6031]	-39.70	-39.69	-39.68	-39.67	-39.66	-39.65	-39.64	-39.63	-39.62
##	[6040]	-39.61	-39.60	-39.59	-39.58	-39.57	-39.56	-39.55	-39.54	-39.53
##	[6049]	-39.52	-39.51	-39.50	-39.49	-39.48	-39.47	-39.46	-39.45	-39.44
##	[6058]	-39.43	-39.42	-39.41	-39.40	-39.39	-39.38	-39.37	-39.36	-39.35
##	[6067]	-39.34	-39.33	-39.32	-39.31	-39.30	-39.29	-39.28	-39.27	-39.26
##	[6076]	-39.25	-39.24	-39.23	-39.22	-39.21	-39.20	-39.19	-39.18	-39.17
##	[6085]	-39.16	-39.15	-39.14	-39.13	-39.12	-39.11	-39.10	-39.09	-39.08
##	[6094]	-39.07	-39.06	-39.05	-39.04	-39.03	-39.02	-39.01	-39.00	-38.99
##	[6103]	-38.98	-38.97	-38.96	-38.95	-38.94	-38.93	-38.92	-38.91	-38.90
##	[6112]	-38.89	-38.88	-38.87	-38.86	-38.85	-38.84	-38.83	-38.82	-38.81
##	[6121]	-38.80	-38.79	-38.78	-38.77	-38.76	-38.75	-38.74	-38.73	-38.72
##	[6130]	-38.71	-38.70	-38.69	-38.68	-38.67	-38.66	-38.65	-38.64	-38.63
##	[6139]	-38.62	-38.61	-38.60	-38.59	-38.58	-38.57	-38.56	-38.55	-38.54
##	[6148]	-38.53	-38.52	-38.51	-38.50	-38.49	-38.48	-38.47	-38.46	-38.45
##	[6157]	-38.44	-38.43	-38.42	-38.41	-38.40	-38.39	-38.38	-38.37	-38.36

##	[6166]	-38.35	-38.34	-38.33	-38.32	-38.31	-38.30	-38.29	-38.28	-38.27
##	[6175]	-38.26	-38.25	-38.24	-38.23	-38.22	-38.21	-38.20	-38.19	-38.18
##	[6184]	-38.17	-38.16	-38.15	-38.14	-38.13	-38.12	-38.11	-38.10	-38.09
##	[6193]	-38.08	-38.07	-38.06	-38.05	-38.04	-38.03	-38.02	-38.01	-38.00
##	[6202]	-37.99	-37.98	-37.97	-37.96	-37.95	-37.94	-37.93	-37.92	-37.91
##	[6211]	-37.90	-37.89	-37.88	-37.87	-37.86	-37.85	-37.84	-37.83	-37.82
##	[6220]	-37.81	-37.80	-37.79	-37.78	-37.77	-37.76	-37.75	-37.74	-37.73
##	[6229]	-37.72	-37.71	-37.70	-37.69	-37.68	-37.67	-37.66	-37.65	-37.64
##	[6238]	-37.63	-37.62	-37.61	-37.60	-37.59	-37.58	-37.57	-37.56	-37.55
##	[6247]	-37.54	-37.53	-37.52	-37.51	-37.50	-37.49	-37.48	-37.47	-37.46
##	[6256]	-37.45	-37.44	-37.43	-37.42	-37.41	-37.40	-37.39	-37.38	-37.37
##	[6265]	-37.36	-37.35	-37.34	-37.33	-37.32	-37.31	-37.30	-37.29	-37.28
##	[6274]	-37.27	-37.26	-37.25	-37.24	-37.23	-37.22	-37.21	-37.20	-37.19
##	[6283]	-37.18	-37.17	-37.16	-37.15	-37.14	-37.13	-37.12	-37.11	-37.10
##	[6292]	-37.09	-37.08	-37.07	-37.06	-37.05	-37.04	-37.03	-37.02	-37.01
##	[6301]	-37.00	-36.99	-36.98	-36.97	-36.96	-36.95	-36.94	-36.93	-36.92
##	[6310]	-36.91	-36.90	-36.89	-36.88	-36.87	-36.86	-36.85	-36.84	-36.83
##	[6319]	-36.82	-36.81	-36.80	-36.79	-36.78	-36.77	-36.76	-36.75	-36.74
##	[6328]	-36.73	-36.72	-36.71	-36.70	-36.69	-36.68	-36.67	-36.66	-36.65
##	[6337]	-36.64	-36.63	-36.62	-36.61	-36.60	-36.59	-36.58	-36.57	-36.56
##	[6346]	-36.55	-36.54	-36.53	-36.52	-36.51	-36.50	-36.49	-36.48	-36.47
##	[6355]	-36.46	-36.45	-36.44	-36.43	-36.42	-36.41	-36.40	-36.39	-36.38
##	[6364]	-36.37	-36.36	-36.35	-36.34	-36.33	-36.32	-36.31	-36.30	-36.29
##	[6373]	-36.28	-36.27	-36.26	-36.25	-36.24	-36.23	-36.22	-36.21	-36.20
##	[6382]	-36.19	-36.18	-36.17	-36.16	-36.15	-36.14	-36.13	-36.12	-36.11
##	[6391]	-36.10	-36.09	-36.08	-36.07	-36.06	-36.05	-36.04	-36.03	-36.02
##	[6400]	-36.01	-36.00	-35.99	-35.98	-35.97	-35.96	-35.95	-35.94	-35.93
##	[6409]	-35.92	-35.91	-35.90	-35.89	-35.88	-35.87	-35.86	-35.85	-35.84
##	[6418]	-35.83	-35.82	-35.81	-35.80	-35.79	-35.78	-35.77	-35.76	-35.75
##	[6427]	-35.74	-35.73	-35.72	-35.71	-35.70	-35.69	-35.68	-35.67	-35.66
##	[6436]	-35.65	-35.64	-35.63	-35.62	-35.61	-35.60	-35.59	-35.58	-35.57
##	[6445]	-35.56	-35.55	-35.54	-35.53	-35.52	-35.51	-35.50	-35.49	-35.48
##	[6454]	-35.47	-35.46	-35.45	-35.44	-35.43	-35.42	-35.41	-35.40	-35.39
##	[6463]	-35.38	-35.37	-35.36	-35.35	-35.34	-35.33	-35.32	-35.31	-35.30
##	[6472]	-35.29	-35.28	-35.27	-35.26	-35.25	-35.24	-35.23	-35.22	-35.21
##	[6481]	-35.20	-35.19	-35.18	-35.17	-35.16	-35.15	-35.14	-35.13	-35.12
##	[6490]	-35.11	-35.10	-35.09	-35.08	-35.07	-35.06	-35.05	-35.04	-35.03
##	[6499]	-35.02	-35.01	-35.00	-34.99	-34.98	-34.97	-34.96	-34.95	-34.94
##	[6508]	-34.93	-34.92	-34.91	-34.90	-34.89	-34.88	-34.87	-34.86	-34.85
##	[6517]	-34.84	-34.83	-34.82	-34.81	-34.80	-34.79	-34.78	-34.77	-34.76
##	[6526]	-34.75	-34.74	-34.73	-34.72	-34.71	-34.70	-34.69	-34.68	-34.67
##	[6535]	-34.66	-34.65	-34.64	-34.63	-34.62	-34.61	-34.60	-34.59	-34.58
##	[6544]	-34.57	-34.56	-34.55	-34.54	-34.53	-34.52	-34.51	-34.50	-34.49
##	[6553]	-34.48	-34.47	-34.46	-34.45	-34.44	-34.43	-34.42	-34.41	-34.40
##	[6562]	-34.39	-34.38	-34.37	-34.36	-34.35	-34.34	-34.33	-34.32	-34.31
##	[6571]	-34.30	-34.29	-34.28	-34.27	-34.26	-34.25	-34.24	-34.23	-34.22
##	[6580]	-34.21	-34.20	-34.19	-34.18	-34.17	-34.16	-34.15	-34.14	-34.13
##	[6589]	-34.12	-34.11	-34.10	-34.09	-34.08	-34.07	-34.06	-34.05	-34.04
##	[6598]	-34.03	-34.02	-34.01	-34.00	-33.99	-33.98	-33.97	-33.96	-33.95
##	[6607]	-33.94	-33.93	-33.92	-33.91	-33.90	-33.89	-33.88	-33.87	-33.86
##	[6616]	-33.85	-33.84	-33.83	-33.82	-33.81	-33.80	-33.79	-33.78	-33.77
##	[6625]	-33.76	-33.75	-33.74	-33.73	-33.72	-33.71	-33.70	-33.69	-33.68
##	[6634]	-33.67	-33.66	-33.65	-33.64	-33.63	-33.62	-33.61	-33.60	-33.59
##	[6643]	-33.58	-33.57	-33.56	-33.55	-33.54	-33.53	-33.52	-33.51	-33.50

##	[6652]	-33.49	-33.48	-33.47	-33.46	-33.45	-33.44	-33.43	-33.42	-33.41
##	[6661]	-33.40	-33.39	-33.38	-33.37	-33.36	-33.35	-33.34	-33.33	-33.32
##	[6670]	-33.31	-33.30	-33.29	-33.28	-33.27	-33.26	-33.25	-33.24	-33.23
##	[6679]	-33.22	-33.21	-33.20	-33.19	-33.18	-33.17	-33.16	-33.15	-33.14
##	[6688]	-33.13	-33.12	-33.11	-33.10	-33.09	-33.08	-33.07	-33.06	-33.05
##	[6697]	-33.04	-33.03	-33.02	-33.01	-33.00	-32.99	-32.98	-32.97	-32.96
##	[6706]	-32.95	-32.94	-32.93	-32.92	-32.91	-32.90	-32.89	-32.88	-32.87
##	[6715]	-32.86	-32.85	-32.84	-32.83	-32.82	-32.81	-32.80	-32.79	-32.78
##	[6724]	-32.77	-32.76	-32.75	-32.74	-32.73	-32.72	-32.71	-32.70	-32.69
##	[6733]	-32.68	-32.67	-32.66	-32.65	-32.64	-32.63	-32.62	-32.61	-32.60
##	[6742]	-32.59	-32.58	-32.57	-32.56	-32.55	-32.54	-32.53	-32.52	-32.51
##	[6751]	-32.50	-32.49	-32.48	-32.47	-32.46	-32.45	-32.44	-32.43	-32.42
##	[6760]	-32.41	-32.40	-32.39	-32.38	-32.37	-32.36	-32.35	-32.34	-32.33
##	[6769]	-32.32	-32.31	-32.30	-32.29	-32.28	-32.27	-32.26	-32.25	-32.24
##	[6778]	-32.23	-32.22	-32.21	-32.20	-32.19	-32.18	-32.17	-32.16	-32.15
##	[6787]	-32.14	-32.13	-32.12	-32.11	-32.10	-32.09	-32.08	-32.07	-32.06
##	[6796]	-32.05	-32.04	-32.03	-32.02	-32.01	-32.00	-31.99	-31.98	-31.97
##	[6805]	-31.96	-31.95	-31.94	-31.93	-31.92	-31.91	-31.90	-31.89	-31.88
##	[6814]	-31.87	-31.86	-31.85	-31.84	-31.83	-31.82	-31.81	-31.80	-31.79
##	[6823]	-31.78	-31.77	-31.76	-31.75	-31.74	-31.73	-31.72	-31.71	-31.70
##	[6832]	-31.69	-31.68	-31.67	-31.66	-31.65	-31.64	-31.63	-31.62	-31.61
##	[6841]	-31.60	-31.59	-31.58	-31.57	-31.56	-31.55	-31.54	-31.53	-31.52
##	[6850]	-31.51	-31.50	-31.49	-31.48	-31.47	-31.46	-31.45	-31.44	-31.43
##	[6859]	-31.42	-31.41	-31.40	-31.39	-31.38	-31.37	-31.36	-31.35	-31.34
##	[6868]	-31.33	-31.32	-31.31	-31.30	-31.29	-31.28	-31.27	-31.26	-31.25
##	[6877]	-31.24	-31.23	-31.22	-31.21	-31.20	-31.19	-31.18	-31.17	-31.16
##	[6886]	-31.15	-31.14	-31.13	-31.12	-31.11	-31.10	-31.09	-31.08	-31.07
##	[6895]	-31.06	-31.05	-31.04	-31.03	-31.02	-31.01	-31.00	-30.99	-30.98
##	[6904]	-30.97	-30.96	-30.95	-30.94	-30.93	-30.92	-30.91	-30.90	-30.89
##	[6913]	-30.88	-30.87	-30.86	-30.85	-30.84	-30.83	-30.82	-30.81	-30.80
##	[6922]	-30.79	-30.78	-30.77	-30.76	-30.75	-30.74	-30.73	-30.72	-30.71
##	[6931]	-30.70	-30.69	-30.68	-30.67	-30.66	-30.65	-30.64	-30.63	-30.62
##	[6940]	-30.61	-30.60	-30.59	-30.58	-30.57	-30.56	-30.55	-30.54	-30.53
##	[6949]	-30.52	-30.51	-30.50	-30.49	-30.48	-30.47	-30.46	-30.45	-30.44
##	[6958]	-30.43	-30.42	-30.41	-30.40	-30.39	-30.38	-30.37	-30.36	-30.35
##	[6967]	-30.34	-30.33	-30.32	-30.31	-30.30	-30.29	-30.28	-30.27	-30.26
##	[6976]	-30.25	-30.24	-30.23	-30.22	-30.21	-30.20	-30.19	-30.18	-30.17
##	[6985]	-30.16	-30.15	-30.14	-30.13	-30.12	-30.11	-30.10	-30.09	-30.08
##	[6994]	-30.07	-30.06	-30.05	-30.04	-30.03	-30.02	-30.01	-30.00	-29.99
##	[7003]	-29.98	-29.97	-29.96	-29.95	-29.94	-29.93	-29.92	-29.91	-29.90
##	[7012]	-29.89	-29.88	-29.87	-29.86	-29.85	-29.84	-29.83	-29.82	-29.81
##	[7021]	-29.80	-29.79	-29.78	-29.77	-29.76	-29.75	-29.74	-29.73	-29.72
##	[7030]	-29.71	-29.70	-29.69	-29.68	-29.67	-29.66	-29.65	-29.64	-29.63
##	[7039]	-29.62	-29.61	-29.60	-29.59	-29.58	-29.57	-29.56	-29.55	-29.54
##	[7048]	-29.53	-29.52	-29.51	-29.50	-29.49	-29.48	-29.47	-29.46	-29.45
##	[7057]	-29.44	-29.43	-29.42	-29.41	-29.40	-29.39	-29.38	-29.37	-29.36
##	[7066]	-29.35	-29.34	-29.33	-29.32	-29.31	-29.30	-29.29	-29.28	-29.27
##	[7075]	-29.26	-29.25	-29.24	-29.23	-29.22	-29.21	-29.20	-29.19	-29.18
##	[7084]	-29.17	-29.16	-29.15	-29.14	-29.13	-29.12	-29.11	-29.10	-29.09
##	[7093]	-29.08	-29.07	-29.06	-29.05	-29.04	-29.03	-29.02	-29.01	-29.00
##	[7102]	-28.99	-28.98	-28.97	-28.96	-28.95	-28.94	-28.93	-28.92	-28.91
##	[7111]	-28.90	-28.89	-28.88	-28.87	-28.86	-28.85	-28.84	-28.83	-28.82
##	[7120]	-28.81	-28.80	-28.79	-28.78	-28.77	-28.76	-28.75	-28.74	-28.73
##	[7129]	-28.72	-28.71	-28.70	-28.69	-28.68	-28.67	-28.66	-28.65	-28.64

##	[7138]	-28.63	-28.62	-28.61	-28.60	-28.59	-28.58	-28.57	-28.56	-28.55
##	[7147]	-28.54	-28.53	-28.52	-28.51	-28.50	-28.49	-28.48	-28.47	-28.46
##	[7156]	-28.45	-28.44	-28.43	-28.42	-28.41	-28.40	-28.39	-28.38	-28.37
##	[7165]	-28.36	-28.35	-28.34	-28.33	-28.32	-28.31	-28.30	-28.29	-28.28
##	[7174]	-28.27	-28.26	-28.25	-28.24	-28.23	-28.22	-28.21	-28.20	-28.19
##	[7183]	-28.18	-28.17	-28.16	-28.15	-28.14	-28.13	-28.12	-28.11	-28.10
##	[7192]	-28.09	-28.08	-28.07	-28.06	-28.05	-28.04	-28.03	-28.02	-28.01
##	[7201]	-28.00	-27.99	-27.98	-27.97	-27.96	-27.95	-27.94	-27.93	-27.92
##	[7210]	-27.91	-27.90	-27.89	-27.88	-27.87	-27.86	-27.85	-27.84	-27.83
##	[7219]	-27.82	-27.81	-27.80	-27.79	-27.78	-27.77	-27.76	-27.75	-27.74
##	[7228]	-27.73	-27.72	-27.71	-27.70	-27.69	-27.68	-27.67	-27.66	-27.65
##	[7237]	-27.64	-27.63	-27.62	-27.61	-27.60	-27.59	-27.58	-27.57	-27.56
##	[7246]	-27.55	-27.54	-27.53	-27.52	-27.51	-27.50	-27.49	-27.48	-27.47
##	[7255]	-27.46	-27.45	-27.44	-27.43	-27.42	-27.41	-27.40	-27.39	-27.38
##	[7264]	-27.37	-27.36	-27.35	-27.34	-27.33	-27.32	-27.31	-27.30	-27.29
##	[7273]	-27.28	-27.27	-27.26	-27.25	-27.24	-27.23	-27.22	-27.21	-27.20
##	[7282]	-27.19	-27.18	-27.17	-27.16	-27.15	-27.14	-27.13	-27.12	-27.11
##	[7291]	-27.10	-27.09	-27.08	-27.07	-27.06	-27.05	-27.04	-27.03	-27.02
##	[7300]	-27.01	-27.00	-26.99	-26.98	-26.97	-26.96	-26.95	-26.94	-26.93
##	[7309]	-26.92	-26.91	-26.90	-26.89	-26.88	-26.87	-26.86	-26.85	-26.84
##	[7318]	-26.83	-26.82	-26.81	-26.80	-26.79	-26.78	-26.77	-26.76	-26.75
##	[7327]	-26.74	-26.73	-26.72	-26.71	-26.70	-26.69	-26.68	-26.67	-26.66
##	[7336]	-26.65	-26.64	-26.63	-26.62	-26.61	-26.60	-26.59	-26.58	-26.57
##	[7345]	-26.56	-26.55	-26.54	-26.53	-26.52	-26.51	-26.50	-26.49	-26.48
##	[7354]	-26.47	-26.46	-26.45	-26.44	-26.43	-26.42	-26.41	-26.40	-26.39
##	[7363]	-26.38	-26.37	-26.36	-26.35	-26.34	-26.33	-26.32	-26.31	-26.30
##	[7372]	-26.29	-26.28	-26.27	-26.26	-26.25	-26.24	-26.23	-26.22	-26.21
##	[7381]	-26.20	-26.19	-26.18	-26.17	-26.16	-26.15	-26.14	-26.13	-26.12
##	[7390]	-26.11	-26.10	-26.09	-26.08	-26.07	-26.06	-26.05	-26.04	-26.03
##	[7399]	-26.02	-26.01	-26.00	-25.99	-25.98	-25.97	-25.96	-25.95	-25.94
##	[7408]	-25.93	-25.92	-25.91	-25.90	-25.89	-25.88	-25.87	-25.86	-25.85
##	[7417]	-25.84	-25.83	-25.82	-25.81	-25.80	-25.79	-25.78	-25.77	-25.76
##	[7426]	-25.75	-25.74	-25.73	-25.72	-25.71	-25.70	-25.69	-25.68	-25.67
##	[7435]	-25.66	-25.65	-25.64	-25.63	-25.62	-25.61	-25.60	-25.59	-25.58
##	[7444]	-25.57	-25.56	-25.55	-25.54	-25.53	-25.52	-25.51	-25.50	-25.49
##	[7453]	-25.48	-25.47	-25.46	-25.45	-25.44	-25.43	-25.42	-25.41	-25.40
##	[7462]	-25.39	-25.38	-25.37	-25.36	-25.35	-25.34	-25.33	-25.32	-25.31
##	[7471]	-25.30	-25.29	-25.28	-25.27	-25.26	-25.25	-25.24	-25.23	-25.22
##	[7480]	-25.21	-25.20	-25.19	-25.18	-25.17	-25.16	-25.15	-25.14	-25.13
##	[7489]	-25.12	-25.11	-25.10	-25.09	-25.08	-25.07	-25.06	-25.05	-25.04
##	[7498]	-25.03	-25.02	-25.01	-25.00	-24.99	-24.98	-24.97	-24.96	-24.95
##	[7507]	-24.94	-24.93	-24.92	-24.91	-24.90	-24.89	-24.88	-24.87	-24.86
##	[7516]	-24.85	-24.84	-24.83	-24.82	-24.81	-24.80	-24.79	-24.78	-24.77
##	[7525]	-24.76	-24.75	-24.74	-24.73	-24.72	-24.71	-24.70	-24.69	-24.68
##	[7534]	-24.67	-24.66	-24.65	-24.64	-24.63	-24.62	-24.61	-24.60	-24.59
##	[7543]	-24.58	-24.57	-24.56	-24.55	-24.54	-24.53	-24.52	-24.51	-24.50
##	[7552]	-24.49	-24.48	-24.47	-24.46	-24.45	-24.44	-24.43	-24.42	-24.41
##	[7561]	-24.40	-24.39	-24.38	-24.37	-24.36	-24.35	-24.34	-24.33	-24.32
##	[7570]	-24.31	-24.30	-24.29	-24.28	-24.27	-24.26	-24.25	-24.24	-24.23
##	[7579]	-24.22	-24.21	-24.20	-24.19	-24.18	-24.17	-24.16	-24.15	-24.14
##	[7588]	-24.13	-24.12	-24.11	-24.10	-24.09	-24.08	-24.07	-24.06	-24.05
##	[7597]	-24.04	-24.03	-24.02	-24.01	-24.00	-23.99	-23.98	-23.97	-23.96
##	[7606]	-23.95	-23.94	-23.93	-23.92	-23.91	-23.90	-23.89	-23.88	-23.87
##	[7615]	-23.86	-23.85	-23.84	-23.83	-23.82	-23.81	-23.80	-23.79	-23.78

