

STAT 4410/8416 Homework 4

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Due on Nov 12, 2020

1. Exploring XML data; In this problem we will read the xml data. For this we will obtain a xml data called olive oils from the link <http://www.ggobi.org/book/data/olive.xml>. Please follow the directions in each step and provide your codes and output.

- a. Define XML in your own words? What is top node in XML called and what is bottom node in XML called?

Answer: XML simply means EXtensible Markup Language which uses tag like HTML but not HTML tags, instead user defined tags. Top node in XML called root and bottom node in XML called leaves.

- b. In your own words, write *two* difference between XML and JSON?

Answer: XML uses tags but JSON does not. XML is HTML version of data while JSON is javascript version of data.

- c. Parse the xml data from the above link and store in a object called `olive`. Answer the following questions using R code and type your answer:

```
library(XML)
myUrl <- 'http://www.ggobi.org/book/data/olive.xml'
olive <- xmlParse(myUrl)
```

- i. What is the name of the root of the xml file?

```
url <- 'http://www.ggobi.org/book/data/olive.xml'
olive <- xmlTreeParse(url)
top <- xmlRoot(olive)
xmlName(top)
```

```
## [1] "ggobidata"
```

- ii. What is the count of data that is available under the root name?

```
xmlSize(top)
```

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

- iii. Extract the text value for the 'description' of the XML

```
xmlSApply(top[[1]][["description"]], xmlValue)
```

```
##                               text
## "This is XML created by GGobi"
```

d. Examine the actual file by going to the link above and answer the following questions using R code and type your answer:

i. Identify the path of real variables in the xml tree

```
library(xml2)
x_1d <- read_xml(url)
olive_1d <- xmlParse(url)
xml_path(xml_find_all(x_1d, ".*//realvariable"))
```

```
## [1] "/ggobidata/data/variables/realvariable[1]"
## [2] "/ggobidata/data/variables/realvariable[2]"
## [3] "/ggobidata/data/variables/realvariable[3]"
## [4] "/ggobidata/data/variables/realvariable[4]"
## [5] "/ggobidata/data/variables/realvariable[5]"
## [6] "/ggobidata/data/variables/realvariable[6]"
## [7] "/ggobidata/data/variables/realvariable[7]"
## [8] "/ggobidata/data/variables/realvariable[8]"
```

i. Identify the path of 'real variables' in the xml tree

```
rvPath_1d <- ".*//ggobidata/data/variables/realvariable"
rvList_1d <- sapply("name", function(x) xpathApply(olive_1d, rvPath_1d, xmlGetAttr, x))
rvNames_1d <- as.vector(unlist(rvList_1d))
rvNames_1d
```

```
## [1] "palmitic"      "palmitoleic"  "stearic"      "oleic"        "linoleic"
## [6] "linolenic"    "arachidic"   "eicosenoic"
```

ii. What is the 'names' of real variables?

Answer: palmitic" "palmitoleic" "stearic" "oleic" "linoleic" "linolenic" "arachidic"

iii. What is the count of the real variables?

```
xmlSize(rvList_1d)
```

```
## [1] 8
```

iv. Identify the path of 'categorical variables' in the xml tree

```
xml_path(xml_find_all(x_1d, ".*//categoricalvariable"))
```

```
## [1] "/ggobidata/data/variables/categoricalvariable[1]"
## [2] "/ggobidata/data/variables/categoricalvariable[2]"
```

v. What is the 'names' of categorical variables?

Answer:"region" "area"

```
cvPath_1d <- "//ggobidata/data/variables/categoricalvariable"
cvList_1d <- sapply("name", function(x) xpathApply(olive_1d, cvPath_1d, xmlGetAttr, x))
cvNames_1d <- as.vector(unlist(cvList_1d))
cvNames_1d
```

```
## [1] "region" "area"
```

vi. What is the count of the categorical variables?

```
xmlSize(cvList_1d)
```

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

vii. How many levels does 'categoricalvariable' with 'name=area' have? Extract the text value for level

```
r_1d <- xmlRoot(olive_1d)
varInfo_1d <- r_1d[[1]][[2]]
cPath_1d <- "//categoricalvariable[@name='area']/levels/level"
cLevelsList_1d <- xpathApply(varInfo_1d, cPath_1d, xmlValue)
xmlSize(cLevelsList_1d)
```

```
## [1] 9
```

```
cPath5_1d <- "//categoricalvariable[@name='area']/levels/level[@value='5']"
unlist(xpathApply(varInfo_1d, cPath5_1d, xmlValue))
```

```
## [1] "Inland-Sardinia"
```

e. Notice the path for the data in xml file. Use that path to obtain the data and store the data in a data frame called `oliveDat`. Change the column names as you have obtained the column names. Display some data.

```
olive_1e <- xmlParse(url)
xml_path(xml_find_one(x_1d, ".//record"))
```

```
## [1] "/ggobidata/data/records/record[1]"
```

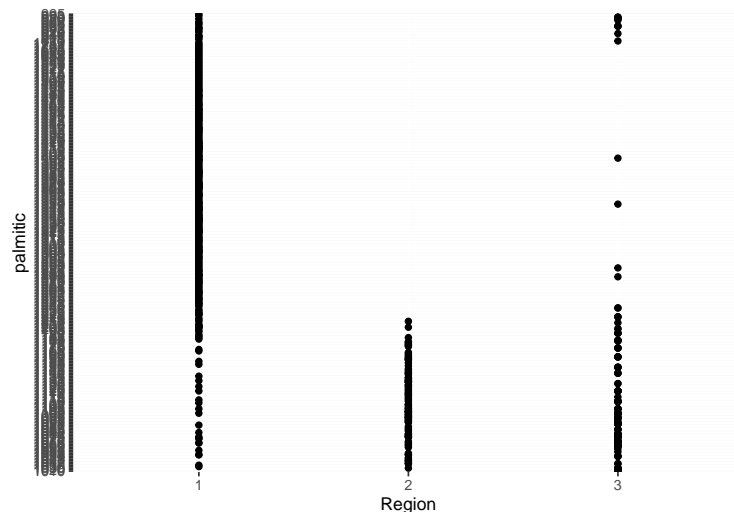
```
datPath_1e <- "//ggobidata/data/records/record"
datValue_1e <- xpathApply(olive_1e, datPath_1e, xmlValue)
datValue_1e <- strsplit(gsub('\n', '', datValue_1e), split="\s+")
oliveDat <- do.call(rbind.data.frame, datValue_1e)
names(oliveDat) <- c(cvNames_1d, rvNames_1d)
head(oliveDat)
```

```
##   region area palmitic palmitoleic stearic oleic linoleic linolenic arachidic
## 1     1     1    1075           75    226  7823     672         na       60
## 2     1     1    1088           73    224  7709     781         31       61
## 3     1     1     911           54    246  8113     549         31       63
## 4     1     1     966           57    240  7952     619         50       78
```

```
## 5      1      1      1051      67      259 7771      672      50      80
## 6      1      1      911      49      268 7924      678      51      70
##      eicosenoic
## 1          29
## 2          29
## 3          29
## 4          35
## 5          46
## 6          44
```

- f. Generate a plot of your choice to display any feature of `oliveDat` data. Notice that the column names are different fatty acids. The values are % of fatty acids found in the Italian olive oils coming from different regions and areas.

```
library(ggplot