##	[7624]	-23.77	-23.76	-23.75	-23.74	-23.73	-23.72	-23.71	-23.70	-23.69
##	[7633]	-23.68	-23.67	-23.66	-23.65	-23.64	-23.63	-23.62	-23.61	-23.60
##	[7642]	-23.59	-23.58	-23.57	-23.56	-23.55	-23.54	-23.53	-23.52	-23.51
##	[7651]	-23.50	-23.49	-23.48	-23.47	-23.46	-23.45	-23.44	-23.43	-23.42
##	[7660]	-23.41	-23.40	-23.39	-23.38	-23.37	-23.36	-23.35	-23.34	-23.33
##	[7669]	-23.32	-23.31	-23.30	-23.29	-23.28	-23.27	-23.26	-23.25	-23.24
##	[7678]	-23.23	-23.22	-23.21	-23.20	-23.19	-23.18	-23.17	-23.16	-23.15
##	[7687]	-23.14	-23.13	-23.12	-23.11	-23.10	-23.09	-23.08	-23.07	-23.06
##	[7696]	-23.05	-23.04	-23.03	-23.02	-23.01	-23.00	-22.99	-22.98	-22.97
##	[7705]	-22.96	-22.95	-22.94	-22.93	-22.92	-22.91	-22.90	-22.89	-22.88
##	[7714]	-22.87	-22.86	-22.85	-22.84	-22.83	-22.82	-22.81	-22.80	-22.79
##	[7723]	-22.78	-22.77	-22.76	-22.75	-22.74	-22.73	-22.72	-22.71	-22.70
##	[7732]	-22.69	-22.68	-22.67	-22.66	-22.65	-22.64	-22.63	-22.62	-22.61
##	[7741]	-22.60	-22.59	-22.58	-22.57	-22.56	-22.55	-22.54	-22.53	-22.52
##	[7750]	-22.51	-22.50	-22.49	-22.48	-22.47	-22.46	-22.45	-22.44	-22.43
##	[7759]	-22.42	-22.41	-22.40	-22.39	-22.38	-22.37	-22.36	-22.35	-22.34
##	[7768]	-22.33	-22.32	-22.31	-22.30	-22.29	-22.28	-22.27	-22.26	-22.25
##	[7777]	-22.24	-22.23	-22.22	-22.21	-22.20	-22.19	-22.18	-22.17	-22.16
##	[7786]	-22.15	-22.14	-22.13	-22.12	-22.11	-22.10	-22.09	-22.08	-22.07
##	[7795]	-22.06	-22.05	-22.04	-22.03	-22.02	-22.01	-22.00	-21.99	-21.98
##	[7804]	-21.97	-21.96	-21.95	-21.94	-21.93	-21.92	-21.91	-21.90	-21.89
##	[7813]	-21.88	-21.87	-21.86	-21.85	-21.84	-21.83	-21.82	-21.81	-21.80
##	[7822]	-21.79	-21.78	-21.77	-21.76	-21.75	-21.74	-21.73	-21.72	-21.71
##	[7831]	-21.70	-21.69	-21.68	-21.67	-21.66	-21.65	-21.64	-21.63	-21.62
##	[7840]	-21.61	-21.60	-21.59	-21.58	-21.57	-21.56	-21.55	-21.54	-21.53
##	[7849]	-21.52	-21.51	-21.50	-21.49	-21.48	-21.47	-21.46	-21.45	-21.44
##	[7858]	-21.43	-21.42	-21.41	-21.40	-21.39	-21.38	-21.37	-21.36	-21.35
##	[7867]	-21.34	-21.33	-21.32	-21.31	-21.30	-21.29	-21.28	-21.27	-21.26
##	[7876]	-21.25	-21.24	-21.23	-21.22	-21.21	-21.20	-21.19	-21.18	-21.17
##	[7885]	-21.16	-21.15	-21.14	-21.13	-21.12	-21.11	-21.10	-21.09	-21.08
##	[7894]	-21.07	-21.06	-21.05	-21.04	-21.03	-21.02	-21.01	-21.00	-20.99
##	[7903]	-20.98	-20.97	-20.96	-20.95	-20.94	-20.93	-20.92	-20.91	-20.90
##	[7912]	-20.89	-20.88	-20.87	-20.86	-20.85	-20.84	-20.83	-20.82	-20.81
##	[7921]	-20.80	-20.79	-20.78	-20.77	-20.76	-20.75	-20.74	-20.73	-20.72
##	[7930]	-20.71	-20.70	-20.69	-20.68	-20.67	-20.66	-20.65	-20.64	-20.63
##	[7939]	-20.62	-20.61	-20.60	-20.59	-20.58	-20.57	-20.56	-20.55	-20.54
##	[7948]	-20.53	-20.52	-20.51	-20.50	-20.49	-20.48	-20.47	-20.46	-20.45
##	[7957]	-20.44	-20.43	-20.42	-20.41	-20.40	-20.39	-20.38	-20.37	-20.36
##	[7966]	-20.35	-20.34	-20.33	-20.32	-20.31	-20.30	-20.29	-20.28	-20.27
##	[7975]	-20.26	-20.25	-20.24	-20.23	-20.22	-20.21	-20.20	-20.19	-20.18
##	[7984]	-20.17	-20.16	-20.15	-20.14	-20.13	-20.12	-20.11	-20.10	-20.09
##	[7993]	-20.08	-20.07	-20.06	-20.05	-20.04	-20.03	-20.02	-20.01	-20.00
##	[8002]	-19.99	-19.98	-19.97	-19.96	-19.95	-19.94	-19.93	-19.92	-19.91
##	[8011]	-19.90	-19.89	-19.88	-19.87	-19.86	-19.85	-19.84	-19.83	-19.82
##	[8020]	-19.81	-19.80	-19.79	-19.78	-19.77	-19.76	-19.75	-19.74	-19.73
##	[8029]	-19.72	-19.71	-19.70	-19.69	-19.68	-19.67	-19.66	-19.65	-19.64
##	[8038]	-19.63	-19.62	-19.61	-19.60	-19.59	-19.58	-19.57	-19.56	-19.55
##	[8047]	-19.54	-19.53	-19.52	-19.51	-19.50	-19.49	-19.48	-19.47	-19.46
##	[8056]	-19.45	-19.44	-19.43	-19.42	-19.41	-19.40	-19.39	-19.38	-19.37
##	[8065]	-19.36	-19.35	-19.34	-19.33	-19.32	-19.31	-19.30	-19.29	-19.28
##	[8074]	-19.27	-19.26	-19.25	-19.24	-19.23	-19.22	-19.21	-19.20	-19.19
##	[8083]	-19.18	-19.17	-19.16	-19.15	-19.14	-19.13	-19.12	-19.11	-19.10
##	[8092]	-19.09	-19.08	-19.07	-19.06	-19.05	-19.04	-19.03	-19.02	-19.01
##	[8101]	-19.00	-18.99	-18.98	-18.97	-18.96	-18.95	-18.94	-18.93	-18.92

##	[8110]	-18.91	-18.90	-18.89	-18.88	-18.87	-18.86	-18.85	-18.84	-18.83
##	[8119]	-18.82	-18.81	-18.80	-18.79	-18.78	-18.77	-18.76	-18.75	-18.74
##	[8128]	-18.73	-18.72	-18.71	-18.70	-18.69	-18.68	-18.67	-18.66	-18.65
##	[8137]	-18.64	-18.63	-18.62	-18.61	-18.60	-18.59	-18.58	-18.57	-18.56
##	[8146]	-18.55	-18.54	-18.53	-18.52	-18.51	-18.50	-18.49	-18.48	-18.47
##	[8155]	-18.46	-18.45	-18.44	-18.43	-18.42	-18.41	-18.40	-18.39	-18.38
##	[8164]	-18.37	-18.36	-18.35	-18.34	-18.33	-18.32	-18.31	-18.30	-18.29
##	[8173]	-18.28	-18.27	-18.26	-18.25	-18.24	-18.23	-18.22	-18.21	-18.20
##	[8182]	-18.19	-18.18	-18.17	-18.16	-18.15	-18.14	-18.13	-18.12	-18.11
##	[8191]	-18.10	-18.09	-18.08	-18.07	-18.06	-18.05	-18.04	-18.03	-18.02
##	[8200]	-18.01	-18.00	-17.99	-17.98	-17.97	-17.96	-17.95	-17.94	-17.93
##	[8209]	-17.92	-17.91	-17.90	-17.89	-17.88	-17.87	-17.86	-17.85	-17.84
##	[8218]	-17.83	-17.82	-17.81	-17.80	-17.79	-17.78	-17.77	-17.76	-17.75
##	[8227]	-17.74	-17.73	-17.72	-17.71	-17.70	-17.69	-17.68	-17.67	-17.66
##	[8236]	-17.65	-17.64	-17.63	-17.62	-17.61	-17.60	-17.59	-17.58	-17.57
##	[8245]	-17.56	-17.55	-17.54	-17.53	-17.52	-17.51	-17.50	-17.49	-17.48
##	[8254]	-17.47	-17.46	-17.45	-17.44	-17.43	-17.42	-17.41	-17.40	-17.39
##	[8263]	-17.38	-17.37	-17.36	-17.35	-17.34	-17.33	-17.32	-17.31	-17.30
##	[8272]	-17.29	-17.28	-17.27	-17.26	-17.25	-17.24	-17.23	-17.22	-17.21
##	[8281]	-17.20	-17.19	-17.18	-17.17	-17.16	-17.15	-17.14	-17.13	-17.12
##	[8290]	-17.11	-17.10	-17.09	-17.08	-17.07	-17.06	-17.05	-17.04	-17.03
##	[8299]	-17.02	-17.01	-17.00	-16.99	-16.98	-16.97	-16.96	-16.95	-16.94
##	[8308]	-16.93	-16.92	-16.91	-16.90	-16.89	-16.88	-16.87	-16.86	-16.85
##	[8317]	-16.84	-16.83	-16.82	-16.81	-16.80	-16.79	-16.78	-16.77	-16.76
##	[8326]	-16.75	-16.74	-16.73	-16.72	-16.71	-16.70	-16.69	-16.68	-16.67
##	[8335]	-16.66	-16.65	-16.64	-16.63	-16.62	-16.61	-16.60	-16.59	-16.58
##	[8344]	-16.57	-16.56	-16.55	-16.54	-16.53	-16.52	-16.51	-16.50	-16.49
##	[8353]	-16.48	-16.47	-16.46	-16.45	-16.44	-16.43	-16.42	-16.41	-16.40
##	[8362]	-16.39	-16.38	-16.37	-16.36	-16.35	-16.34	-16.33	-16.32	-16.31
##	[8371]	-16.30	-16.29	-16.28	-16.27	-16.26	-16.25	-16.24	-16.23	-16.22
##	[8380]	-16.21	-16.20	-16.19	-16.18	-16.17	-16.16	-16.15	-16.14	-16.13
##	[8389]	-16.12	-16.11	-16.10	-16.09	-16.08	-16.07	-16.06	-16.05	-16.04
##	[8398]	-16.03	-16.02	-16.01	-16.00	-15.99	-15.98	-15.97	-15.96	-15.95
##	[8407]	-15.94	-15.93	-15.92	-15.91	-15.90	-15.89	-15.88	-15.87	-15.86
##	[8416]	-15.85	-15.84	-15.83	-15.82	-15.81	-15.80	-15.79	-15.78	-15.77
##	[8425]	-15.76	-15.75	-15.74	-15.73	-15.72	-15.71	-15.70	-15.69	-15.68
##	[8434]	-15.67	-15.66	-15.65	-15.64	-15.63	-15.62	-15.61	-15.60	-15.59
##	[8443]	-15.58	-15.57	-15.56	-15.55	-15.54	-15.53	-15.52	-15.51	-15.50
##	[8452]	-15.49	-15.48	-15.47	-15.46	-15.45	-15.44	-15.43	-15.42	-15.41
##	[8461]	-15.40	-15.39	-15.38	-15.37	-15.36	-15.35	-15.34	-15.33	-15.32
##	[8470]	-15.31	-15.30	-15.29	-15.28	-15.27	-15.26	-15.25	-15.24	-15.23
##	[8479]	-15.22	-15.21	-15.20	-15.19	-15.18	-15.17	-15.16	-15.15	-15.14
##	[8488]	-15.13	-15.12	-15.11	-15.10	-15.09	-15.08	-15.07	-15.06	-15.05
##	[8497]	-15.04	-15.03	-15.02	-15.01	-15.00	-14.99	-14.98	-14.97	-14.96
##	[8506]	-14.95	-14.94	-14.93	-14.92	-14.91	-14.90	-14.89	-14.88	-14.87
##	[8515]	-14.86	-14.85	-14.84	-14.83	-14.82	-14.81	-14.80	-14.79	-14.78
##	[8524]	-14.77	-14.76	-14.75	-14.74	-14.73	-14.72	-14.71	-14.70	-14.69
##	[8533]	-14.68	-14.67	-14.66	-14.65	-14.64	-14.63	-14.62	-14.61	-14.60
##	[8542]	-14.59	-14.58	-14.57	-14.56	-14.55	-14.54	-14.53	-14.52	-14.51
##	[8551]	-14.50	-14.49	-14.48	-14.47	-14.46	-14.45	-14.44	-14.43	-14.42
##	[8560]	-14.41	-14.40	-14.39	-14.38	-14.37	-14.36	-14.35	-14.34	-14.33
##	[8569]	-14.32	-14.31	-14.30	-14.29	-14.28	-14.27	-14.26	-14.25	-14.24
##	[8578]	-14.23	-14.22	-14.21	-14.20	-14.19	-14.18	-14.17	-14.16	-14.15
##	[8587]	-14.14	-14.13	-14.12	-14.11	-14.10	-14.09	-14.08	-14.07	-14.06

##	[8596]	-14.05	-14.04	-14.03	-14.02	-14.01	-14.00	-13.99	-13.98	-13.97
##	[8605]	-13.96	-13.95	-13.94	-13.93	-13.92	-13.91	-13.90	-13.89	-13.88
##	[8614]	-13.87	-13.86	-13.85	-13.84	-13.83	-13.82	-13.81	-13.80	-13.79
##	[8623]	-13.78	-13.77	-13.76	-13.75	-13.74	-13.73	-13.72	-13.71	-13.70
##	[8632]	-13.69	-13.68	-13.67	-13.66	-13.65	-13.64	-13.63	-13.62	-13.61
##	[8641]	-13.60	-13.59	-13.58	-13.57	-13.56	-13.55	-13.54	-13.53	-13.52
##	[8650]	-13.51	-13.50	-13.49	-13.48	-13.47	-13.46	-13.45	-13.44	-13.43
##	[8659]	-13.42	-13.41	-13.40	-13.39	-13.38	-13.37	-13.36	-13.35	-13.34
##	[8668]	-13.33	-13.32	-13.31	-13.30	-13.29	-13.28	-13.27	-13.26	-13.25
##	[8677]	-13.24	-13.23	-13.22	-13.21	-13.20	-13.19	-13.18	-13.17	-13.16
##	[8686]	-13.15	-13.14	-13.13	-13.12	-13.11	-13.10	-13.09	-13.08	-13.07
##	[8695]	-13.06	-13.05	-13.04	-13.03	-13.02	-13.01	-13.00	-12.99	-12.98
##	[8704]	-12.97	-12.96	-12.95	-12.94	-12.93	-12.92	-12.91	-12.90	-12.89
##	[8713]	-12.88	-12.87	-12.86	-12.85	-12.84	-12.83	-12.82	-12.81	-12.80
##	[8722]	-12.79	-12.78	-12.77	-12.76	-12.75	-12.74	-12.73	-12.72	-12.71
##	[8731]	-12.70	-12.69	-12.68	-12.67	-12.66	-12.65	-12.64	-12.63	-12.62
##	[8740]	-12.61	-12.60	-12.59	-12.58	-12.57	-12.56	-12.55	-12.54	-12.53
##	[8749]	-12.52	-12.51	-12.50	-12.49	-12.48	-12.47	-12.46	-12.45	-12.44
##	[8758]	-12.43	-12.42	-12.41	-12.40	-12.39	-12.38	-12.37	-12.36	-12.35
##	[8767]	-12.34	-12.33	-12.32	-12.31	-12.30	-12.29	-12.28	-12.27	-12.26
##	[8776]	-12.25	-12.24	-12.23	-12.22	-12.21	-12.20	-12.19	-12.18	-12.17
##	[8785]	-12.16	-12.15	-12.14	-12.13	-12.12	-12.11	-12.10	-12.09	-12.08
##	[8794]	-12.07	-12.06	-12.05	-12.04	-12.03	-12.02	-12.01	-12.00	-11.99
##	[8803]	-11.98	-11.97	-11.96	-11.95	-11.94	-11.93	-11.92	-11.91	-11.90
##	[8812]	-11.89	-11.88	-11.87	-11.86	-11.85	-11.84	-11.83	-11.82	-11.81
##	[8821]	-11.80	-11.79	-11.78	-11.77	-11.76	-11.75	-11.74	-11.73	-11.72
##	[8830]	-11.71	-11.70	-11.69	-11.68	-11.67	-11.66	-11.65	-11.64	-11.63
##	[8839]	-11.62	-11.61	-11.60	-11.59	-11.58	-11.57	-11.56	-11.55	-11.54
##	[8848]	-11.53	-11.52	-11.51	-11.50	-11.49	-11.48	-11.47	-11.46	-11.45
##	[8857]	-11.44	-11.43	-11.42	-11.41	-11.40	-11.39	-11.38	-11.37	-11.36
##	[8866]	-11.35	-11.34	-11.33	-11.32	-11.31	-11.30	-11.29	-11.28	-11.27
##	[8875]	-11.26	-11.25	-11.24	-11.23	-11.22	-11.21	-11.20	-11.19	-11.18
##	[8884]	-11.17	-11.16	-11.15	-11.14	-11.13	-11.12	-11.11	-11.10	-11.09
##	[8893]	-11.08	-11.07	-11.06	-11.05	-11.04	-11.03	-11.02	-11.01	-11.00
##	[8902]	-10.99	-10.98	-10.97	-10.96	-10.95	-10.94	-10.93	-10.92	-10.91
##	[8911]	-10.90	-10.89	-10.88	-10.87	-10.86	-10.85	-10.84	-10.83	-10.82
##	[8920]	-10.81	-10.80	-10.79	-10.78	-10.77	-10.76	-10.75	-10.74	-10.73
##	[8929]	-10.72	-10.71	-10.70	-10.69	-10.68	-10.67	-10.66	-10.65	-10.64
##	[8938]	-10.63	-10.62	-10.61	-10.60	-10.59	-10.58	-10.57	-10.56	-10.55
##	[8947]	-10.54	-10.53	-10.52	-10.51	-10.50	-10.49	-10.48	-10.47	-10.46
##	[8956]	-10.45	-10.44	-10.43	-10.42	-10.41	-10.40	-10.39	-10.38	-10.37
##	[8965]	-10.36	-10.35	-10.34	-10.33	-10.32	-10.31	-10.30	-10.29	-10.28
##	[8974]	-10.27	-10.26	-10.25	-10.24	-10.23	-10.22	-10.21	-10.20	-10.19
##	[8983]	-10.18	-10.17	-10.16	-10.15	-10.14	-10.13	-10.12	-10.11	-10.10
##	[8992]	-10.09	-10.08	-10.07	-10.06	-10.05	-10.04	-10.03	-10.02	-10.01
##	[9001]	-10.00	-9.99	-9.98	-9.97	-9.96	-9.95	-9.94	-9.93	-9.92
##	[9010]	-9.91	-9.90	-9.89	-9.88	-9.87	-9.86	-9.85	-9.84	-9.83
##	[9019]	-9.82	-9.81	-9.80	-9.79	-9.78	-9.77	-9.76	-9.75	-9.74
##	[9028]	-9.73	-9.72	-9.71	-9.70	-9.69	-9.68	-9.67	-9.66	-9.65
##	[9037]	-9.64	-9.63	-9.62	-9.61	-9.60	-9.59	-9.58	-9.57	-9.56
##	[9046]	-9.55	-9.54	-9.53	-9.52	-9.51	-9.50	-9.49	-9.48	-9.47
##	[9055]	-9.46	-9.45	-9.44	-9.43	-9.42	-9.41	-9.40	-9.39	-9.38
##	[9064]	-9.37	-9.36	-9.35	-9.34	-9.33	-9.32	-9.31	-9.30	-9.29
##	[9073]	-9.28	-9.27	-9.26	-9.25	-9.24	-9.23	-9.22	-9.21	-9.20

##	[9082]	-9.19	-9.18	-9.17	-9.16	-9.15	-9.14	-9.13	-9.12	-9.11
##	[9091]	-9.10	-9.09	-9.08	-9.07	-9.06	-9.05	-9.04	-9.03	-9.02
##	[9100]	-9.01	-9.00	-8.99	-8.98	-8.97	-8.96	-8.95	-8.94	-8.93
##	[9109]	-8.92	-8.91	-8.90	-8.89	-8.88	-8.87	-8.86	-8.85	-8.84
##	[9118]	-8.83	-8.82	-8.81	-8.80	-8.79	-8.78	-8.77	-8.76	-8.75
##	[9127]	-8.74	-8.73	-8.72	-8.71	-8.70	-8.69	-8.68	-8.67	-8.66
##	[9136]	-8.65	-8.64	-8.63	-8.62	-8.61	-8.60	-8.59	-8.58	-8.57
##	[9145]	-8.56	-8.55	-8.54	-8.53	-8.52	-8.51	-8.50	-8.49	-8.48
##	[9154]	-8.47	-8.46	-8.45	-8.44	-8.43	-8.42	-8.41	-8.40	-8.39
##	[9163]	-8.38	-8.37	-8.36	-8.35	-8.34	-8.33	-8.32	-8.31	-8.30
##	[9172]	-8.29	-8.28	-8.27	-8.26	-8.25	-8.24	-8.23	-8.22	-8.21
##	[9181]	-8.20	-8.19	-8.18	-8.17	-8.16	-8.15	-8.14	-8.13	-8.12
##	[9190]	-8.11	-8.10	-8.09	-8.08	-8.07	-8.06	-8.05	-8.04	-8.03
##	[9199]	-8.02	-8.01	-8.00	-7.99	-7.98	-7.97	-7.96	-7.95	-7.94
##	[9208]	-7.93	-7.92	-7.91	-7.90	-7.89	-7.88	-7.87	-7.86	-7.85
##	[9217]	-7.84	-7.83	-7.82	-7.81	-7.80	-7.79	-7.78	-7.77	-7.76
##	[9226]	-7.75	-7.74	-7.73	-7.72	-7.71	-7.70	-7.69	-7.68	-7.67
##	[9235]	-7.66	-7.65	-7.64	-7.63	-7.62	-7.61	-7.60	-7.59	-7.58
##	[9244]	-7.57	-7.56	-7.55	-7.54	-7.53	-7.52	-7.51	-7.50	-7.49
##	[9253]	-7.48	-7.47	-7.46	-7.45	-7.44	-7.43	-7.42	-7.41	-7.40
##	[9262]	-7.39	-7.38	-7.37	-7.36	-7.35	-7.34	-7.33	-7.32	-7.31
##	[9271]	-7.30	-7.29	-7.28	-7.27	-7.26	-7.25	-7.24	-7.23	-7.22
##	[9280]	-7.21	-7.20	-7.19	-7.18	-7.17	-7.16	-7.15	-7.14	-7.13
##	[9289]	-7.12	-7.11	-7.10	-7.09	-7.08	-7.07	-7.06	-7.05	-7.04
##	[9298]	-7.03	-7.02	-7.01	-7.00	-6.99	-6.98	-6.97	-6.96	-6.95
##	[9307]	-6.94	-6.93	-6.92	-6.91	-6.90	-6.89	-6.88	-6.87	-6.86
##	[9316]	-6.85	-6.84	-6.83	-6.82	-6.81	-6.80	-6.79	-6.78	-6.77
##	[9325]	-6.76	-6.75	-6.74	-6.73	-6.72	-6.71	-6.70	-6.69	-6.68
##	[9334]	-6.67	-6.66	-6.65	-6.64	-6.63	-6.62	-6.61	-6.60	-6.59
##	[9343]	-6.58	-6.57	-6.56	-6.55	-6.54	-6.53	-6.52	-6.51	-6.50
##	[9352]	-6.49	-6.48	-6.47	-6.46	-6.45	-6.44	-6.43	-6.42	-6.41
##	[9361]	-6.40	-6.39	-6.38	-6.37	-6.36	-6.35	-6.34	-6.33	-6.32
##	[9370]	-6.31	-6.30	-6.29	-6.28	-6.27	-6.26	-6.25	-6.24	-6.23
##	[9379]	-6.22	-6.21	-6.20	-6.19	-6.18	-6.17	-6.16	-6.15	-6.14
##	[9388]	-6.13	-6.12	-6.11	-6.10	-6.09	-6.08	-6.07	-6.06	-6.05
##	[9397]	-6.04	-6.03	-6.02	-6.01	-6.00	-5.99	-5.98	-5.97	-5.96
##	[9406]	-5.95	-5.94	-5.93	-5.92	-5.91	-5.90	-5.89	-5.88	-5.87
##	[9415]	-5.86	-5.85	-5.84	-5.83	-5.82	-5.81	-5.80	-5.79	-5.78
##	[9424]	-5.77	-5.76	-5.75	-5.74	-5.73	-5.72	-5.71	-5.70	-5.69
##	[9433]	-5.68	-5.67	-5.66	-5.65	-5.64	-5.63	-5.62	-5.61	-5.60
##	[9442]	-5.59	-5.58	-5.57	-5.56	-5.55	-5.54	-5.53	-5.52	-5.51
##	[9451]	-5.50	-5.49	-5.48	-5.47	-5.46	-5.45	-5.44	-5.43	-5.42
##	[9460]	-5.41	-5.40	-5.39	-5.38	-5.37	-5.36	-5.35	-5.34	-5.33
##	[9469]	-5.32	-5.31	-5.30	-5.29	-5.28	-5.27	-5.26	-5.25	-5.24
##	[9478]	-5.23	-5.22	-5.21	-5.20	-5.19	-5.18	-5.17	-5.16	-5.15
##	[9487]	-5.14	-5.13	-5.12	-5.11	-5.10	-5.09	-5.08	-5.07	-5.06
##	[9496]	-5.05	-5.04	-5.03	-5.02	-5.01	-5.00	-4.99	-4.98	-4.97
##	[9505]	-4.96	-4.95	-4.94	-4.93	-4.92	-4.91	-4.90	-4.89	-4.88
##	[9514]	-4.87	-4.86	-4.85	-4.84	-4.83	-4.82	-4.81	-4.80	-4.79
##	[9523]	-4.78	-4.77	-4.76	-4.75	-4.74	-4.73	-4.72	-4.71	-4.70
##	[9532]	-4.69	-4.68	-4.67	-4.66	-4.65	-4.64	-4.63	-4.62	-4.61
##	[9541]	-4.60	-4.59	-4.58	-4.57	-4.56	-4.55	-4.54	-4.53	-4.52
##	[9550]	-4.51	-4.50	-4.49	-4.48	-4.47	-4.46	-4.45	-4.44	-4.43
##	[9559]	-4.42	-4.41	-4.40	-4.39	-4.38	-4.37	-4.36	-4.35	-4.34


```
## [9568] -4.33 -4.32 -4.31 -4.30 -4.29 -4.28 -4.27 -4.26 -4.25
## [9577] -4.24 -4.23 -4.22 -4.21 -4.20 -4.19 -4.18 -4.17 -4.16
## [9586] -4.15 -4.14 -4.13 -4.12 -4.11 -4.10 -4.09 -4.08 -4.07
## [9595] -4.06 -4.05 -4.04 -4.03 -4.02 -4.01 -4.00 -3.99 -3.98
## [9604] -3.97 -3.96 -3.95 -3.94 -3.93 -3.92 -3.91 -3.90 -3.89
## [9613] -3.88 -3.87 -3.86 -3.85 -3.84 -3.83 -3.82 -3.81 -3.80
## [9622] -3.79 -3.78 -3.77 -3.76 -3.75 -3.74 -3.73 -3.72 -3.71
## [9631] -3.70 -3.69 -3.68 -3.67 -3.66 -3.65 -3.64 -3.63 -3.62
## [9640] -3.61 -3.60 -3.59 -3.58 -3.57 -3.56 -3.55 -3.54 -3.53
## [9649] -3.52 -3.51 -3.50 -3.49 -3.48 -3.47 -3.46 -3.45 -3.44
## [9658] -3.43 -3.42 -3.41 -3.40 -3.39 -3.38 -3.37 -3.36 -3.35
## [9667] -3.34 -3.33 -3.32 -3.31 -3.30 -3.29 -3.28 -3.27 -3.26
## [9676] -3.25 -3.24 -3.23 -3.22 -3.21 -3.20 -3.19 -3.18 -3.17
## [9685] -3.16 -3.15 -3.14 -3.13 -3.12 -3.11 -3.10 -3.09 -3.08
## [9694] -3.07 -3.06 -3.05 -3.04 -3.03 -3.02 -3.01 -3.00 -2.99
## [9703] -2.98 -2.97 -2.96 -2.95 -2.94 -2.93 -2.92 -2.91 -2.90
## [9712] -2.89 -2.88 -2.87 -2.86 -2.85 -2.84 -2.83 -2.82 -2.81
## [9721] -2.80 -2.79 -2.78 -2.77 -2.76 -2.75 -2.74 -2.73 -2.72
## [9730] -2.71 -2.70 -2.69 -2.68 -2.67 -2.66 -2.65 -2.64 -2.63
## [9739] -2.62 -2.61 -2.60 -2.59 -2.58 -2.57 -2.56 -2.55 -2.54
## [9748] -2.53 -2.52 -2.51 -2.50 -2.49 -2.48 -2.47 -2.46 -2.45
## [9757] -2.44 -2.43 -2.42 -2.41 -2.40 -2.39 -2.38 -2.37 -2.36
## [9766] -2.35 -2.34 -2.33 -2.32 -2.31 -2.30 -2.29 -2.28 -2.27
## [9775] -2.26 -2.25 -2.24 -2.23 -2.22 -2.21 -2.20 -2.19 -2.18
## [9784] -2.17 -2.16 -2.15 -2.14 -2.13 -2.12 -2.11 -2.10 -2.09
## [9793] -2.08 -2.07 -2.06 -2.05 -2.04 -2.03 -2.02 -2.01 -2.00
## [9802] -1.99 -1.98 -1.97 -1.96 -1.95 -1.94 -1.93 -1.92 -1.91
## [9811] -1.90 -1.89 -1.88 -1.87 -1.86 -1.85 -1.84 -1.83 -1.82
## [9820] -1.81 -1.80 -1.79 -1.78 -1.77 -1.76 -1.75 -1.74 -1.73
## [9829] -1.72 -1.71 -1.70 -1.69 -1.68 -1.67 -1.66 -1.65 -1.64
## [9838] -1.63 -1.62 -1.61 -1.60 -1.59 -1.58 -1.57 -1.56 -1.55
## [9847] -1.54 -1.53 -1.52 -1.51 -1.50 -1.49 -1.48 -1.47 -1.46
## [9856] -1.45 -1.44 -1.43 -1.42 -1.41 -1.40 -1.39 -1.38 -1.37
## [9865] -1.36 -1.35 -1.34 -1.33 -1.32 -1.31 -1.30 -1.29 -1.28
## [9874] -1.27 -1.26 -1.25 -1.24 -1.23 -1.22 -1.21 -1.20 -1.19
## [9883] -1.18 -1.17 -1.16 -1.15 -1.14 -1.13 -1.12 -1.11 -1.10
## [9892] -1.09 -1.08 -1.07 -1.06 -1.05 -1.04 -1.03 -1.02 -1.01
## [9901] -1.00 -0.99 -0.98 -0.97 -0.96 -0.95 -0.94 -0.93 -0.92
## [9910] -0.91 -0.90 -0.89 -0.88 -0.87 -0.86 -0.85 -0.84 -0.83
## [9919] -0.82 -0.81 -0.80 -0.79 -0.78 -0.77 -0.76 -0.75 -0.74
## [9928] -0.73 -0.72 -0.71 -0.70 -0.69 -0.68 -0.67 -0.66 -0.65
## [9937] -0.64 -0.63 -0.62 -0.61 -0.60 -0.59 -0.58 -0.57 -0.56
## [9946] -0.55 -0.54 -0.53 -0.52 -0.51 -0.50 -0.49 -0.48 -0.47
## [9955] -0.46 -0.45 -0.44 -0.43 -0.42 -0.41 -0.40 -0.39 -0.38
## [9964] -0.37 -0.36 -0.35 -0.34 -0.33 -0.32 -0.31 -0.30 -0.29
## [9973] -0.28 -0.27 -0.26 -0.25 -0.24 -0.23 -0.22 -0.21 -0.20
## [9982] -0.19 -0.18 -0.17 -0.16 -0.15 -0.14 -0.13 -0.12 -0.11
## [9991] -0.10 -0.09 -0.08 -0.07 -0.06 -0.05 -0.04 -0.03 -0.02
## [10000] -0.01 0.00
```

Great! Now, we need to define the function. To define a function in R, we use a special syntax which looks like this:

```
ridiculousfunction <- function(stuff){ sin(exp(cos(stuff))) }
```

We have to tell R that f is a function, as opposed to a data frame, a vector, or something else. We are telling R that the independent variable is inside of the cos() term. I could have named the independent variable something other than “stuff”. What we choose to call it is unimportant; its placement is what matters. The stuff in the brackets is the expression that gets evaluated to give us our value. If it doesn’t make sense yet, don’t worry - there will be lots of practice!

If you look in your “Environment” tab, you should now see x and f appearing in there. We can evaluate our function f at any value we like

```
ridiculousfunction(1.234)
```

```
## [1] 0.98399
```

```
ridiculousfunction(pi)
```

```
## [1] 0.3596376
```

```
ridiculousfunction(13*379)
```

```
## [1] 0.9854609
```

We can evaluate f at all of our x-values at once by simply doing this:

```
ridiculousfunction(x)
```

```
##      [1] 0.6982470 0.7068328 0.7154133 0.7239807 0.7325273 0.7410455 0.7495278
##      [8] 0.7579666 0.7663544 0.7746839 0.7829477 0.7911386 0.7992494 0.8072733
##     [15] 0.8152033 0.8230326 0.8307547 0.8383631 0.8458514 0.8532136 0.8604437
##     [22] 0.8675358 0.8744845 0.8812842 0.8879297 0.8944162 0.9007388 0.9068928
##     [29] 0.9128741 0.9186783 0.9243018 0.9297407 0.9349917 0.9400515 0.9449173
##     [36] 0.9495862 0.9540559 0.9583240 0.9623887 0.9662481 0.9699007 0.9733453
##     [43] 0.9765808 0.9796064 0.9824215 0.9850258 0.9874192 0.9896017 0.9915736
##     [50] 0.9933356 0.9948882 0.9962325 0.9973695 0.9983006 0.9990273 0.9995512
##     [57] 0.9998742 0.9999984 0.9999258 0.9996589 0.9992000 0.9985519 0.9977173
##     [64] 0.9966990 0.9955000 0.9941235 0.9925727 0.9908508 0.9889612 0.9869075
##     [71] 0.9846932 0.9823220 0.9797975 0.9771235 0.9743037 0.9713421 0.9682426
##     [78] 0.9650090 0.9616453 0.9581554 0.9545434 0.9508133 0.9469690 0.9430145
##     [85] 0.9389539 0.9347911 0.9305301 0.9261749 0.9217293 0.9171972 0.9125827
##     [92] 0.9078894 0.9031212 0.8982818 0.8933750 0.8884045 0.8833737 0.8782865
##     [99] 0.8731461 0.8679562 0.8627201 0.8574412 0.8521227 0.8467679 0.8413799
##    [106] 0.8359618 0.8305167 0.8250476 0.8195572 0.8140485 0.8085242 0.8029871
##    [113] 0.7974396 0.7918845 0.7863241 0.7807609 0.7751972 0.7696354 0.7640776
##    [120] 0.7585260 0.7529827 0.7474496 0.7419288 0.7364220 0.7309312 0.7254581
##    [127] 0.7200043 0.7145716 0.7091614 0.7037752 0.6984146 0.6930809 0.6877755
##    [134] 0.6824996 0.6772544 0.6720412 0.6668610 0.6617149 0.6566040 0.6515291
##    [141] 0.6464913 0.6414913 0.6365301 0.6316083 0.6267268 0.6218863 0.6170873
##    [148] 0.6123306 0.6076166 0.6029460 0.5983192 0.5937368 0.5891991 0.5847066
##    [155] 0.5802596 0.5758584 0.5715035 0.5671951 0.5629333 0.5587185 0.5545509
##    [162] 0.5504307 0.5463579 0.5423327 0.5383553 0.5344258 0.5305441 0.5267104
```

##	[169]	0.5229247	0.5191870	0.5154972	0.5118555	0.5082617	0.5047158	0.5012177
##	[176]	0.4977674	0.4943648	0.4910097	0.4877021	0.4844419	0.4812288	0.4780628
##	[183]	0.4749438	0.4718715	0.4688458	0.4658665	0.4629334	0.4600465	0.4572053
##	[190]	0.4544099	0.4516599	0.4489552	0.4462955	0.4436806	0.4411104	0.4385846
##	[197]	0.4361029	0.4336653	0.4312713	0.4289208	0.4266136	0.4243494	0.4221281
##	[204]	0.4199493	0.4178129	0.4157186	0.4136662	0.4116554	0.4096861	0.4077579
##	[211]	0.4058708	0.4040244	0.4022185	0.4004530	0.3987275	0.3970419	0.3953960
##	[218]	0.3937896	0.3922223	0.3906942	0.3892048	0.3877541	0.3863419	0.3849679
##	[225]	0.3836319	0.3823339	0.3810735	0.3798507	0.3786652	0.3775169	0.3764057
##	[232]	0.3753312	0.3742935	0.3732924	0.3723276	0.3713991	0.3705068	0.3696504
##	[239]	0.3688299	0.3680451	0.3672960	0.3665824	0.3659041	0.3652612	0.3646535
##	[246]	0.3640809	0.3635433	0.3630406	0.3625728	0.3621398	0.3617415	0.3613778
##	[253]	0.3610488	0.3607543	0.3604943	0.3602687	0.3600776	0.3599209	0.3597986
##	[260]	0.3597106	0.3596570	0.3596376	0.3596526	0.3597020	0.3597857	0.3599037
##	[267]	0.3600561	0.3602429	0.3604641	0.3607197	0.3610099	0.3613346	0.3616939
##	[274]	0.3620879	0.3625165	0.3629799	0.3634782	0.3640114	0.3645797	0.3651830
##	[281]	0.3658215	0.3664953	0.3672044	0.3679491	0.3687294	0.3695454	0.3703973
##	[288]	0.3712851	0.3722091	0.3731693	0.3741658	0.3751990	0.3762688	0.3773754
##	[295]	0.3785190	0.3796998	0.3809180	0.3821736	0.3834669	0.3847981	0.3861673
##	[302]	0.3875747	0.3890206	0.3905051	0.3920283	0.3935906	0.3951922	0.3968331
##	[309]	0.3985137	0.4002342	0.4019947	0.4037955	0.4056368	0.4075188	0.4094417
##	[316]	0.4114059	0.4134114	0.4154586	0.4175477	0.4196788	0.4218522	0.4240682
##	[323]	0.4263270	0.4286288	0.4309738	0.4333623	0.4357945	0.4382706	0.4407909
##	[330]	0.4433555	0.4459647	0.4486188	0.4513178	0.4540621	0.4568519	0.4596872
##	[337]	0.4625685	0.4654957	0.4684692	0.4714891	0.4745555	0.4776687	0.4808288
##	[344]	0.4840359	0.4872902	0.4905919	0.4939410	0.4973376	0.5007819	0.5042740
##	[351]	0.5078139	0.5114017	0.5150374	0.5187211	0.5224528	0.5262325	0.5300602
##	[358]	0.5339358	0.5378594	0.5418308	0.5458499	0.5499167	0.5540310	0.5581927
##	[365]	0.5624016	0.5666574	0.5709600	0.5753092	0.5797045	0.5841458	0.5886326
##	[372]	0.5931646	0.5977415	0.6023627	0.6070278	0.6117364	0.6164878	0.6212815
##	[379]	0.6261169	0.6309933	0.6359100	0.6408663	0.6458614	0.6508946	0.6559648
##	[386]	0.6610713	0.6662130	0.6713890	0.6765982	0.6818394	0.6871115	0.6924133
##	[393]	0.6977435	0.7031008	0.7084838	0.7138911	0.7193211	0.7247723	0.7302431
##	[400]	0.7357318	0.7412366	0.7467558	0.7522874	0.7578296	0.7633802	0.7689374
##	[407]	0.7744988	0.7800624	0.7856257	0.7911866	0.7967425	0.8022911	0.8078297
##	[414]	0.8133558	0.8188666	0.8243594	0.8298314	0.8352796	0.8407013	0.8460932
##	[421]	0.8514523	0.8567756	0.8620596	0.8673013	0.8724972	0.8776440	0.8827381
##	[428]	0.8877761	0.8927544	0.8976694	0.9025174	0.9072948	0.9119977	0.9166223
##	[435]	0.9211649	0.9256216	0.9299884	0.9342615	0.9384368	0.9425105	0.9464785
##	[442]	0.9503368	0.9540815	0.9577086	0.9612140	0.9645937	0.9678439	0.9709605
##	[449]	0.9739396	0.9767774	0.9794699	0.9820134	0.9844041	0.9866383	0.9887123
##	[456]	0.9906227	0.9923658	0.9939383	0.9953369	0.9965583	0.9975995	0.9984573
##	[463]	0.9991290	0.9996117	0.9999029	1.0000000	0.9999007	0.9996027	0.9991041
##	[470]	0.9984030	0.9974977	0.9963866	0.9950684	0.9935420	0.9918063	0.9898608
##	[477]	0.9877047	0.9853379	0.9827600	0.9799714	0.9769722	0.9737630	0.9703446
##	[484]	0.9667180	0.9628845	0.9588455	0.9546028	0.9501583	0.9455143	0.9406731
##	[491]	0.9356375	0.9304103	0.9249948	0.9193944	0.9136126	0.9076533	0.9015207
##	[498]	0.8952191	0.8887529	0.8821271	0.8753464	0.8684162	0.8613418	0.8541287
##	[505]	0.8467828	0.8393100	0.8317163	0.8240082	0.8161919	0.8082742	0.8002617
##	[512]	0.7921614	0.7839802	0.7757251	0.7674035	0.7590226	0.7505898	0.7421126
##	[519]	0.7335985	0.7250550	0.7164898	0.7079106	0.6993250	0.6907407	0.6821654
##	[526]	0.6736069	0.6650728	0.6565707	0.6481082	0.6396931	0.6313327	0.6230345
##	[533]	0.6148059	0.6066543	0.5985868	0.5906106	0.5827327	0.5749600	0.5672994
##	[540]	0.5597574	0.5523408	0.5450558	0.5379088	0.5309060	0.5240532	0.5173563

##	[547]	0.5108210	0.5044529	0.4982572	0.4922391	0.4864037	0.4807558	0.4753000
##	[554]	0.4700407	0.4649824	0.4601291	0.4554847	0.4510530	0.4468376	0.4428417
##	[561]	0.4390686	0.4355213	0.4322025	0.4291150	0.4262610	0.4236429	0.4212626
##	[568]	0.4191221	0.4172230	0.4155667	0.4141546	0.4129877	0.4120669	0.4113929
##	[575]	0.4109663	0.4107874	0.4108563	0.4111729	0.4117371	0.4125483	0.4136061
##	[582]	0.4149094	0.4164574	0.4182489	0.4202824	0.4225564	0.4250691	0.4278186
##	[589]	0.4308027	0.4340191	0.4374653	0.4411385	0.4450358	0.4491541	0.4534902
##	[596]	0.4580406	0.4628016	0.4677694	0.4729399	0.4783090	0.4838722	0.4896249
##	[603]	0.4955625	0.5016799	0.5079721	0.5144339	0.5210597	0.5278439	0.5347809
##	[610]	0.5418646	0.5490891	0.5564480	0.5639351	0.5715438	0.5792676	0.5870996
##	[617]	0.5950330	0.6030609	0.6111760	0.6193713	0.6276395	0.6359732	0.6443650
##	[624]	0.6528073	0.6612927	0.6698136	0.6783622	0.6869310	0.6955122	0.7040982
##	[631]	0.7126812	0.7212536	0.7298076	0.7383358	0.7468303	0.7552838	0.7636886
##	[638]	0.7720375	0.7803230	0.7885378	0.7966750	0.8047273	0.8126880	0.8205501
##	[645]	0.8283070	0.8359523	0.8434796	0.8508826	0.8581554	0.8652921	0.8722870
##	[652]	0.8791347	0.8858300	0.8923676	0.8987429	0.9049511	0.9109879	0.9168489
##	[659]	0.9225304	0.9280285	0.9333397	0.9384607	0.9433886	0.9481205	0.9526539
##	[666]	0.9569865	0.9611161	0.9650411	0.9687597	0.9722707	0.9755729	0.9786654
##	[673]	0.9815477	0.9842191	0.9866797	0.9889293	0.9909683	0.9927971	0.9944163
##	[680]	0.9958268	0.9970297	0.9980263	0.9988179	0.9994062	0.9997930	0.9999803
##	[687]	0.9999701	0.9997648	0.9993669	0.9987787	0.9980032	0.9970431	0.9959014
##	[694]	0.9945811	0.9930854	0.9914176	0.9895811	0.9875793	0.9854158	0.9830941
##	[701]	0.9806180	0.9779912	0.9752175	0.9723007	0.9692446	0.9660533	0.9627306
##	[708]	0.9592805	0.9557070	0.9520140	0.9482057	0.9442859	0.9402586	0.9361279
##	[715]	0.9318978	0.9275721	0.9231549	0.9186500	0.9140613	0.9093926	0.9046479
##	[722]	0.8998308	0.8949451	0.8899944	0.8849825	0.8799129	0.8747890	0.8696145
##	[729]	0.8643928	0.8591271	0.8538209	0.8484773	0.8430995	0.8376907	0.8322539
##	[736]	0.8267921	0.8213082	0.8158050	0.8102854	0.8047521	0.7992076	0.7936546
##	[743]	0.7880956	0.7825331	0.7769693	0.7714067	0.7658474	0.7602936	0.7547474
##	[750]	0.7492108	0.7436859	0.7381745	0.7326784	0.7271994	0.7217393	0.7162997
##	[757]	0.7108821	0.7054882	0.7001193	0.6947769	0.6894623	0.6841769	0.6789218
##	[764]	0.6736982	0.6685074	0.6633504	0.6582281	0.6531416	0.6480919	0.6430798
##	[771]	0.6381061	0.6331717	0.6282773	0.6234237	0.6186114	0.6138411	0.6091135
##	[778]	0.6044290	0.5997882	0.5951916	0.5906396	0.5861327	0.5816711	0.5772553
##	[785]	0.5728857	0.5685624	0.5642857	0.5600560	0.5558733	0.5517379	0.5476500
##	[792]	0.5436097	0.5396171	0.5356723	0.5317753	0.5279264	0.5241253	0.5203723
##	[799]	0.5166673	0.5130103	0.5094012	0.5058401	0.5023268	0.4988613	0.4954435
##	[806]	0.4920733	0.4887506	0.4854752	0.4822472	0.4790662	0.4759322	0.4728450
##	[813]	0.4698045	0.4668105	0.4638627	0.4609611	0.4581054	0.4552954	0.4525309
##	[820]	0.4498118	0.4471378	0.4445087	0.4419243	0.4393843	0.4368886	0.4344370
##	[827]	0.4320291	0.4296648	0.4273438	0.4250660	0.4228310	0.4206387	0.4184888
##	[834]	0.4163811	0.4143154	0.4122914	0.4103089	0.4083677	0.4064675	0.4046081
##	[841]	0.4027894	0.4010110	0.3992728	0.3975745	0.3959160	0.3942970	0.3927173
##	[848]	0.3911767	0.3896750	0.3882120	0.3867876	0.3854014	0.3840534	0.3827433
##	[855]	0.3814709	0.3802361	0.3790388	0.3778787	0.3767556	0.3756695	0.3746201
##	[862]	0.3736073	0.3726310	0.3716910	0.3707871	0.3699193	0.3690874	0.3682912
##	[869]	0.3675308	0.3668058	0.3661163	0.3654622	0.3648432	0.3642594	0.3637107
##	[876]	0.3631969	0.3627180	0.3622739	0.3618646	0.3614899	0.3611498	0.3608443
##	[883]	0.3605734	0.3603368	0.3601348	0.3599671	0.3598338	0.3597349	0.3596703
##	[890]	0.3596401	0.3596441	0.3596825	0.3597553	0.3598624	0.3600038	0.3601796
##	[897]	0.3603899	0.3606346	0.3609137	0.3612274	0.3615757	0.3619586	0.3623762
##	[904]	0.3628285	0.3633157	0.3638378	0.3643949	0.3649870	0.3656143	0.3662768
##	[911]	0.3669747	0.3677081	0.3684770	0.3692816	0.3701220	0.3709984	0.3719108
##	[918]	0.3728595	0.3738444	0.3748659	0.3759240	0.3770189	0.3781507	0.3793197

##	[925]	0.3805259	0.3817695	0.3830508	0.3843699	0.3857270	0.3871222	0.3885558
##	[932]	0.3900280	0.3915389	0.3930888	0.3946778	0.3963061	0.3979741	0.3996818
##	[939]	0.4014295	0.4032175	0.4050458	0.4069149	0.4088248	0.4107758	0.4127681
##	[946]	0.4148020	0.4168777	0.4189954	0.4211553	0.4233577	0.4256028	0.4278909
##	[953]	0.4302221	0.4325968	0.4350150	0.4374771	0.4399833	0.4425338	0.4451288
##	[960]	0.4477685	0.4504532	0.4531831	0.4559583	0.4587791	0.4616457	0.4645583
##	[967]	0.4675170	0.4705221	0.4735737	0.4766720	0.4798171	0.4830092	0.4862485
##	[974]	0.4895350	0.4928690	0.4962505	0.4996796	0.5031565	0.5066811	0.5102536
##	[981]	0.5138741	0.5175425	0.5212589	0.5250233	0.5288357	0.5326961	0.5366044
##	[988]	0.5405606	0.5445645	0.5486162	0.5527154	0.5568620	0.5610558	0.5652967
##	[995]	0.5695845	0.5739188	0.5782994	0.5827261	0.5871985	0.5917162	0.5962788
##	[1002]	0.6008859	0.6055371	0.6102319	0.6149697	0.6197500	0.6245722	0.6294356
##	[1009]	0.6343395	0.6392833	0.6442662	0.6492873	0.6543458	0.6594409	0.6645715
##	[1016]	0.6697367	0.6749353	0.6801665	0.6854289	0.6907213	0.6960427	0.7013915
##	[1023]	0.7067664	0.7121661	0.7175891	0.7230337	0.7284984	0.7339816	0.7394815
##	[1030]	0.7449963	0.7505242	0.7560632	0.7616114	0.7671667	0.7727270	0.7782901
##	[1037]	0.7838538	0.7894157	0.7949735	0.8005247	0.8060667	0.8115971	0.8171130
##	[1044]	0.8226119	0.8280908	0.8335469	0.8389774	0.8443791	0.8497490	0.8550840
##	[1051]	0.8603810	0.8656365	0.8708473	0.8760101	0.8811214	0.8861776	0.8911753
##	[1058]	0.8961109	0.9009807	0.9057809	0.9105080	0.9151580	0.9197271	0.9242116
##	[1065]	0.9286074	0.9329108	0.9371177	0.9412242	0.9452263	0.9491200	0.9529013
##	[1072]	0.9565663	0.9601108	0.9635310	0.9668229	0.9699825	0.9730058	0.9758890
##	[1079]	0.9786282	0.9812196	0.9836594	0.9859438	0.9880693	0.9900321	0.9918289
##	[1086]	0.9934561	0.9949105	0.9961887	0.9972876	0.9982041	0.9989354	0.9994786
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##	[1100]	0.9967629	0.9955108	0.9940508	0.9923819	0.9905033	0.9884144	0.9861147
##	[1107]	0.9836040	0.9808825	0.9779503	0.9748079	0.9714561	0.9678957	0.9641280
##	[1114]	0.9601543	0.9559763	0.9515958	0.9470151	0.9422364	0.9372624	0.9320959
##	[1121]	0.9267401	0.9211981	0.9154737	0.9095705	0.9034927	0.8972444	0.8908302
##	[1128]	0.8842547	0.8775228	0.8706396	0.8636105	0.8564410	0.8491368	0.8417037
##	[1135]	0.8341479	0.8264755	0.8186930	0.8108068	0.8028238	0.7947507	0.7865945
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##	[1149]	0.7192200	0.7106444	0.7020600	0.6934744	0.6848955	0.6763308	0.6677880
##	[1156]	0.6592749	0.6507990	0.6423680	0.6339893	0.6256705	0.6174190	0.6092420
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##	[1177]	0.5002117	0.4941365	0.4882424	0.4825342	0.4770167	0.4716944	0.4665716
##	[1184]	0.4616526	0.4569412	0.4524414	0.4481566	0.4440905	0.4402461	0.4366265
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##	[1233]	0.5059492	0.5123575	0.5189317	0.5256661	0.5325550	0.5395927	0.5467730
##	[1240]	0.5540897	0.5615367	0.5691074	0.5767953	0.5845935	0.5924954	0.6004939
##	[1247]	0.6085820	0.6167526	0.6249984	0.6333120	0.6416861	0.6501132	0.6585857
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##	[1282]	0.8903026	0.8967301	0.9029920	0.9090838	0.9150013	0.9207404	0.9262973
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##	[1681]	0.8691926	0.8743710	0.8794991	0.8845732	0.8895900	0.8945458	0.8994369
##	[1688]	0.9042597	0.9090104	0.9136854	0.9182807	0.9227926	0.9272171	0.9315503
##	[1695]	0.9357884	0.9399273	0.9439630	0.9478917	0.9517093	0.9554117	0.9589951
##	[1702]	0.9624553	0.9657885	0.9689907	0.9720578	0.9749861	0.9777716	0.9804105
##	[1709]	0.9828989	0.9852332	0.9874097	0.9894248	0.9912748	0.9929564	0.9944662
##	[1716]	0.9958008	0.9969572	0.9979322	0.9987228	0.9993262	0.9997397	0.9999607
##	[1723]	0.9999868	0.9998156	0.9994451	0.9988732	0.9980981	0.9971183	0.9959322
##	[1730]	0.9945385	0.9929363	0.9911245	0.9891026	0.9868701	0.9844267	0.9817723
##	[1737]	0.9789071	0.9758317	0.9725465	0.9690524	0.9653505	0.9614423	0.9573291
##	[1744]	0.9530130	0.9484958	0.9437799	0.9388678	0.9337623	0.9284664	0.9229834
##	[1751]	0.9173167	0.9114700	0.9054474	0.8992529	0.8928910	0.8863664	0.8796837
##	[1758]	0.8728482	0.8658650	0.8587396	0.8514777	0.8440850	0.8365676	0.8289316
##	[1765]	0.8211835	0.8133297	0.8053768	0.7973316	0.7892011	0.7809922	0.7727122
##	[1772]	0.7643682	0.7559676	0.7475179	0.7390264	0.7305007	0.7219485	0.7133773
##	[1779]	0.7047948	0.6962088	0.6876269	0.6790569	0.6705063	0.6619829	0.6534943
##	[1786]	0.6450482	0.6366520	0.6283133	0.6200396	0.6118381	0.6037162	0.5956810
##	[1793]	0.5877396	0.5798991	0.5721663	0.5645480	0.5570508	0.5496812	0.5424456
##	[1800]	0.5353502	0.5284012	0.5216043	0.5149654	0.5084902	0.5021840	0.4960522
##	[1807]	0.4900999	0.4843319	0.4787532	0.4733682	0.4681814	0.4631971	0.4584191
##	[1814]	0.4538515	0.4494979	0.4453618	0.4414464	0.4377549	0.4342902	0.4310551
##	[1821]	0.4280520	0.4252834	0.4227514	0.4204580	0.4184049	0.4165937	0.4150259
##	[1828]	0.4137027	0.4126250	0.4117937	0.4112095	0.4108727	0.4107838	0.4109426
##	[1835]	0.4113491	0.4120030	0.4129038	0.4140508	0.4154430	0.4170795	0.4189590
##	[1842]	0.4210800	0.4234409	0.4260398	0.4288747	0.4319434	0.4352435	0.4387723
##	[1849]	0.4425272	0.4465051	0.4507029	0.4551172	0.4597444	0.4645809	0.4696228
##	[1856]	0.4748658	0.4803059	0.4859384	0.4917588	0.4977622	0.5039437	0.5102980
##	[1863]	0.5168199	0.5235039	0.5303442	0.5373352	0.5444707	0.5517447	0.5591509
##	[1870]	0.5666829	0.5743341	0.5820980	0.5899676	0.5979361	0.6059964	0.6141415
##	[1877]	0.6223641	0.6306569	0.6390126	0.6474236	0.6558824	0.6643816	0.6729134
##	[1884]	0.6814703	0.6900444	0.6986283	0.7072141	0.7157941	0.7243607	0.7329062
##	[1891]	0.7414230	0.7499035	0.7583402	0.7667256	0.7750523	0.7833130	0.7915005
##	[1898]	0.7996077	0.8076275	0.8155532	0.8233779	0.8310951	0.8386982	0.8461811
##	[1905]	0.8535375	0.8607616	0.8678475	0.8747896	0.8815826	0.8882212	0.8947005
##	[1912]	0.9010157	0.9071621	0.9131356	0.9189319	0.9245472	0.9299779	0.9352204
##	[1919]	0.9402717	0.9451288	0.9497889	0.9542497	0.9585088	0.9625644	0.9664147
##	[1926]	0.9700581	0.9734934	0.9767196	0.9797358	0.9825416	0.9851366	0.9875206
##	[1933]	0.9896937	0.9916563	0.9934089	0.9949523	0.9962873	0.9974152	0.9983372
##	[1940]	0.9990548	0.9995698	0.9998839	0.9999993	0.9999181	0.9996425	0.9991753
##	[1947]	0.9985188	0.9976759	0.9966496	0.9954426	0.9940583	0.9924998	0.9907704
##	[1954]	0.9888735	0.9868126	0.9845912	0.9822131	0.9796819	0.9770013	0.9741752
##	[1961]	0.9712074	0.9681018	0.9648623	0.9614929	0.9579976	0.9543803	0.9506450
##	[1968]	0.9467957	0.9428364	0.9387712	0.9346040	0.9303387	0.9259793	0.9215298
##	[1975]	0.9169940	0.9123759	0.9076792	0.9029077	0.8980653	0.8931556	0.8881823
##	[1982]	0.8831490	0.8780593	0.8729167	0.8677247	0.8624866	0.8572058	0.8518856
##	[1989]	0.8465293	0.8411399	0.8357206	0.8302744	0.8248042	0.8193130	0.8138035
##	[1996]	0.8082786	0.8027409	0.7971931	0.7916376	0.7860771	0.7805138	0.7749502
##	[2003]	0.7693885	0.7638309	0.7582797	0.7527367	0.7472042	0.7416839	0.7361779
##	[2010]	0.7306878	0.7252155	0.7197626	0.7143308	0.7089217	0.7035366	0.6981772
##	[2017]	0.6928447	0.6875406	0.6822660	0.6770222	0.6718105	0.6666318	0.6614872
##	[2024]	0.6563778	0.6513046	0.6462684	0.6412702	0.6363107	0.6313907	0.6265110
##	[2031]	0.6216723	0.6168752	0.6121203	0.6074083	0.6027396	0.5981148	0.5935343
##	[2038]	0.5889986	0.5845081	0.5800632	0.5756641	0.5713112	0.5670048	0.5627451
##	[2045]	0.5585325	0.5543670	0.5502488	0.5461781	0.5421551	0.5381798	0.5342524
##	[2052]	0.5303729	0.5265413	0.5227577	0.5190221	0.5153345	0.5116949	0.5081032

##	[2059]	0.5045594	0.5010635	0.4976153	0.4942148	0.4908618	0.4875563	0.4842982
##	[2066]	0.4810872	0.4779233	0.4748064	0.4717361	0.4687125	0.4657353	0.4628043
##	[2073]	0.4599193	0.4570802	0.4542868	0.4515388	0.4488361	0.4461784	0.4435656
##	[2080]	0.4409973	0.4384735	0.4359938	0.4335580	0.4311660	0.4288174	0.4265122
##	[2087]	0.4242499	0.4220304	0.4198535	0.4177190	0.4156266	0.4135760	0.4115671
##	[2094]	0.4095996	0.4076733	0.4057879	0.4039434	0.4021393	0.4003755	0.3986518
##	[2101]	0.3969680	0.3953239	0.3937191	0.3921537	0.3906272	0.3891396	0.3876906
##	[2108]	0.3862800	0.3849077	0.3835735	0.3822771	0.3810184	0.3797973	0.3786134
##	[2115]	0.3774668	0.3763572	0.3752844	0.3742483	0.3732488	0.3722856	0.3713587
##	[2122]	0.3704680	0.3696132	0.3687943	0.3680111	0.3672635	0.3665515	0.3658748
##	[2129]	0.3652335	0.3646273	0.3640562	0.3635202	0.3630191	0.3625528	0.3621213
##	[2136]	0.3617246	0.3613625	0.3610350	0.3607420	0.3604835	0.3602595	0.3600699
##	[2143]	0.3599148	0.3597940	0.3597075	0.3596554	0.3596376	0.3596541	0.3597050
##	[2150]	0.3597902	0.3599097	0.3600636	0.3602520	0.3604747	0.3607319	0.3610236
##	[2157]	0.3613498	0.3617107	0.3621062	0.3625364	0.3630013	0.3635012	0.3640359
##	[2164]	0.3646057	0.3652106	0.3658507	0.3665260	0.3672368	0.3679830	0.3687649
##	[2171]	0.3695825	0.3704359	0.3713254	0.3722509	0.3732127	0.3742109	0.3752457
##	[2178]	0.3763171	0.3774254	0.3785707	0.3797531	0.3809729	0.3822302	0.3835252
##	[2185]	0.3848581	0.3862290	0.3876381	0.3890857	0.3905719	0.3920969	0.3936609
##	[2192]	0.3952642	0.3969069	0.3985893	0.4003115	0.4020738	0.4038764	0.4057195
##	[2199]	0.4076033	0.4095281	0.4114941	0.4135015	0.4155505	0.4176414	0.4197744
##	[2206]	0.4219497	0.4241676	0.4264283	0.4287320	0.4310789	0.4334694	0.4359035
##	[2213]	0.4383816	0.4409038	0.4434704	0.4460816	0.4487377	0.4514387	0.4541851
##	[2220]	0.4569768	0.4598142	0.4626975	0.4656268	0.4686023	0.4716242	0.4746928
##	[2227]	0.4778080	0.4809702	0.4841794	0.4874358	0.4907396	0.4940908	0.4974896
##	[2234]	0.5009360	0.5044302	0.5079722	0.5115621	0.5152000	0.5188858	0.5226196
##	[2241]	0.5264014	0.5302313	0.5341090	0.5380347	0.5420082	0.5460295	0.5500984
##	[2248]	0.5542148	0.5583786	0.5625896	0.5668475	0.5711522	0.5755034	0.5799008
##	[2255]	0.5843440	0.5888329	0.5933669	0.5979458	0.6025690	0.6072360	0.6119465
##	[2262]	0.6166998	0.6214953	0.6263325	0.6312107	0.6361292	0.6410873	0.6460842
##	[2269]	0.6511190	0.6561909	0.6612989	0.6664422	0.6716196	0.6768302	0.6820728
##	[2276]	0.6873463	0.6926494	0.6979808	0.7033393	0.7087234	0.7141317	0.7195627
##	[2283]	0.7250148	0.7304865	0.7359759	0.7414814	0.7470012	0.7525333	0.7580759
##	[2290]	0.7636269	0.7691843	0.7747458	0.7803094	0.7858727	0.7914334	0.7969891
##	[2297]	0.8025373	0.8080754	0.8136008	0.8191109	0.8246028	0.8300738	0.8355210
##	[2304]	0.8409414	0.8463319	0.8516895	0.8570111	0.8622933	0.8675330	0.8727268
##	[2311]	0.8778713	0.8829630	0.8879985	0.8929740	0.8978861	0.9027311	0.9075052
##	[2318]	0.9122047	0.9168258	0.9213647	0.9258175	0.9301802	0.9344490	0.9386199
##	[2325]	0.9426890	0.9466522	0.9505056	0.9542451	0.9578668	0.9613668	0.9647408
##	[2332]	0.9679852	0.9710957	0.9740687	0.9769000	0.9795860	0.9821228	0.9845066
##	[2339]	0.9867338	0.9888007	0.9907036	0.9924393	0.9940041	0.9953949	0.9966084
##	[2346]	0.9976415	0.9984911	0.9991545	0.9996288	0.9999114	0.9999998	0.9998917
##	[2353]	0.9995849	0.9990773	0.9983672	0.9974527	0.9963324	0.9950050	0.9934693
##	[2360]	0.9917244	0.9897695	0.9876041	0.9852279	0.9826407	0.9798426	0.9768341
##	[2367]	0.9736156	0.9701880	0.9665522	0.9627095	0.9586614	0.9544097	0.9499563
##	[2374]	0.9453035	0.9404536	0.9354094	0.9301738	0.9247500	0.9191414	0.9133517
##	[2381]	0.9073846	0.9012444	0.8949354	0.8884621	0.8818292	0.8750418	0.8681051
##	[2388]	0.8610244	0.8538053	0.8464536	0.8389753	0.8313764	0.8236633	0.8158424
##	[2395]	0.8079203	0.7999038	0.7917997	0.7836151	0.7753569	0.7670325	0.7586492
##	[2402]	0.7502143	0.7417352	0.7332196	0.7246750	0.7161091	0.7075294	0.6989437
##	[2409]	0.6903596	0.6817849	0.6732273	0.6646945	0.6561940	0.6477335	0.6393206
##	[2416]	0.6309628	0.6226675	0.6144422	0.6062942	0.5982306	0.5902586	0.5823852
##	[2423]	0.5746174	0.5669619	0.5594254	0.5520144	0.5447355	0.5375948	0.5305984
##	[2430]	0.5237524	0.5170626	0.5105347	0.5041741	0.4979861	0.4919761	0.4861489

##	[2437]	0.4805094	0.4750622	0.4698118	0.4647625	0.4599184	0.4552834	0.4508612
##	[2444]	0.4466554	0.4426694	0.4389063	0.4353690	0.4320605	0.4289833	0.4261397
##	[2451]	0.4235321	0.4211625	0.4190327	0.4171443	0.4154988	0.4140976	0.4129416
##	[2458]	0.4120317	0.4113687	0.4109531	0.4107852	0.4108651	0.4111927	0.4117679
##	[2465]	0.4125901	0.4136587	0.4149730	0.4165318	0.4183341	0.4203783	0.4226629
##	[2472]	0.4251862	0.4279462	0.4309407	0.4341673	0.4376236	0.4413068	0.4452140
##	[2479]	0.4493421	0.4536878	0.4582476	0.4630179	0.4679948	0.4731742	0.4785519
##	[2486]	0.4841237	0.4898847	0.4958304	0.5019557	0.5082555	0.5147247	0.5213576
##	[2493]	0.5281488	0.5350924	0.5421825	0.5494130	0.5567778	0.5642705	0.5718844
##	[2500]	0.5796131	0.5874498	0.5953876	0.6034194	0.6115383	0.6197370	0.6280082
##	[2507]	0.6363447	0.6447389	0.6531833	0.6616704	0.6701927	0.6787424	0.6873119
##	[2514]	0.6958935	0.7044795	0.7130622	0.7216339	0.7301870	0.7387137	0.7472066
##	[2521]	0.7556581	0.7640606	0.7724068	0.7806893	0.7889009	0.7970344	0.8050828
##	[2528]	0.8130392	0.8208968	0.8286490	0.8362891	0.8438110	0.8512084	0.8584752
##	[2535]	0.8656058	0.8725943	0.8794353	0.8861237	0.8926542	0.8990222	0.9052229
##	[2542]	0.9112519	0.9171051	0.9227785	0.9282683	0.9335711	0.9386837	0.9436029
##	[2549]	0.9483261	0.9528506	0.9571742	0.9612948	0.9652106	0.9689201	0.9724218
##	[2556]	0.9757147	0.9787979	0.9816708	0.9843329	0.9867841	0.9890244	0.9910540
##	[2563]	0.9928734	0.9944834	0.9958846	0.9970784	0.9980658	0.9988483	0.9994276
##	[2570]	0.9998055	0.9999840	0.9999651	0.9997512	0.9993448	0.9987483	0.9979645
##	[2577]	0.9969962	0.9958465	0.9945183	0.9930149	0.9913396	0.9894957	0.9874866
##	[2584]	0.9853160	0.9829874	0.9805045	0.9778711	0.9750910	0.9721679	0.9691057
##	[2591]	0.9659085	0.9625801	0.9591244	0.9555455	0.9518473	0.9480339	0.9441093
##	[2598]	0.9400774	0.9359422	0.9317077	0.9273779	0.9229567	0.9184479	0.9138556
##	[2605]	0.9091835	0.9044355	0.8996153	0.8947266	0.8897731	0.8847586	0.8796864
##	[2612]	0.8745603	0.8693836	0.8641599	0.8588923	0.8535844	0.8482392	0.8428600
##	[2619]	0.8374499	0.8320119	0.8265490	0.8210642	0.8155603	0.8100400	0.8045061
##	[2626]	0.7989612	0.7934079	0.7878487	0.7822860	0.7767223	0.7711597	0.7656006
##	[2633]	0.7600471	0.7545013	0.7489652	0.7434408	0.7379301	0.7324347	0.7269566
##	[2640]	0.7214973	0.7160586	0.7106421	0.7052492	0.6998815	0.6945403	0.6892270
##	[2647]	0.6839428	0.6786891	0.6734670	0.6682777	0.6631221	0.6580015	0.6529166
##	[2654]	0.6478685	0.6428581	0.6378862	0.6329535	0.6280609	0.6232091	0.6183986
##	[2661]	0.6136303	0.6089045	0.6042220	0.5995832	0.5949885	0.5904385	0.5859336
##	[2668]	0.5814740	0.5770603	0.5726927	0.5683715	0.5640969	0.5598692	0.5556887
##	[2675]	0.5515554	0.5474696	0.5434314	0.5394409	0.5354982	0.5316034	0.5277565
##	[2682]	0.5239577	0.5202068	0.5165039	0.5128490	0.5092421	0.5056830	0.5021719
##	[2689]	0.4987085	0.4952928	0.4919247	0.4886041	0.4853309	0.4821049	0.4789260
##	[2696]	0.4757941	0.4727090	0.4696706	0.4666786	0.4637329	0.4608333	0.4579796
##	[2703]	0.4551716	0.4524092	0.4496921	0.4470201	0.4443930	0.4418105	0.4392726
##	[2710]	0.4367788	0.4343291	0.4319232	0.4295608	0.4272418	0.4249658	0.4227328
##	[2717]	0.4205423	0.4183943	0.4162885	0.4142246	0.4122025	0.4102218	0.4082824
##	[2724]	0.4063840	0.4045265	0.4027095	0.4009330	0.3991965	0.3975000	0.3958433
##	[2731]	0.3942260	0.3926481	0.3911092	0.3896092	0.3881480	0.3867252	0.3853407
##	[2738]	0.3839944	0.3826860	0.3814153	0.3801822	0.3789865	0.3778280	0.3767066
##	[2745]	0.3756221	0.3745744	0.3735632	0.3725885	0.3716501	0.3707478	0.3698816
##	[2752]	0.3690512	0.3682567	0.3674978	0.3667745	0.3660865	0.3654339	0.3648166
##	[2759]	0.3642343	0.3636871	0.3631749	0.3626976	0.3622550	0.3618472	0.3614741
##	[2766]	0.3611355	0.3608316	0.3605621	0.3603271	0.3601266	0.3599605	0.3598287
##	[2773]	0.3597313	0.3596682	0.3596395	0.3596451	0.3596850	0.3597593	0.3598679
##	[2780]	0.3600109	0.3601882	0.3604000	0.3606462	0.3609269	0.3612422	0.3615920
##	[2787]	0.3619764	0.3623955	0.3628494	0.3633382	0.3638618	0.3644204	0.3650141
##	[2794]	0.3656429	0.3663071	0.3670065	0.3677415	0.3685120	0.3693182	0.3701602
##	[2801]	0.3710382	0.3719522	0.3729024	0.3738890	0.3749121	0.3759718	0.3770684
##	[2808]	0.3782018	0.3793724	0.3805803	0.3818256	0.3831086	0.3844294	0.3857881

##	[2815]	0.3871851	0.3886204	0.3900943	0.3916069	0.3931585	0.3947492	0.3963794
##	[2822]	0.3980491	0.3997586	0.4015081	0.4032978	0.4051280	0.4069988	0.4089105
##	[2829]	0.4108634	0.4128575	0.4148933	0.4169708	0.4190904	0.4212522	0.4234565
##	[2836]	0.4257035	0.4279935	0.4303267	0.4327032	0.4351234	0.4375875	0.4400956
##	[2843]	0.4426481	0.4452450	0.4478868	0.4505735	0.4533053	0.4560826	0.4589055
##	[2850]	0.4617741	0.4646887	0.4676495	0.4706566	0.4737103	0.4768106	0.4799578
##	[2857]	0.4831521	0.4863934	0.4896821	0.4930182	0.4964018	0.4998330	0.5033120
##	[2864]	0.5068388	0.5104134	0.5140360	0.5177065	0.5214251	0.5251916	0.5290061
##	[2871]	0.5328686	0.5367791	0.5407374	0.5447434	0.5487972	0.5528985	0.5570472
##	[2878]	0.5612431	0.5654861	0.5697760	0.5741124	0.5784951	0.5829238	0.5873981
##	[2885]	0.5919178	0.5964824	0.6010915	0.6057447	0.6104414	0.6151811	0.6199632
##	[2892]	0.6247873	0.6296525	0.6345582	0.6395038	0.6444884	0.6495112	0.6545713
##	[2899]	0.6596680	0.6648001	0.6699668	0.6751670	0.6803995	0.6856633	0.6909571
##	[2906]	0.6962796	0.7016296	0.7070057	0.7124065	0.7178304	0.7232760	0.7287416
##	[2913]	0.7342255	0.7397261	0.7452415	0.7507699	0.7563094	0.7618579	0.7674135
##	[2920]	0.7729740	0.7785372	0.7841008	0.7896626	0.7952202	0.8007710	0.8063126
##	[2927]	0.8118423	0.8173576	0.8228556	0.8283336	0.8337887	0.8392179	0.8446183
##	[2934]	0.8499867	0.8553201	0.8606152	0.8658689	0.8710776	0.8762382	0.8813471
##	[2941]	0.8864008	0.8913959	0.8963286	0.9011953	0.9059924	0.9107161	0.9153626
##	[2948]	0.9199281	0.9244087	0.9288005	0.9330997	0.9373022	0.9414041	0.9454015
##	[2955]	0.9492903	0.9530666	0.9567263	0.9602654	0.9636800	0.9669661	0.9701197
##	[2962]	0.9731369	0.9760138	0.9787465	0.9813312	0.9837641	0.9860416	0.9881599
##	[2969]	0.9901155	0.9919048	0.9935244	0.9949710	0.9962413	0.9973322	0.9982406
##	[2976]	0.9989636	0.9994984	0.9998423	0.9999928	0.9999476	0.9997043	0.9992609
##	[2983]	0.9986155	0.9977663	0.9967117	0.9954504	0.9939812	0.9923030	0.9904150
##	[2990]	0.9883167	0.9860077	0.9834877	0.9807568	0.9778152	0.9746635	0.9713024
##	[2997]	0.9677328	0.9639559	0.9599731	0.9557860	0.9513966	0.9468070	0.9420196
##	[3004]	0.9370370	0.9318621	0.9264979	0.9209478	0.9152153	0.9093043	0.9032188
##	[3011]	0.8969631	0.8905416	0.8839590	0.8772203	0.8703305	0.8632951	0.8561195
##	[3018]	0.8488094	0.8413707	0.8338096	0.8261322	0.8183449	0.8104543	0.8024672
##	[3025]	0.7943902	0.7862305	0.7779949	0.7696909	0.7613255	0.7529062	0.7444404
##	[3032]	0.7359356	0.7273994	0.7188394	0.7102633	0.7016787	0.6930933	0.6845148
##	[3039]	0.6759509	0.6674093	0.6588977	0.6504236	0.6419947	0.6336186	0.6253026
##	[3046]	0.6170542	0.6088808	0.6007895	0.5927875	0.5848820	0.5770798	0.5693878
##	[3053]	0.5618127	0.5543610	0.5470393	0.5398539	0.5328109	0.5259164	0.5191762
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##	[3067]	0.4714626	0.4663488	0.4614389	0.4567369	0.4522465	0.4479714	0.4439150
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##	[3088]	0.4110586	0.4108118	0.4108127	0.4110615	0.4115578	0.4123014	0.4132916
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##	[3123]	0.5399085	0.5470950	0.5544177	0.5618703	0.5694464	0.5771393	0.5849423
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##	[3200]	0.9999924	0.9998404	0.9994950	0.9989587	0.9982343	0.9973245	0.9962322
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##	[3228]	0.9330670	0.9287672	0.9243746	0.9198934	0.9153273	0.9106802	0.9059559
##	[3235]	0.9011583	0.8962910	0.8913578	0.8863623	0.8813081	0.8761988	0.8710378
##	[3242]	0.8658287	0.8605747	0.8552793	0.8499456	0.8445769	0.8391763	0.8337469
##	[3249]	0.8282916	0.8228135	0.8173153	0.8118000	0.8062701	0.8007284	0.7951775
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##	[3284]	0.6394657	0.6345204	0.6296150	0.6247501	0.6199264	0.6151445	0.6104052
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##	[3312]	0.5176782	0.5140080	0.5103858	0.5068115	0.5032851	0.4998065	0.4963756
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##	[3963]	0.4460614	0.4434506	0.4408843	0.4383624	0.4358847	0.4334509	0.4310608
##	[3970]	0.4287141	0.4264108	0.4241504	0.4219329	0.4197579	0.4176252	0.4155346
##	[3977]	0.4134859	0.4114788	0.4095132	0.4075887	0.4057052	0.4038624	0.4020601
##	[3984]	0.4002981	0.3985762	0.3968942	0.3952518	0.3936488	0.3920850	0.3905603
##	[3991]	0.3890744	0.3876271	0.3862183	0.3848477	0.3835151	0.3822204	0.3809634
##	[3998]	0.3797439	0.3785617	0.3774167	0.3763087	0.3752376	0.3742031	0.3732052
##	[4005]	0.3722437	0.3713184	0.3704293	0.3695761	0.3687587	0.3679772	0.3672312
##	[4012]	0.3665207	0.3658456	0.3652058	0.3646012	0.3640317	0.3634972	0.3629976
##	[4019]	0.3625329	0.3621030	0.3617078	0.3613472	0.3610212	0.3607298	0.3604729
##	[4026]	0.3602504	0.3600623	0.3599087	0.3597894	0.3597044	0.3596538	0.3596376
##	[4033]	0.3596556	0.3597080	0.3597947	0.3599158	0.3600713	0.3602611	0.3604854
##	[4040]	0.3607441	0.3610373	0.3613651	0.3617275	0.3621245	0.3625563	0.3630228
##	[4047]	0.3635242	0.3640605	0.3646318	0.3652383	0.3658799	0.3665568	0.3672691
##	[4054]	0.3680170	0.3688004	0.3696196	0.3704747	0.3713657	0.3722929	0.3732563
##	[4061]	0.3742561	0.3752925	0.3763655	0.3774755	0.3786224	0.3798065	0.3810280
##	[4068]	0.3822869	0.3835836	0.3849181	0.3862907	0.3877016	0.3891509	0.3906388
##	[4075]	0.3921655	0.3937313	0.3953363	0.3969808	0.3986649	0.4003889	0.4021530
##	[4082]	0.4039574	0.4058023	0.4076879	0.4096145	0.4115823	0.4135916	0.4156425
##	[4089]	0.4177352	0.4198701	0.4220473	0.4242671	0.4265297	0.4288353	0.4311842
##	[4096]	0.4335765	0.4360126	0.4384927	0.4410169	0.4435854	0.4461986	0.4488567
##	[4103]	0.4515597	0.4543081	0.4571018	0.4599413	0.4628266	0.4657579	0.4687355
##	[4110]	0.4717595	0.4748301	0.4779474	0.4811117	0.4843230	0.4875815	0.4908874
##	[4117]	0.4942407	0.4976416	0.5010901	0.5045865	0.5081306	0.5117226	0.5153626
##	[4124]	0.5190506	0.5227865	0.5265705	0.5304025	0.5342824	0.5382102	0.5421858
##	[4131]	0.5462092	0.5502802	0.5543987	0.5585646	0.5627777	0.5670377	0.5713444
##	[4138]	0.5756977	0.5800971	0.5845424	0.5890333	0.5935693	0.5981501	0.6027753
##	[4145]	0.6074443	0.6121567	0.6169118	0.6217093	0.6265483	0.6314283	0.6363486
##	[4152]	0.6413084	0.6463069	0.6513434	0.6564169	0.6615266	0.6666714	0.6718503
##	[4159]	0.6770624	0.6823064	0.6875812	0.6928856	0.6982182	0.7035779	0.7089631
##	[4166]	0.7143724	0.7198044	0.7252574	0.7307299	0.7362201	0.7417262	0.7472466
##	[4173]	0.7527792	0.7583222	0.7638736	0.7694312	0.7749929	0.7805565	0.7861198
##	[4180]	0.7916803	0.7972357	0.8027835	0.8083211	0.8138459	0.8193552	0.8248463
##	[4187]	0.8303163	0.8357623	0.8411814	0.8465705	0.8519266	0.8572465	0.8625270
##	[4194]	0.8677647	0.8729564	0.8780986	0.8831879	0.8882207	0.8931935	0.8981027
##	[4201]	0.9029446	0.9077155	0.9124116	0.9170292	0.9215643	0.9260131	0.9303718
##	[4208]	0.9346363	0.9388028	0.9428672	0.9468257	0.9506741	0.9544085	0.9580249
##	[4215]	0.9615193	0.9648877	0.9681262	0.9712307	0.9741974	0.9770224	0.9797019
##	[4222]	0.9822320	0.9846089	0.9868290	0.9888887	0.9907843	0.9925124	0.9940696
##	[4229]	0.9954526	0.9966581	0.9976831	0.9985246	0.9991796	0.9996454	0.9999194
##	[4236]	0.9999992	0.9998823	0.9995666	0.9990501	0.9983309	0.9974073	0.9962779
##	[4243]	0.9949413	0.9933963	0.9916421	0.9896778	0.9875031	0.9851174	0.9825209
##	[4250]	0.9797135	0.9766956	0.9734678	0.9700309	0.9663859	0.9625341	0.9584769
##	[4257]	0.9542162	0.9497539	0.9450922	0.9402337	0.9351809	0.9299369	0.9245048
##	[4264]	0.9188881	0.9130904	0.9071156	0.9009678	0.8946514	0.8881709	0.8815310
##	[4271]	0.8747369	0.8677936	0.8607067	0.8534816	0.8461241	0.8386403	0.8310362
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##	[4285]	0.7666614	0.7582756	0.7498386	0.7413578	0.7328407	0.7242950	0.7157283
##	[4292]	0.7071482	0.6985624	0.6899786	0.6814045	0.6728478	0.6643162	0.6558174
##	[4299]	0.6473588	0.6389482	0.6305930	0.6223007	0.6140787	0.6059342	0.5978746
##	[4306]	0.5899068	0.5820380	0.5742750	0.5666246	0.5590936	0.5516883	0.5444154
##	[4313]	0.5372810	0.5302912	0.5234520	0.5167693	0.5102486	0.5038956	0.4977154
##	[4320]	0.4917134	0.4858944	0.4802634	0.4748248	0.4695833	0.4645430	0.4597081

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## [4327] 0.4550825 0.4506698 0.4464737 0.4424975 0.4387444 0.4352172 0.4319189
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## [4404] 0.7390917 0.7475829 0.7560323 0.7644325 0.7727760 0.7810555 0.7892638
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## [4425] 0.8993011 0.9054943 0.9115156 0.9173609 0.9230262 0.9285078 0.9338022
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## [4439] 0.9690800 0.9725725 0.9758561 0.9789299 0.9817935 0.9844462 0.9868880
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## [4488] 0.9182458 0.9136498 0.9089743 0.9042229 0.8993996 0.8945080 0.8895517
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## [4698] 0.3844889 0.3858494 0.3872480 0.3886850 0.3901606 0.3916750 0.3932283

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##	[4705]	0.3948208	0.3964527	0.3981241	0.3998354	0.4015867	0.4033782	0.4052102
##	[4712]	0.4070828	0.4089964	0.4109510	0.4129471	0.4149847	0.4170641	0.4191855
##	[4719]	0.4213492	0.4235554	0.4258043	0.4280962	0.4304313	0.4328098	0.4352319
##	[4726]	0.4376979	0.4402080	0.4427624	0.4453614	0.4480051	0.4506938	0.4534277
##	[4733]	0.4562070	0.4590319	0.4619025	0.4648192	0.4677820	0.4707912	0.4738470
##	[4740]	0.4769494	0.4800987	0.4832950	0.4865385	0.4898292	0.4931674	0.4965531
##	[4747]	0.4999865	0.5034676	0.5069965	0.5105733	0.5141980	0.5178706	0.5215913
##	[4754]	0.5253600	0.5291767	0.5330413	0.5369538	0.5409143	0.5449224	0.5489783
##	[4761]	0.5530817	0.5572325	0.5614306	0.5656757	0.5699675	0.5743060	0.5786907
##	[4768]	0.5831215	0.5875979	0.5921196	0.5966862	0.6012972	0.6059523	0.6106509
##	[4775]	0.6153926	0.6201766	0.6250024	0.6298695	0.6347770	0.6397243	0.6447106
##	[4782]	0.6497351	0.6547969	0.6598951	0.6650288	0.6701970	0.6753987	0.6806326
##	[4789]	0.6858977	0.6911928	0.6965166	0.7018678	0.7072450	0.7126469	0.7180718
##	[4796]	0.7235183	0.7289847	0.7344694	0.7399707	0.7454868	0.7510157	0.7565556
##	[4803]	0.7621045	0.7676604	0.7732210	0.7787843	0.7843479	0.7899095	0.7954668
##	[4810]	0.8010173	0.8065584	0.8120876	0.8176021	0.8230993	0.8285764	0.8340303
##	[4817]	0.8394583	0.8448574	0.8502243	0.8555561	0.8608494	0.8661011	0.8713079
##	[4824]	0.8764662	0.8815727	0.8866239	0.8916163	0.8965461	0.9014099	0.9062038
##	[4831]	0.9109241	0.9155671	0.9201289	0.9246056	0.9289934	0.9332884	0.9374865
##	[4838]	0.9415839	0.9455765	0.9494604	0.9532316	0.9568860	0.9604197	0.9638287
##	[4845]	0.9671090	0.9702566	0.9732676	0.9761382	0.9788644	0.9814425	0.9838686
##	[4852]	0.9861391	0.9882502	0.9901985	0.9919803	0.9935924	0.9950312	0.9962936
##	[4859]	0.9973764	0.9982766	0.9989913	0.9995177	0.9998531	0.9999950	0.9999410
##	[4866]	0.9996889	0.9992365	0.9985821	0.9977238	0.9966601	0.9953896	0.9939111
##	[4873]	0.9922236	0.9903263	0.9882187	0.9859002	0.9833709	0.9806306	0.9776797
##	[4880]	0.9745187	0.9711483	0.9675695	0.9637834	0.9597914	0.9555954	0.9511970
##	[4887]	0.9465986	0.9418025	0.9368113	0.9316279	0.9262553	0.9206970	0.9149566
##	[4894]	0.9090377	0.9029446	0.8966814	0.8902526	0.8836630	0.8769175	0.8700211
##	[4901]	0.8629794	0.8557976	0.8484817	0.8410375	0.8334711	0.8257886	0.8179966
##	[4908]	0.8101016	0.8021103	0.7940296	0.7858663	0.7776276	0.7693206	0.7609527
##	[4915]	0.7525312	0.7440635	0.7355571	0.7270197	0.7184589	0.7098822	0.7012974
##	[4922]	0.6927121	0.6841341	0.6755710	0.6670306	0.6585205	0.6500483	0.6416216
##	[4929]	0.6332479	0.6249348	0.6166896	0.6085196	0.6004322	0.5924344	0.5845333
##	[4936]	0.5767358	0.5690489	0.5614791	0.5540331	0.5467173	0.5395381	0.5325016
##	[4943]	0.5256138	0.5188806	0.5123077	0.5059007	0.4996649	0.4936056	0.4877278
##	[4950]	0.4820364	0.4765360	0.4712312	0.4661264	0.4612257	0.4565329	0.4520521
##	[4957]	0.4477866	0.4437400	0.4399155	0.4363160	0.4329445	0.4298037	0.4268958
##	[4964]	0.4242233	0.4217883	0.4195925	0.4176378	0.4159256	0.4144573	0.4132340
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##	[5013]	0.5774835	0.5852913	0.5932020	0.6012088	0.6093045	0.6174820	0.6257341
##	[5020]	0.6340534	0.6424325	0.6508639	0.6593401	0.6678535	0.6763964	0.6849613
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## [5356] 0.4419440 0.4445287 0.4471582 0.4498325 0.4525520 0.4553168 0.4581271
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## [5391] 0.5600883 0.5643184 0.5685954 0.5729190 0.5772891 0.5817052 0.5861671
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## [5405] 0.6234608 0.6283148 0.6332095 0.6381442 0.6431181 0.6481305 0.6531806
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## [5426] 0.7327205 0.7382167 0.7437282 0.7492533 0.7547899 0.7603362 0.7658900
## [5433] 0.7714494 0.7770120 0.7825758 0.7881383 0.7936973 0.7992502 0.8047946
## [5440] 0.8103278 0.8158473 0.8213504 0.8268341 0.8322958 0.8377324 0.8431409
## [5447] 0.8485185 0.8538618 0.8591677 0.8644330 0.8696545 0.8748286 0.8799520
## [5454] 0.8850212 0.8900327 0.8949828 0.8998680 0.9046846 0.9094288 0.9140968

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##	[5461]	0.9186849	0.9231891	0.9276057	0.9319306	0.9361600	0.9402899	0.9443164
##	[5468]	0.9482353	0.9520428	0.9557349	0.9593075	0.9627566	0.9660783	0.9692686
##	[5475]	0.9723236	0.9752393	0.9780119	0.9806376	0.9831125	0.9854330	0.9875953
##	[5482]	0.9895958	0.9914310	0.9930975	0.9945919	0.9959108	0.9970512	0.9980099
##	[5489]	0.9987840	0.9993706	0.9997672	0.9999709	0.9999796	0.9997908	0.9994025
##	[5496]	0.9988126	0.9980194	0.9970213	0.9958168	0.9944047	0.9927838	0.9909535
##	[5503]	0.9889129	0.9866616	0.9841994	0.9815263	0.9786425	0.9755484	0.9722446
##	[5510]	0.9687320	0.9650118	0.9610852	0.9569540	0.9526199	0.9480849	0.9433515
##	[5517]	0.9384221	0.9332996	0.9279870	0.9224875	0.9168046	0.9109422	0.9049041
##	[5524]	0.8986946	0.8923181	0.8857792	0.8790827	0.8722339	0.8652378	0.8581001
##	[5531]	0.8508263	0.8434223	0.8358941	0.8282479	0.8204901	0.8126272	0.8046659
##	[5538]	0.7966128	0.7884751	0.7802596	0.7719736	0.7636243	0.7552190	0.7467653
##	[5545]	0.7382704	0.7297421	0.7211879	0.7126154	0.7040323	0.6954463	0.6868652
##	[5552]	0.6782965	0.6697481	0.6612275	0.6527424	0.6443004	0.6359090	0.6275758
##	[5559]	0.6193081	0.6111134	0.6029989	0.5949718	0.5870391	0.5792079	0.5714850
##	[5566]	0.5638772	0.5563910	0.5490331	0.5418097	0.5347271	0.5277912	0.5210082
##	[5573]	0.5143836	0.5079232	0.5016323	0.4955162	0.4895801	0.4838287	0.4782670
##	[5580]	0.4728995	0.4677305	0.4627643	0.4580049	0.4534561	0.4491217	0.4450050
##	[5587]	0.4411094	0.4374380	0.4339936	0.4307789	0.4277966	0.4250489	0.4225380
##	[5594]	0.4202659	0.4182342	0.4164446	0.4148985	0.4135970	0.4125412	0.4117318
##	[5601]	0.4111696	0.4108548	0.4107878	0.4109687	0.4113972	0.4120730	0.4129957
##	[5608]	0.4141645	0.4155785	0.4172367	0.4191376	0.4212800	0.4236621	0.4262820
##	[5615]	0.4291378	0.4322271	0.4355477	0.4390967	0.4428715	0.4468691	0.4510862
##	[5622]	0.4555196	0.4601656	0.4650205	0.4700804	0.4753411	0.4807984	0.4864478
##	[5629]	0.4922846	0.4983041	0.5045011	0.5108706	0.5174071	0.5241052	0.5309591
##	[5636]	0.5379632	0.5451112	0.5523972	0.5598149	0.5673577	0.5750192	0.5827927
##	[5643]	0.5906714	0.5986484	0.6067165	0.6148688	0.6230979	0.6313966	0.6397575
##	[5650]	0.6481730	0.6566358	0.6651381	0.6736725	0.6822312	0.6908065	0.6993909
##	[5657]	0.7079764	0.7165556	0.7251206	0.7336639	0.7421778	0.7506547	0.7590872
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##	[5671]	0.8240677	0.8317750	0.8393678	0.8468397	0.8541846	0.8613966	0.8684700
##	[5678]	0.8753991	0.8821785	0.8888032	0.8952681	0.9015684	0.9076997	0.9136576
##	[5685]	0.9194380	0.9250371	0.9304512	0.9356769	0.9407110	0.9455507	0.9501932
##	[5692]	0.9546362	0.9588773	0.9629147	0.9667466	0.9703716	0.9737884	0.9769960
##	[5699]	0.9799936	0.9827806	0.9853568	0.9877221	0.9898765	0.9918205	0.9935545
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##	[5720]	0.9953268	0.9939269	0.9923531	0.9906086	0.9886970	0.9866217	0.9843863
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##	[5790]	0.6765580	0.6713492	0.6661734	0.6610320	0.6559258	0.6508558	0.6458230
##	[5797]	0.6408281	0.6358721	0.6309557	0.6260796	0.6212445	0.6164512	0.6117001
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##	[5811]	0.5752756	0.5709268	0.5666246	0.5623691	0.5581606	0.5539993	0.5498853
##	[5818]	0.5458189	0.5418001	0.5378291	0.5339059	0.5300306	0.5262033	0.5224240
##	[5825]	0.5186926	0.5150093	0.5113739	0.5077865	0.5042470	0.5007553	0.4973114
##	[5832]	0.4939151	0.4905663	0.4872651	0.4840111	0.4808043	0.4776446	0.4745318

##	[5839]	0.4714657	0.4684462	0.4654731	0.4625462	0.4596653	0.4568303	0.4540409
##	[5846]	0.4512970	0.4485982	0.4459445	0.4433357	0.4407714	0.4382514	0.4357757
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##	[5860]	0.4175315	0.4154427	0.4133959	0.4113907	0.4094268	0.4075042	0.4056225
##	[5867]	0.4037815	0.4019810	0.4002208	0.3985007	0.3968204	0.3951797	0.3935785
##	[5874]	0.3920165	0.3904935	0.3890093	0.3875638	0.3861566	0.3847877	0.3834568
##	[5881]	0.3821638	0.3809085	0.3796906	0.3785101	0.3773668	0.3762604	0.3751909
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##	[5972]	0.4136818	0.4157345	0.4178291	0.4199659	0.4221450	0.4243667	0.4266312
##	[5979]	0.4289387	0.4312895	0.4336838	0.4361218	0.4386038	0.4411300	0.4437005
##	[5986]	0.4463157	0.4489758	0.4516808	0.4544312	0.4572270	0.4600684	0.4629558
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##	[6000]	0.4877273	0.4910353	0.4943907	0.4977937	0.5012444	0.5047428	0.5082891
##	[6007]	0.5118833	0.5155254	0.5192155	0.5229536	0.5267397	0.5305737	0.5344558
##	[6014]	0.5383857	0.5423635	0.5463890	0.5504621	0.5545827	0.5587507	0.5629659
##	[6021]	0.5672279	0.5715368	0.5758921	0.5802935	0.5847409	0.5892338	0.5937718
##	[6028]	0.5983546	0.6029817	0.6076526	0.6123669	0.6171240	0.6219233	0.6267642
##	[6035]	0.6316460	0.6365680	0.6415296	0.6465298	0.6515679	0.6566431	0.6617543
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##	[6063]	0.7808036	0.7863668	0.7919271	0.7974822	0.8030296	0.8085667	0.8140909
##	[6070]	0.8195994	0.8250896	0.8305586	0.8360035	0.8414214	0.8468091	0.8521637
##	[6077]	0.8574819	0.8627605	0.8679962	0.8731858	0.8783257	0.8834126	0.8884428
##	[6084]	0.8934129	0.8983192	0.9031580	0.9079257	0.9126184	0.9172323	0.9217637
##	[6091]	0.9262086	0.9305632	0.9348235	0.9389855	0.9430453	0.9469989	0.9508424
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##	[6105]	0.9771445	0.9798174	0.9823408	0.9847108	0.9869239	0.9889764	0.9908646
##	[6112]	0.9925852	0.9941348	0.9955099	0.9967075	0.9977244	0.9985576	0.9992043
##	[6119]	0.9996616	0.9999271	0.9999982	0.9998725	0.9995479	0.9990225	0.9982942
##	[6126]	0.9973616	0.9962229	0.9948771	0.9933228	0.9915593	0.9895857	0.9874016
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##	[6140]	0.9623582	0.9582920	0.9540223	0.9495511	0.9448806	0.9400134	0.9349521
##	[6147]	0.9296997	0.9242593	0.9186345	0.9128288	0.9068462	0.9006909	0.8943670
##	[6154]	0.8878793	0.8812326	0.8744317	0.8674819	0.8603887	0.8531576	0.8457944
##	[6161]	0.8383051	0.8306959	0.8229729	0.8151428	0.8072121	0.7991875	0.7910760
##	[6168]	0.7828845	0.7746202	0.7662902	0.7579020	0.7494629	0.7409803	0.7324618
##	[6175]	0.7239150	0.7153475	0.7067670	0.6981811	0.6895976	0.6810241	0.6724684
##	[6182]	0.6639381	0.6554408	0.6469843	0.6385759	0.6302234	0.6219341	0.6137153
##	[6189]	0.6055745	0.5975187	0.5895552	0.5816909	0.5739328	0.5662876	0.5587620
##	[6196]	0.5513625	0.5440956	0.5369674	0.5299842	0.5231519	0.5164762	0.5099629
##	[6203]	0.5036174	0.4974451	0.4914511	0.4856404	0.4800177	0.4745879	0.4693552
##	[6210]	0.4643239	0.4594982	0.4548820	0.4504789	0.4462925	0.4423261	0.4385829

##	[6217]	0.4350659	0.4317778	0.4287212	0.4258986	0.4233120	0.4209636	0.4188551
##	[6224]	0.4169883	0.4153645	0.4139849	0.4128508	0.4119628	0.4113218	0.4109282
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##	[6245]	0.4344650	0.4379416	0.4416448	0.4455718	0.4497193	0.4540842	0.4586628
##	[6252]	0.4634516	0.4684466	0.4736438	0.4790390	0.4846277	0.4904054	0.4963672
##	[6259]	0.5025082	0.5088233	0.5153072	0.5219544	0.5287594	0.5357162	0.5428191
##	[6266]	0.5500618	0.5574382	0.5649419	0.5725663	0.5803049	0.5881508	0.5960972
##	[6273]	0.6041371	0.6122634	0.6204688	0.6287461	0.6370880	0.6454869	0.6539355
##	[6280]	0.6624260	0.6709510	0.6795028	0.6880737	0.6966560	0.7052420	0.7138240
##	[6287]	0.7223944	0.7309455	0.7394695	0.7479590	0.7564065	0.7648043	0.7731451
##	[6294]	0.7814216	0.7896265	0.7977528	0.8057933	0.8137412	0.8215897	0.8293322
##	[6301]	0.8369621	0.8444731	0.8518592	0.8591141	0.8662323	0.8732079	0.8800356
##	[6308]	0.8867101	0.8932265	0.8995797	0.9057654	0.9117789	0.9176163	0.9232735
##	[6315]	0.9287469	0.9340330	0.9391284	0.9440304	0.9487360	0.9532427	0.9575484
##	[6322]	0.9616509	0.9655485	0.9692395	0.9727227	0.9759970	0.9790616	0.9819157
##	[6329]	0.9845591	0.9869916	0.9892131	0.9912241	0.9930249	0.9946162	0.9959990
##	[6336]	0.9971744	0.9981435	0.9989080	0.9994693	0.9998294	0.9999903	0.9999540
##	[6343]	0.9997229	0.9992994	0.9986862	0.9978859	0.9969014	0.9957357	0.9943919
##	[6350]	0.9928731	0.9911826	0.9893239	0.9873003	0.9851155	0.9827731	0.9802767
##	[6357]	0.9776301	0.9748371	0.9719015	0.9688272	0.9656181	0.9622782	0.9588115
##	[6364]	0.9552218	0.9515133	0.9476898	0.9437555	0.9397142	0.9355701	0.9313269
##	[6371]	0.9269888	0.9225597	0.9180434	0.9134438	0.9087648	0.9040102	0.8991838
##	[6378]	0.8942892	0.8893302	0.8843103	0.8792333	0.8741025	0.8689215	0.8636937
##	[6385]	0.8584225	0.8531111	0.8477628	0.8423807	0.8369680	0.8315277	0.8260627
##	[6392]	0.8205761	0.8150706	0.8095490	0.8040140	0.7984683	0.7929143	0.7873547
##	[6399]	0.7817919	0.7762281	0.7706658	0.7651071	0.7595542	0.7540092	0.7484741
##	[6406]	0.7429508	0.7374413	0.7319474	0.7264709	0.7210134	0.7155766	0.7101621
##	[6413]	0.7047714	0.6994060	0.6940672	0.6887564	0.6834750	0.6782240	0.6730048
##	[6420]	0.6678184	0.6626659	0.6575484	0.6524668	0.6474220	0.6424150	0.6374465
##	[6427]	0.6325174	0.6276283	0.6227801	0.6179734	0.6132088	0.6084869	0.6038082
##	[6434]	0.5991733	0.5945826	0.5900366	0.5855356	0.5810802	0.5766705	0.5723070
##	[6441]	0.5679899	0.5637195	0.5594960	0.5553196	0.5511906	0.5471090	0.5430750
##	[6448]	0.5390888	0.5351503	0.5312598	0.5274172	0.5236226	0.5198760	0.5161773
##	[6455]	0.5125267	0.5089240	0.5053693	0.5018623	0.4984032	0.4949917	0.4916279
##	[6462]	0.4883115	0.4850425	0.4818207	0.4786460	0.4755182	0.4724373	0.4694029
##	[6469]	0.4664151	0.4634735	0.4605780	0.4577284	0.4549245	0.4521661	0.4494530
##	[6476]	0.4467850	0.4441618	0.4415833	0.4390493	0.4365595	0.4341137	0.4317116
##	[6483]	0.4293531	0.4270379	0.4247658	0.4225365	0.4203499	0.4182056	0.4161035
##	[6490]	0.4140433	0.4120249	0.4100479	0.4081121	0.4062174	0.4043635	0.4025501
##	[6497]	0.4007771	0.3990443	0.3973513	0.3956980	0.3940843	0.3925098	0.3909744
##	[6504]	0.3894779	0.3880200	0.3866007	0.3852196	0.3838766	0.3825716	0.3813042
##	[6511]	0.3800745	0.3788821	0.3777269	0.3766088	0.3755276	0.3744831	0.3734751
##	[6518]	0.3725037	0.3715685	0.3706694	0.3698064	0.3689792	0.3681879	0.3674321
##	[6525]	0.3667119	0.3660271	0.3653777	0.3647634	0.3641843	0.3636402	0.3631311
##	[6532]	0.3626568	0.3622174	0.3618127	0.3614426	0.3611071	0.3608062	0.3605399
##	[6539]	0.3603079	0.3601105	0.3599474	0.3598187	0.3597243	0.3596643	0.3596386
##	[6546]	0.3596473	0.3596902	0.3597676	0.3598792	0.3600252	0.3602057	0.3604205
##	[6553]	0.3606698	0.3609535	0.3612718	0.3616247	0.3620122	0.3624345	0.3628914
##	[6560]	0.3633833	0.3639100	0.3644717	0.3650685	0.3657005	0.3663677	0.3670704
##	[6567]	0.3678084	0.3685821	0.3693915	0.3702367	0.3711179	0.3720351	0.3729886
##	[6574]	0.3739784	0.3750047	0.3760677	0.3771675	0.3783043	0.3794782	0.3806894
##	[6581]	0.3819381	0.3832244	0.3845485	0.3859107	0.3873110	0.3887497	0.3902270
##	[6588]	0.3917431	0.3932982	0.3948924	0.3965261	0.3981993	0.3999123	0.4016654

##	[6595]	0.4034587	0.4052925	0.4071669	0.4090823	0.4110388	0.4130367	0.4150761
##	[6602]	0.4171574	0.4192807	0.4214463	0.4236544	0.4259052	0.4281990	0.4305360
##	[6609]	0.4329164	0.4353405	0.4378084	0.4403205	0.4428769	0.4454779	0.4481236
##	[6616]	0.4508143	0.4535502	0.4563315	0.4591584	0.4620311	0.4649498	0.4679147
##	[6623]	0.4709259	0.4739837	0.4770882	0.4802396	0.4834380	0.4866836	0.4899765
##	[6630]	0.4933168	0.4967046	0.5001401	0.5036233	0.5071543	0.5107332	0.5143600
##	[6637]	0.5180349	0.5217577	0.5255285	0.5293473	0.5332140	0.5371287	0.5410912
##	[6644]	0.5451015	0.5491595	0.5532650	0.5574180	0.5616181	0.5658653	0.5701592
##	[6651]	0.5744997	0.5788865	0.5833193	0.5877977	0.5923214	0.5968900	0.6015030
##	[6658]	0.6061601	0.6108606	0.6156041	0.6203900	0.6252177	0.6300866	0.6349959
##	[6665]	0.6399449	0.6449329	0.6499591	0.6550225	0.6601224	0.6652576	0.6704273
##	[6672]	0.6756304	0.6808658	0.6861322	0.6914286	0.6967537	0.7021061	0.7074844
##	[6679]	0.7128873	0.7183132	0.7237606	0.7292279	0.7347134	0.7402154	0.7457320
##	[6686]	0.7512615	0.7568019	0.7623511	0.7679072	0.7734680	0.7790313	0.7845949
##	[6693]	0.7901564	0.7957135	0.8012636	0.8068042	0.8123328	0.8178467	0.8233430
##	[6700]	0.8288191	0.8342720	0.8396987	0.8450964	0.8504619	0.8557920	0.8610836
##	[6707]	0.8663333	0.8715380	0.8766941	0.8817982	0.8868469	0.8918366	0.8967636
##	[6714]	0.9016243	0.9064150	0.9111320	0.9157714	0.9203295	0.9248024	0.9291862
##	[6721]	0.9334769	0.9376707	0.9417635	0.9457513	0.9496303	0.9533964	0.9570455
##	[6728]	0.9605738	0.9639771	0.9672516	0.9703932	0.9733981	0.9762624	0.9789821
##	[6735]	0.9815535	0.9839728	0.9862362	0.9883402	0.9902812	0.9920556	0.9936599
##	[6742]	0.9950910	0.9963455	0.9974203	0.9983123	0.9990187	0.9995367	0.9998635
##	[6749]	0.9999968	0.9999340	0.9996730	0.9992118	0.9985483	0.9976809	0.9966081
##	[6756]	0.9953283	0.9938406	0.9921438	0.9902372	0.9881202	0.9857924	0.9832536
##	[6763]	0.9805040	0.9775438	0.9743735	0.9709938	0.9674057	0.9636104	0.9596094
##	[6770]	0.9554043	0.9509971	0.9463898	0.9415850	0.9365852	0.9313933	0.9260124
##	[6777]	0.9204460	0.9146975	0.9087708	0.9026700	0.8963994	0.8899634	0.8833667
##	[6784]	0.8766144	0.8697115	0.8626634	0.8554756	0.8481538	0.8407040	0.8331323
##	[6791]	0.8254449	0.8176482	0.8097488	0.8017533	0.7936688	0.7855020	0.7772601
##	[6798]	0.7689503	0.7605798	0.7521561	0.7436865	0.7351786	0.7266400	0.7180783
##	[6805]	0.7095011	0.7009161	0.6923310	0.6837534	0.6751912	0.6666520	0.6581434
##	[6812]	0.6496731	0.6412486	0.6328774	0.6245672	0.6163251	0.6081587	0.6000751
##	[6819]	0.5920814	0.5841848	0.5763921	0.5687102	0.5611457	0.5537054	0.5463956
##	[6826]	0.5392225	0.5321925	0.5253114	0.5185853	0.5120196	0.5056201	0.4993921
##	[6833]	0.4933407	0.4874711	0.4817880	0.4762963	0.4710003	0.4659044	0.4610128
##	[6840]	0.4563294	0.4518580	0.4476022	0.4435654	0.4397508	0.4361615	0.4328002
##	[6847]	0.4296696	0.4267721	0.4241102	0.4216857	0.4195006	0.4175566	0.4158553
##	[6854]	0.4143978	0.4131854	0.4122189	0.4114992	0.4110267	0.4108019	0.4108248
##	[6861]	0.4110956	0.4116139	0.4123794	0.4133915	0.4146494	0.4161522	0.4178986
##	[6868]	0.4198874	0.4221169	0.4245856	0.4272913	0.4302322	0.4334057	0.4368095
##	[6875]	0.4404408	0.4442968	0.4483744	0.4526705	0.4571814	0.4619037	0.4668334
##	[6882]	0.4719667	0.4772993	0.4828268	0.4885448	0.4944485	0.5005330	0.5067932
##	[6889]	0.5132239	0.5198197	0.5265750	0.5334841	0.5405411	0.5477400	0.5550745
##	[6896]	0.5625383	0.5701250	0.5778279	0.5856404	0.5935556	0.6015664	0.6096660
##	[6903]	0.6178470	0.6261022	0.6344243	0.6428059	0.6512394	0.6597174	0.6682323
##	[6910]	0.6767764	0.6853420	0.6939215	0.7025072	0.7110913	0.7196662	0.7282243
##	[6917]	0.7367577	0.7452591	0.7537207	0.7621351	0.7704949	0.7787927	0.7870212
##	[6924]	0.7951733	0.8032419	0.8112200	0.8191009	0.8268779	0.8345443	0.8420939
##	[6931]	0.8495204	0.8568178	0.8639801	0.8710018	0.8778772	0.8846010	0.8911683
##	[6938]	0.8975740	0.9038135	0.9098824	0.9157763	0.9214913	0.9270236	0.9323697
##	[6945]	0.9375262	0.9424901	0.9472586	0.9518289	0.9561989	0.9603663	0.9643293
##	[6952]	0.9680863	0.9716358	0.9749768	0.9781082	0.9810295	0.9837400	0.9862397
##	[6959]	0.9885284	0.9906064	0.9924740	0.9941320	0.9955812	0.9968224	0.9978571
##	[6966]	0.9986866	0.9993124	0.9997365	0.9999605	0.9999868	0.9998175	0.9994550

##	[6973]	0.9989020	0.9981609	0.9972348	0.9961265	0.9948391	0.9933756	0.9917395
##	[6980]	0.9899340	0.9879626	0.9858287	0.9835361	0.9810884	0.9784892	0.9757424
##	[6987]	0.9728518	0.9698213	0.9666547	0.9633560	0.9599293	0.9563783	0.9527072
##	[6994]	0.9489199	0.9450205	0.9410128	0.9369010	0.9326890	0.9283807	0.9239802
##	[7001]	0.9194912	0.9149177	0.9102636	0.9055327	0.9007287	0.8958554	0.8909166
##	[7008]	0.8859157	0.8808565	0.8757424	0.8705771	0.8653638	0.8601061	0.8548071
##	[7015]	0.8494702	0.8440985	0.8386952	0.8332634	0.8278060	0.8223259	0.8168261
##	[7022]	0.8113094	0.8057783	0.8002358	0.7946842	0.7891261	0.7835640	0.7780003
##	[7029]	0.7724373	0.7668772	0.7613222	0.7557745	0.7502360	0.7447087	0.7391947
##	[7036]	0.7336956	0.7282134	0.7227496	0.7173061	0.7118843	0.7064859	0.7011122
##	[7043]	0.6957648	0.6904450	0.6851540	0.6798932	0.6746638	0.6694668	0.6643034
##	[7050]	0.6591746	0.6540815	0.6490249	0.6440057	0.6390249	0.6340831	0.6291812
##	[7057]	0.6243200	0.6195000	0.6147219	0.6099863	0.6052938	0.6006449	0.5960400
##	[7064]	0.5914797	0.5869644	0.5824944	0.5780701	0.5736919	0.5693600	0.5650747
##	[7071]	0.5608362	0.5566448	0.5525007	0.5484040	0.5443548	0.5403533	0.5363997
##	[7078]	0.5324939	0.5286360	0.5248261	0.5210642	0.5173503	0.5136843	0.5100664
##	[7085]	0.5064964	0.5029742	0.4994999	0.4960732	0.4926942	0.4893627	0.4860786
##	[7092]	0.4828418	0.4796521	0.4765094	0.4734136	0.4703644	0.4673618	0.4644055
##	[7099]	0.4614953	0.4586311	0.4558126	0.4530398	0.4503123	0.4476299	0.4449925
##	[7106]	0.4423998	0.4398517	0.4373478	0.4348880	0.4324720	0.4300996	0.4277707
##	[7113]	0.4254849	0.4232420	0.4210418	0.4188840	0.4167685	0.4146950	0.4126633
##	[7120]	0.4106731	0.4087243	0.4068165	0.4049496	0.4031233	0.4013375	0.3995919
##	[7127]	0.3978862	0.3962204	0.3945940	0.3930071	0.3914592	0.3899504	0.3884802
##	[7134]	0.3870486	0.3856554	0.3843003	0.3829832	0.3817038	0.3804621	0.3792579
##	[7141]	0.3780909	0.3769609	0.3758680	0.3748118	0.3737922	0.3728092	0.3718624
##	[7148]	0.3709519	0.3700774	0.3692388	0.3684361	0.3676690	0.3669375	0.3662414
##	[7155]	0.3655807	0.3649553	0.3643650	0.3638097	0.3632895	0.3628041	0.3623536
##	[7162]	0.3619378	0.3615567	0.3612102	0.3608983	0.3606210	0.3603781	0.3601696
##	[7169]	0.3599956	0.3598559	0.3597506	0.3596797	0.3596431	0.3596408	0.3596728
##	[7176]	0.3597392	0.3598399	0.3599750	0.3601445	0.3603483	0.3605866	0.3608594
##	[7183]	0.3611667	0.3615085	0.3618850	0.3622962	0.3627421	0.3632228	0.3637384
##	[7190]	0.3642890	0.3648746	0.3654954	0.3661514	0.3668427	0.3675695	0.3683318
##	[7197]	0.3691298	0.3699636	0.3708333	0.3717390	0.3726809	0.3736592	0.3746739
##	[7204]	0.3757252	0.3768132	0.3779382	0.3791002	0.3802995	0.3815363	0.3828106
##	[7211]	0.3841226	0.3854726	0.3868608	0.3882873	0.3897523	0.3912560	0.3927986
##	[7218]	0.3943804	0.3960014	0.3976620	0.3993623	0.4011026	0.4028831	0.4047040
##	[7225]	0.4065654	0.4084677	0.4104111	0.4123958	0.4144220	0.4164899	0.4185998
##	[7232]	0.4207519	0.4229464	0.4251836	0.4274637	0.4297869	0.4321534	0.4345636
##	[7239]	0.4370175	0.4395155	0.4420578	0.4446445	0.4472760	0.4499523	0.4526738
##	[7246]	0.4554406	0.4582530	0.4611111	0.4640151	0.4669652	0.4699617	0.4730047
##	[7253]	0.4760943	0.4792307	0.4824141	0.4856447	0.4889224	0.4922476	0.4956203
##	[7260]	0.4990406	0.5025086	0.5060244	0.5095880	0.5131996	0.5168591	0.5205666
##	[7267]	0.5243221	0.5281256	0.5319771	0.5358766	0.5398239	0.5438190	0.5478618
##	[7274]	0.5519522	0.5560900	0.5602751	0.5645073	0.5687864	0.5731121	0.5774842
##	[7281]	0.5819024	0.5863663	0.5908756	0.5954299	0.6000288	0.6046719	0.6093586
##	[7288]	0.6140885	0.6188610	0.6236754	0.6285313	0.6334278	0.6383642	0.6433399
##	[7295]	0.6483540	0.6534057	0.6584940	0.6636181	0.6687769	0.6739695	0.6791947
##	[7302]	0.6844514	0.6897384	0.6950545	0.7003983	0.7057685	0.7111637	0.7165825
##	[7309]	0.7220232	0.7274843	0.7329642	0.7384612	0.7439733	0.7494989	0.7550360
##	[7316]	0.7605827	0.7661368	0.7716963	0.7772591	0.7828229	0.7883853	0.7939440
##	[7323]	0.7994966	0.8050406	0.8105733	0.8160921	0.8215943	0.8270771	0.8325377
##	[7330]	0.8379732	0.8433804	0.8487565	0.8540982	0.8594024	0.8646659	0.8698852
##	[7337]	0.8750572	0.8801783	0.8852450	0.8902538	0.8952012	0.9000834	0.9048968
##	[7344]	0.9096377	0.9143023	0.9188867	0.9233871	0.9277997	0.9321205	0.9363456

##	[7351]	0.9404710	0.9444927	0.9484068	0.9522093	0.9558961	0.9594633	0.9629068
##	[7358]	0.9662228	0.9694072	0.9724560	0.9753655	0.9781317	0.9807507	0.9832189
##	[7365]	0.9855324	0.9876876	0.9896808	0.9915087	0.9931676	0.9946542	0.9959653
##	[7372]	0.9970976	0.9980482	0.9988140	0.9993923	0.9997803	0.9999755	0.9999754
##	[7379]	0.9997778	0.9993805	0.9987817	0.9979794	0.9969722	0.9957585	0.9943371
##	[7386]	0.9927070	0.9908673	0.9888174	0.9865567	0.9840852	0.9814027	0.9785096
##	[7393]	0.9754061	0.9720930	0.9685712	0.9648418	0.9609061	0.9567658	0.9524227
##	[7400]	0.9478789	0.9431367	0.9381987	0.9330677	0.9277467	0.9222390	0.9165481
##	[7407]	0.9106778	0.9046320	0.8984149	0.8920311	0.8854851	0.8787818	0.8719263
##	[7414]	0.8649238	0.8577799	0.8505002	0.8430905	0.8355570	0.8279057	0.8201431
##	[7421]	0.8122757	0.8043101	0.7962532	0.7881118	0.7798931	0.7716041	0.7632522
##	[7428]	0.7548446	0.7463888	0.7378923	0.7293627	0.7208075	0.7122344	0.7036510
##	[7435]	0.6950651	0.6864844	0.6779164	0.6693690	0.6608499	0.6523665	0.6439266
##	[7442]	0.6355376	0.6272072	0.6189426	0.6107513	0.6026405	0.5946174	0.5866891
##	[7449]	0.5788626	0.5711447	0.5635421	0.5560615	0.5487094	0.5414921	0.5344159
##	[7456]	0.5274867	0.5207106	0.5140932	0.5076402	0.5013569	0.4952488	0.4893207
##	[7463]	0.4835777	0.4780245	0.4726657	0.4675056	0.4625485	0.4577984	0.4532591
##	[7470]	0.4489342	0.4448273	0.4409416	0.4372802	0.4338459	0.4306416	0.4276696
##	[7477]	0.4249324	0.4224321	0.4201705	0.4181496	0.4163708	0.4148355	0.4135449
##	[7484]	0.4125000	0.4117016	0.4111503	0.4108466	0.4107906	0.4109824	0.4114219
##	[7491]	0.4121088	0.4130424	0.4142221	0.4156470	0.4173159	0.4192277	0.4213807
##	[7498]	0.4237734	0.4264039	0.4292700	0.4323697	0.4357004	0.4392596	0.4430443
##	[7505]	0.4470517	0.4512786	0.4557214	0.4603768	0.4652409	0.4703097	0.4755793
##	[7512]	0.4810452	0.4867031	0.4925481	0.4985756	0.5047804	0.5111573	0.5177012
##	[7519]	0.5244063	0.5312670	0.5382776	0.5454319	0.5527239	0.5601472	0.5676955
##	[7526]	0.5753621	0.5831404	0.5910236	0.5990048	0.6070768	0.6152326	0.6234650
##	[7533]	0.6317666	0.6401301	0.6485479	0.6570126	0.6655165	0.6740521	0.6826117
##	[7540]	0.6911876	0.6997722	0.7083576	0.7169363	0.7255006	0.7340427	0.7425551
##	[7547]	0.7510302	0.7594605	0.7678385	0.7761568	0.7844081	0.7925853	0.8006813
##	[7554]	0.8086890	0.8166016	0.8244123	0.8321147	0.8397022	0.8471686	0.8545077
##	[7561]	0.8617137	0.8687808	0.8757033	0.8824760	0.8890937	0.8955514	0.9018443
##	[7568]	0.9079680	0.9139181	0.9196906	0.9252815	0.9306873	0.9359045	0.9409301
##	[7575]	0.9457610	0.9503948	0.9548288	0.9590609	0.9630893	0.9669120	0.9705278
##	[7582]	0.9739353	0.9771336	0.9801218	0.9828995	0.9854663	0.9878222	0.9899673
##	[7589]	0.9919019	0.9936266	0.9951422	0.9964495	0.9975499	0.9984446	0.9991351
##	[7596]	0.9996232	0.9999107	0.9999998	0.9998925	0.9995913	0.9990987	0.9984172
##	[7603]	0.9975497	0.9964991	0.9952684	0.9938607	0.9922792	0.9905273	0.9886083
##	[7610]	0.9865258	0.9842834	0.9818847	0.9793333	0.9766331	0.9737879	0.9708015
##	[7617]	0.9676779	0.9644209	0.9610345	0.9575226	0.9538894	0.9501386	0.9462745
##	[7624]	0.9423009	0.9382218	0.9340413	0.9297633	0.9253917	0.9209304	0.9163835
##	[7631]	0.9117546	0.9070478	0.9022666	0.8974150	0.8924966	0.8875151	0.8824741
##	[7638]	0.8773772	0.8722278	0.8670294	0.8617855	0.8564992	0.8511741	0.8458131
##	[7645]	0.8404196	0.8349965	0.8295469	0.8240738	0.8185800	0.8130683	0.8075415
##	[7652]	0.8020023	0.7964533	0.7908971	0.7853360	0.7797726	0.7742091	0.7686478
##	[7659]	0.7630910	0.7575407	0.7519990	0.7464680	0.7409495	0.7354455	0.7299577
##	[7666]	0.7244879	0.7190377	0.7136089	0.7082028	0.7028211	0.6974652	0.6921364
##	[7673]	0.6868361	0.6815656	0.6763260	0.6711186	0.6659444	0.6608045	0.6556999
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##	[7687]	0.6162393	0.6114901	0.6067838	0.6021209	0.5975020	0.5929275	0.5883978
##	[7694]	0.5839133	0.5794744	0.5750815	0.5707348	0.5664346	0.5621812	0.5579748
##	[7701]	0.5538156	0.5497037	0.5456394	0.5416227	0.5376538	0.5337328	0.5298596
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##	[7729]	0.4567054	0.4539181	0.4511761	0.4484794	0.4458277	0.4432208	0.4406585
##	[7736]	0.4381406	0.4356667	0.4332368	0.4308506	0.4285078	0.4262083	0.4239517
##	[7743]	0.4217380	0.4195667	0.4174378	0.4153510	0.4133060	0.4113026	0.4093406
##	[7750]	0.4074197	0.4055399	0.4037007	0.4019020	0.4001436	0.3984252	0.3967467
##	[7757]	0.3951078	0.3935083	0.3919480	0.3904268	0.3889443	0.3875005	0.3860950
##	[7764]	0.3847278	0.3833986	0.3821073	0.3808536	0.3796374	0.3784585	0.3773168
##	[7771]	0.3762121	0.3751442	0.3741130	0.3731184	0.3721600	0.3712380	0.3703520
##	[7778]	0.3695020	0.3686879	0.3679095	0.3671666	0.3664593	0.3657874	0.3651507
##	[7785]	0.3645492	0.3639828	0.3634514	0.3629549	0.3624933	0.3620665	0.3616743
##	[7792]	0.3613168	0.3609939	0.3607056	0.3604517	0.3602323	0.3600473	0.3598967
##	[7799]	0.3597804	0.3596986	0.3596510	0.3596378	0.3596589	0.3597143	0.3598041
##	[7806]	0.3599282	0.3600867	0.3602796	0.3605070	0.3607688	0.3610651	0.3613959
##	[7813]	0.3617613	0.3621615	0.3625963	0.3630659	0.3635704	0.3641098	0.3646843
##	[7820]	0.3652938	0.3659386	0.3666187	0.3673341	0.3680851	0.3688717	0.3696941
##	[7827]	0.3705524	0.3714466	0.3723770	0.3733436	0.3743467	0.3753863	0.3764626
##	[7834]	0.3775758	0.3787261	0.3799135	0.3811382	0.3824006	0.3837006	0.3850385
##	[7841]	0.3864145	0.3878287	0.3892814	0.3907728	0.3923030	0.3938723	0.3954808
##	[7848]	0.3971288	0.3988164	0.4005440	0.4023116	0.4041196	0.4059681	0.4078574
##	[7855]	0.4097876	0.4117591	0.4137720	0.4158266	0.4179231	0.4200618	0.4222427
##	[7862]	0.4244663	0.4267327	0.4290422	0.4313949	0.4337911	0.4362311	0.4387151
##	[7869]	0.4412432	0.4438157	0.4464329	0.4490949	0.4518020	0.4545544	0.4573522
##	[7876]	0.4601957	0.4630851	0.4660205	0.4690022	0.4720303	0.4751051	0.4782266
##	[7883]	0.4813950	0.4846105	0.4878732	0.4911833	0.4945408	0.4979459	0.5013987
##	[7890]	0.5048993	0.5084477	0.5120440	0.5156882	0.5193805	0.5231207	0.5269089
##	[7897]	0.5307451	0.5346293	0.5385613	0.5425412	0.5465688	0.5506441	0.5547668
##	[7904]	0.5589369	0.5631541	0.5674183	0.5717292	0.5760865	0.5804901	0.5849394
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##	[7918]	0.6221374	0.6269801	0.6318637	0.6367875	0.6417508	0.6467527	0.6517925
##	[7925]	0.6568693	0.6619821	0.6671300	0.6723119	0.6775268	0.6827736	0.6880511
##	[7932]	0.6933581	0.6986932	0.7040551	0.7094426	0.7148540	0.7202879	0.7257427
##	[7939]	0.7312168	0.7367085	0.7422160	0.7477375	0.7532712	0.7588150	0.7643670
##	[7946]	0.7699250	0.7754870	0.7810507	0.7866138	0.7921739	0.7977288	0.8032757
##	[7953]	0.8088123	0.8143358	0.8198437	0.8253330	0.8308010	0.8362447	0.8416613
##	[7960]	0.8470476	0.8524006	0.8577171	0.8629939	0.8682277	0.8734151	0.8785528
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##	[7974]	0.9174354	0.9219630	0.9264040	0.9307544	0.9350104	0.9391680	0.9432232
##	[7981]	0.9471720	0.9510104	0.9547345	0.9583402	0.9618236	0.9651806	0.9684074
##	[7988]	0.9714998	0.9744541	0.9772664	0.9799327	0.9824493	0.9848125	0.9870185
##	[7995]	0.9890637	0.9909446	0.9926577	0.9941995	0.9955669	0.9967565	0.9977653
##	[8002]	0.9985903	0.9992286	0.9996775	0.9999344	0.9999968	0.9998623	0.9995289
##	[8009]	0.9989944	0.9982572	0.9973154	0.9961676	0.9948125	0.9932490	0.9914761
##	[8016]	0.9894932	0.9872997	0.9848954	0.9822801	0.9794540	0.9764174	0.9731710
##	[8023]	0.9697156	0.9660521	0.9621820	0.9581067	0.9538280	0.9493479	0.9446687
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##	[8037]	0.9004136	0.8940824	0.8875875	0.8809338	0.8741262	0.8671699	0.8600705
##	[8044]	0.8528334	0.8454645	0.8379697	0.8303553	0.8226275	0.8147927	0.8068577
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##	[8072]	0.6215675	0.6133521	0.6052149	0.5971631	0.5892038	0.5813441	0.5735908
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##	[8093]	0.4743513	0.4691274	0.4641052	0.4592888	0.4546819	0.4502883	0.4461116
##	[8100]	0.4421551	0.4384219	0.4349150	0.4316371	0.4285909	0.4257787	0.4232027

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##	[8485]	0.4131263	0.4151676	0.4172508	0.4193759	0.4215434	0.4237534	0.4260061
##	[8492]	0.4283018	0.4306408	0.4330231	0.4354491	0.4379191	0.4404331	0.4429915
##	[8499]	0.4455944	0.4482421	0.4509348	0.4536727	0.4564560	0.4592850	0.4621597
##	[8506]	0.4650805	0.4680474	0.4710607	0.4741206	0.4772272	0.4803807	0.4835812
##	[8513]	0.4868288	0.4901238	0.4934662	0.4968561	0.5002937	0.5037791	0.5073122
##	[8520]	0.5108933	0.5145222	0.5181992	0.5219241	0.5256970	0.5295180	0.5333868
##	[8527]	0.5373036	0.5412683	0.5452807	0.5493408	0.5534485	0.5576035	0.5618057
##	[8534]	0.5660549	0.5703510	0.5746936	0.5790824	0.5835172	0.5879977	0.5925233
##	[8541]	0.5970939	0.6017089	0.6063679	0.6110703	0.6158157	0.6206035	0.6254331
##	[8548]	0.6303037	0.6352148	0.6401656	0.6451553	0.6501832	0.6552482	0.6603497
##	[8555]	0.6654865	0.6706577	0.6758622	0.6810990	0.6863668	0.6916645	0.6969908
##	[8562]	0.7023444	0.7077238	0.7131278	0.7185547	0.7240030	0.7294711	0.7349574
##	[8569]	0.7404601	0.7459773	0.7515073	0.7570481	0.7625977	0.7681541	0.7737150
##	[8576]	0.7792784	0.7848420	0.7904033	0.7959601	0.8015099	0.8070500	0.8125780
##	[8583]	0.8180911	0.8235866	0.8290617	0.8345135	0.8399391	0.8453354	0.8506993
##	[8590]	0.8560278	0.8613176	0.8665655	0.8717680	0.8769219	0.8820236	0.8870698
##	[8597]	0.8920567	0.8969808	0.9018385	0.9066261	0.9113397	0.9159756	0.9205300
##	[8604]	0.9249990	0.9293787	0.9336652	0.9378546	0.9419428	0.9459259	0.9498000
##	[8611]	0.9535609	0.9572048	0.9607276	0.9641253	0.9673939	0.9705296	0.9735283
##	[8618]	0.9763862	0.9790995	0.9816642	0.9840766	0.9863331	0.9884299	0.9903635
##	[8625]	0.9921304	0.9937272	0.9951505	0.9963971	0.9974638	0.9983477	0.9990457
##	[8632]	0.9995553	0.9998736	0.9999982	0.9999266	0.9996568	0.9991866	0.9985141
##	[8639]	0.9976377	0.9965556	0.9952667	0.9937697	0.9920636	0.9901476	0.9880213
##	[8646]	0.9856841	0.9831360	0.9803770	0.9774075	0.9742278	0.9708389	0.9672416
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##	[8660]	0.9311583	0.9257691	0.9201945	0.9144381	0.9085036	0.9023951	0.8961170
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##	[8681]	0.7851375	0.7768924	0.7685798	0.7602068	0.7517809	0.7433094	0.7348000
##	[8688]	0.7262602	0.7176977	0.7091199	0.7005348	0.6919498	0.6833728	0.6748115
##	[8695]	0.6662734	0.6577664	0.6492979	0.6408756	0.6325070	0.6241996	0.6159608
##	[8702]	0.6077979	0.5997181	0.5917286	0.5838364	0.5760485	0.5683717	0.5608127
##	[8709]	0.5533780	0.5460741	0.5389073	0.5318837	0.5250094	0.5182902	0.5117319
##	[8716]	0.5053398	0.4991195	0.4930761	0.4872147	0.4815401	0.4760569	0.4707697
##	[8723]	0.4656828	0.4608004	0.4561263	0.4516645	0.4474183	0.4433913	0.4395866
##	[8730]	0.4360073	0.4326562	0.4295359	0.4266489	0.4239974	0.4215836	0.4194092
##	[8737]	0.4174759	0.4157853	0.4143387	0.4131372	0.4121817	0.4114729	0.4110115
##	[8744]	0.4107976	0.4108316	0.4111133	0.4116426	0.4124191	0.4134421	0.4147109
##	[8751]	0.4162245	0.4179818	0.4199813	0.4222215	0.4247007	0.4274170	0.4303682
##	[8758]	0.4335520	0.4369659	0.4406073	0.4444732	0.4485606	0.4528662	0.4573867
##	[8765]	0.4621182	0.4670571	0.4721993	0.4775406	0.4830767	0.4888031	0.4947149
##	[8772]	0.5008073	0.5070752	0.5135134	0.5201164	0.5268786	0.5337944	0.5408579
##	[8779]	0.5480629	0.5554032	0.5628727	0.5704647	0.5781726	0.5859898	0.5939093
##	[8786]	0.6019243	0.6100276	0.6182120	0.6264704	0.6347953	0.6431793	0.6516150
##	[8793]	0.6600948	0.6686112	0.6771563	0.6857228	0.6943027	0.7028885	0.7114723
##	[8800]	0.7200467	0.7286038	0.7371360	0.7456357	0.7540954	0.7625076	0.7708648
##	[8807]	0.7791596	0.7873849	0.7955334	0.8035982	0.8115721	0.8194485	0.8272207
##	[8814]	0.8348821	0.8424264	0.8498473	0.8571388	0.8642950	0.8713102	0.8781790
##	[8821]	0.8848960	0.8914562	0.8978546	0.9040867	0.9101478	0.9160339	0.9217409
##	[8828]	0.9272650	0.9326028	0.9377508	0.9427061	0.9474657	0.9520273	0.9563883
##	[8835]	0.9605466	0.9645005	0.9682483	0.9717886	0.9751203	0.9782424	0.9811543
##	[8842]	0.9838555	0.9863458	0.9886251	0.9906938	0.9925521	0.9942008	0.9956407
##	[8849]	0.9968728	0.9978983	0.9987187	0.9993355	0.9997506	0.9999659	0.9999834
##	[8856]	0.9998055	0.9994345	0.9988730	0.9981237	0.9971894	0.9960731	0.9947778

##	[8863]	0.9933066	0.9916629	0.9898499	0.9878712	0.9857303	0.9834307	0.9809761
##	[8870]	0.9783703	0.9756170	0.9727202	0.9696835	0.9665110	0.9632066	0.9597742
##	[8877]	0.9562178	0.9525415	0.9487491	0.9448448	0.9408324	0.9367161	0.9324997
##	[8884]	0.9281872	0.9237827	0.9192899	0.9147127	0.9100551	0.9053209	0.9005138
##	[8891]	0.8956375	0.8906958	0.8856922	0.8806305	0.8755141	0.8703466	0.8651313
##	[8898]	0.8598716	0.8545709	0.8492323	0.8438592	0.8384546	0.8330215	0.8275631
##	[8905]	0.8220821	0.8165815	0.8110640	0.8055324	0.7999894	0.7944375	0.7888792
##	[8912]	0.7833170	0.7777532	0.7721903	0.7666304	0.7610757	0.7555283	0.7499903
##	[8919]	0.7444636	0.7389501	0.7334518	0.7279703	0.7225074	0.7170648	0.7116441
##	[8926]	0.7062467	0.7008742	0.6955280	0.6902094	0.6849198	0.6796603	0.6744323
##	[8933]	0.6692368	0.6640749	0.6589477	0.6538561	0.6488012	0.6437837	0.6388046
##	[8940]	0.6338646	0.6289645	0.6241051	0.6192869	0.6145107	0.6097770	0.6050864
##	[8947]	0.6004394	0.5958366	0.5912783	0.5867649	0.5822970	0.5778747	0.5734985
##	[8954]	0.5691687	0.5648855	0.5606491	0.5564598	0.5523177	0.5482231	0.5441761
##	[8961]	0.5401767	0.5362252	0.5323215	0.5284658	0.5246580	0.5208982	0.5171865
##	[8968]	0.5135227	0.5099068	0.5063389	0.5028189	0.4993467	0.4959221	0.4925452
##	[8975]	0.4892159	0.4859339	0.4826991	0.4795116	0.4763710	0.4732772	0.4702301
##	[8982]	0.4672295	0.4642752	0.4613671	0.4585049	0.4556885	0.4529177	0.4501922
##	[8989]	0.4475118	0.4448764	0.4422857	0.4397395	0.4372376	0.4347798	0.4323657
##	[8996]	0.4299953	0.4276682	0.4253843	0.4231433	0.4209450	0.4187892	0.4166756
##	[9003]	0.4146039	0.4125741	0.4105857	0.4086387	0.4067327	0.4048676	0.4030432
##	[9010]	0.4012591	0.3995153	0.3978114	0.3961473	0.3945227	0.3929375	0.3913914
##	[9017]	0.3898843	0.3884158	0.3869859	0.3855944	0.3842410	0.3829256	0.3816479
##	[9024]	0.3804079	0.3792052	0.3780399	0.3769116	0.3758203	0.3747657	0.3737478
##	[9031]	0.3727663	0.3718212	0.3709123	0.3700394	0.3692024	0.3684012	0.3676357
##	[9038]	0.3669058	0.3662113	0.3655522	0.3649283	0.3643396	0.3637859	0.3632672
##	[9045]	0.3627834	0.3623344	0.3619201	0.3615406	0.3611956	0.3608853	0.3606094
##	[9052]	0.3603681	0.3601612	0.3599887	0.3598505	0.3597468	0.3596773	0.3596422
##	[9059]	0.3596415	0.3596750	0.3597429	0.3598452	0.3599818	0.3601528	0.3603582
##	[9066]	0.3605980	0.3608723	0.3611811	0.3615245	0.3619026	0.3623153	0.3627627
##	[9073]	0.3632450	0.3637621	0.3643143	0.3649014	0.3655238	0.3661813	0.3668742
##	[9080]	0.3676026	0.3683665	0.3691661	0.3700014	0.3708727	0.3717801	0.3727236
##	[9087]	0.3737035	0.3747198	0.3757727	0.3768624	0.3779890	0.3791527	0.3803537
##	[9094]	0.3815920	0.3828680	0.3841818	0.3855335	0.3869233	0.3883515	0.3898182
##	[9101]	0.3913237	0.3928680	0.3944515	0.3960743	0.3977367	0.3994388	0.4011809
##	[9108]	0.4029631	0.4047858	0.4066490	0.4085532	0.4104984	0.4124849	0.4145129
##	[9115]	0.4165827	0.4186944	0.4208484	0.4230448	0.4252839	0.4275659	0.4298910
##	[9122]	0.4322595	0.4346716	0.4371275	0.4396275	0.4421717	0.4447604	0.4473939
##	[9129]	0.4500722	0.4527957	0.4555645	0.4583789	0.4612390	0.4641451	0.4670973
##	[9136]	0.4700959	0.4731409	0.4762326	0.4793711	0.4825566	0.4857892	0.4890691
##	[9143]	0.4923964	0.4957712	0.4991936	0.5026637	0.5061816	0.5097474	0.5133611
##	[9150]	0.5170227	0.5207324	0.5244900	0.5282957	0.5321493	0.5360508	0.5400003
##	[9157]	0.5439975	0.5480424	0.5521349	0.5562748	0.5604621	0.5646963	0.5689775
##	[9164]	0.5733053	0.5776794	0.5820996	0.5865656	0.5910769	0.5956332	0.6002341
##	[9171]	0.6048791	0.6095678	0.6142996	0.6190739	0.6238902	0.6287478	0.6336461
##	[9178]	0.6385844	0.6435618	0.6485775	0.6536309	0.6587208	0.6638465	0.6690068
##	[9185]	0.6742009	0.6794275	0.6846856	0.6899739	0.6952912	0.7006362	0.7060076
##	[9192]	0.7114039	0.7168236	0.7222653	0.7277273	0.7332080	0.7387056	0.7442184
##	[9199]	0.7497446	0.7552822	0.7608292	0.7663836	0.7719433	0.7775062	0.7830699
##	[9206]	0.7886322	0.7941907	0.7997430	0.8052865	0.8108187	0.8163368	0.8218382
##	[9213]	0.8273201	0.8327797	0.8382139	0.8436199	0.8489945	0.8543346	0.8596370
##	[9220]	0.8648986	0.8701160	0.8752857	0.8804044	0.8854687	0.8904749	0.8954194
##	[9227]	0.9002987	0.9051089	0.9098465	0.9145076	0.9190884	0.9235850	0.9279936
##	[9234]	0.9323102	0.9365309	0.9406518	0.9446688	0.9485781	0.9523755	0.9560571

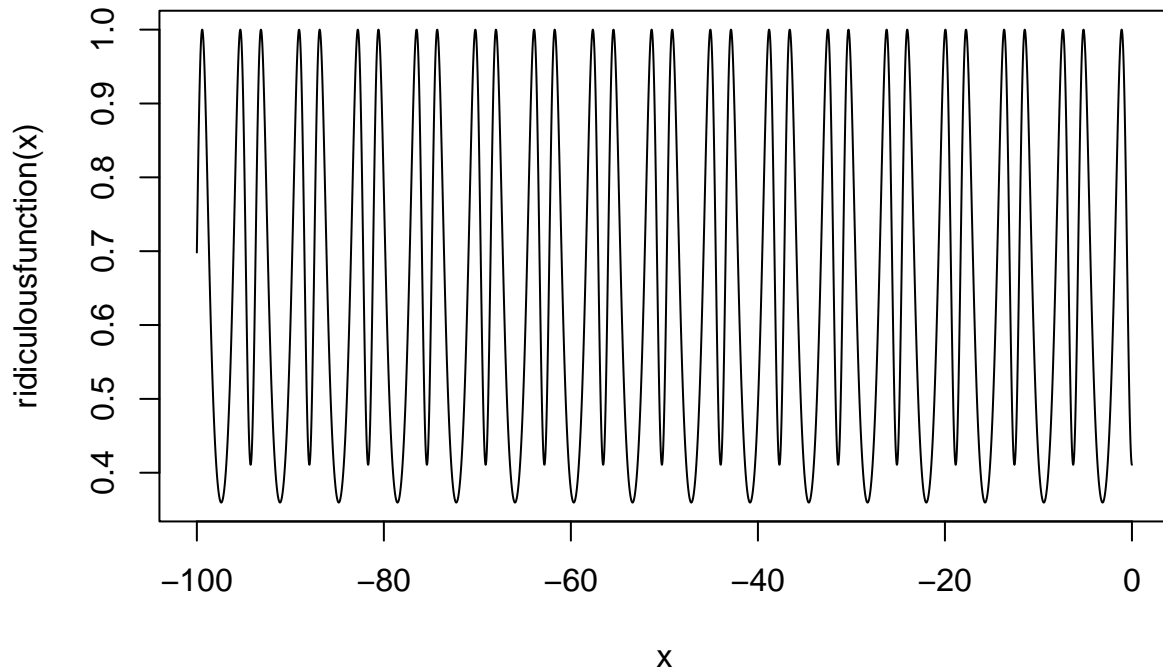
##	[9241]	0.9596188	0.9630568	0.9663670	0.9695455	0.9725882	0.9754914	0.9782511
##	[9248]	0.9808636	0.9833249	0.9856315	0.9877796	0.9897655	0.9915859	0.9932373
##	[9255]	0.9947162	0.9960194	0.9971437	0.9980861	0.9988437	0.9994136	0.9997931
##	[9262]	0.9999796	0.9999708	0.9997644	0.9993582	0.9987504	0.9979391	0.9969227
##	[9269]	0.9956998	0.9942692	0.9926298	0.9907807	0.9887215	0.9864515	0.9839706
##	[9276]	0.9812787	0.9783762	0.9752634	0.9719410	0.9684100	0.9646713	0.9607266
##	[9283]	0.9565772	0.9522252	0.9476725	0.9429216	0.9379750	0.9328354	0.9275060
##	[9290]	0.9219901	0.9162912	0.9104130	0.9043595	0.8981350	0.8917438	0.8851907
##	[9297]	0.8784806	0.8716184	0.8646095	0.8574595	0.8501739	0.8427586	0.8352197
##	[9304]	0.8275633	0.8197959	0.8119240	0.8039542	0.7958934	0.7877485	0.7795264
##	[9311]	0.7712345	0.7628799	0.7544701	0.7460123	0.7375142	0.7289833	0.7204271
##	[9318]	0.7118534	0.7032697	0.6946839	0.6861035	0.6775364	0.6689901	0.6604723
##	[9325]	0.6519907	0.6435529	0.6351664	0.6268387	0.6185772	0.6103894	0.6022823
##	[9332]	0.5942633	0.5863394	0.5785175	0.5708045	0.5632073	0.5557322	0.5483860
##	[9339]	0.5411749	0.5341050	0.5271825	0.5204133	0.5138031	0.5073575	0.5010819
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##	[9353]	0.4575923	0.4530625	0.4487472	0.4446500	0.4407742	0.4371228	0.4336987
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##	[9388]	0.4394229	0.4432176	0.4472348	0.4514713	0.4559237	0.4605884	0.4654616
##	[9395]	0.4705395	0.4758179	0.4812925	0.4869587	0.4928120	0.4988474	0.5050599
##	[9402]	0.5114444	0.5179955	0.5247077	0.5315752	0.5385923	0.5457528	0.5530508
##	[9409]	0.5604798	0.5680335	0.5757052	0.5834883	0.5913760	0.5993614	0.6074373
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##	[9423]	0.6744318	0.6829923	0.6915687	0.7001535	0.7087388	0.7173170	0.7258804
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##	[9444]	0.8474972	0.8548306	0.8620305	0.8690913	0.8760073	0.8827732	0.8893839
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##	[9458]	0.9361318	0.9411488	0.9459710	0.9505959	0.9550210	0.9592442	0.9632634
##	[9465]	0.9670770	0.9706835	0.9740818	0.9772707	0.9802496	0.9830180	0.9855754
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##	[9479]	0.9984795	0.9991610	0.9996402	0.9999189	0.9999992	0.9998832	0.9995735
##	[9486]	0.9990724	0.9983826	0.9975069	0.9964483	0.9952096	0.9937941	0.9922050
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##	[9528]	0.8509367	0.8455743	0.8401794	0.8347550	0.8293043	0.8238302	0.8183356
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##	[9542]	0.7739620	0.7684009	0.7628443	0.7572944	0.7517532	0.7462226	0.7407048
##	[9549]	0.7352014	0.7297144	0.7242454	0.7187962	0.7133683	0.7079633	0.7025827
##	[9556]	0.6972280	0.6919004	0.6866015	0.6813323	0.6760941	0.6708881	0.6657154
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##	[9577]	0.5927254	0.5881977	0.5837152	0.5792784	0.5748875	0.5705428	0.5662447
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##	[9626]	0.4261072	0.4238525	0.4216407	0.4194713	0.4173442	0.4152593	0.4132161
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##	[9647]	0.3874372	0.3860335	0.3846680	0.3833405	0.3820508	0.3807988	0.3795843
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##	[9668]	0.3657583	0.3651232	0.3645233	0.3639585	0.3634286	0.3629337	0.3624736
##	[9675]	0.3620483	0.3616577	0.3613018	0.3609804	0.3606936	0.3604412	0.3602233
##	[9682]	0.3600399	0.3598908	0.3597761	0.3596957	0.3596497	0.3596380	0.3596606
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##	[9696]	0.3610790	0.3614114	0.3617784	0.3621800	0.3626164	0.3630876	0.3635936
##	[9703]	0.3641346	0.3647106	0.3653217	0.3659680	0.3666497	0.3673667	0.3681193
##	[9710]	0.3689075	0.3697315	0.3705913	0.3714871	0.3724191	0.3733874	0.3743921
##	[9717]	0.3754333	0.3765113	0.3776261	0.3787780	0.3799671	0.3811935	0.3824575
##	[9724]	0.3837592	0.3850988	0.3864765	0.3878924	0.3893468	0.3908399	0.3923719
##	[9731]	0.3939429	0.3955531	0.3972029	0.3988923	0.4006216	0.4023910	0.4042008
##	[9738]	0.4060511	0.4079422	0.4098743	0.4118476	0.4138624	0.4159188	0.4180172
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##	[9766]	0.4752427	0.4783663	0.4815368	0.4847544	0.4880192	0.4913314	0.4946910
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##	[9787]	0.5508262	0.5549510	0.5591232	0.5633425	0.5676087	0.5719217	0.5762811
##	[9794]	0.5806867	0.5851381	0.5896350	0.5941770	0.5987638	0.6033948	0.6080696
##	[9801]	0.6127877	0.6175485	0.6223515	0.6271961	0.6320815	0.6370071	0.6419721
##	[9808]	0.6469758	0.6520172	0.6570956	0.6622100	0.6673594	0.6725428	0.6777592
##	[9815]	0.6830074	0.6882862	0.6935944	0.6989307	0.7042939	0.7096824	0.7150948
##	[9822]	0.7205297	0.7259854	0.7314603	0.7369527	0.7424609	0.7479830	0.7535171
##	[9829]	0.7590614	0.7646137	0.7701719	0.7757340	0.7812977	0.7868608	0.7924207
##	[9836]	0.7979753	0.8035218	0.8090579	0.8145808	0.8200878	0.8255763	0.8310432
##	[9843]	0.8364859	0.8419011	0.8472861	0.8526375	0.8579523	0.8632273	0.8684591
##	[9850]	0.8736444	0.8787797	0.8838617	0.8888867	0.8938513	0.8987518	0.9035844
##	[9857]	0.9083456	0.9130314	0.9176382	0.9221621	0.9265991	0.9309454	0.9351971
##	[9864]	0.9393503	0.9434008	0.9473448	0.9511783	0.9548972	0.9584976	0.9619754
##	[9871]	0.9653267	0.9685476	0.9716340	0.9745821	0.9773879	0.9800477	0.9825575
##	[9878]	0.9849138	0.9871127	0.9891508	0.9910243	0.9927298	0.9942640	0.9956235
##	[9885]	0.9968052	0.9978059	0.9986226	0.9992526	0.9996930	0.9999413	0.9999950
##	[9892]	0.9998517	0.9995094	0.9989660	0.9982197	0.9972688	0.9961118	0.9947475
##	[9899]	0.9931747	0.9913925	0.9894003	0.9871974	0.9847837	0.9821590	0.9793236
##	[9906]	0.9762777	0.9730220	0.9695573	0.9658847	0.9620054	0.9579210	0.9536333
##	[9913]	0.9491443	0.9444563	0.9395717	0.9344933	0.9292240	0.9237671	0.9181261
##	[9920]	0.9123046	0.9063065	0.9001360	0.8937974	0.8872954	0.8806347	0.8738204
##	[9927]	0.8668577	0.8597520	0.8525089	0.8451343	0.8376341	0.8300145	0.8222817
##	[9934]	0.8144424	0.8065031	0.7984705	0.7903516	0.7821533	0.7738829	0.7655475
##	[9941]	0.7571544	0.7487111	0.7402250	0.7317037	0.7231548	0.7145858	0.7060045
##	[9948]	0.6974185	0.6888356	0.6802634	0.6717096	0.6631819	0.6546880	0.6462354
##	[9955]	0.6378317	0.6294845	0.6212011	0.6129890	0.6048554	0.5968076	0.5888526
##	[9962]	0.5809975	0.5732491	0.5656143	0.5580996	0.5507116	0.5434568	0.5363413
##	[9969]	0.5293712	0.5225525	0.5158911	0.5093924	0.5030621	0.4969054	0.4909275
##	[9976]	0.4851333	0.4795276	0.4741151	0.4689001	0.4638870	0.4590797	0.4544822
##	[9983]	0.4500982	0.4459312	0.4419846	0.4382614	0.4347646	0.4314969	0.4284610
##	[9990]	0.4256592	0.4230938	0.4207666	0.4186795	0.4168342	0.4152320	0.4138743

```
## [9997] 0.4127619 0.4118959 0.4112768 0.4109052 0.4107813
```

We can plot this like so:

```
plot(ridiculousfunction(x)~x, type='l')
```



Wow, that sure is neat.

13. Plot the function again, but this time change the spacing between your x-axis values so the spacing between them is 1 (instead of 0.01).
14. Plot the function again, but this time plot it on the domain $-100 \leq x \leq 0$. Use a spacing of 0.01.

Epilogue: R Script versus R Markdown

In class, you may see some R code from time to time. She will probably use something called an R Script. This is a file which can be thought of as one large code chunk; R script files are only meant to contain R commands with short plain-text comments. R Markdown files consist of both code, output, and plain text. The code chunks are like script files for typing in code.

R script files are useful when the primary goal is to explore a dataset or test short R programs. R Markdown files like this one are ideal for preparing documents that need to contain both explanatory text and run codes too, such as a lab report.

Congratulations! You have reached the end of Lab 1.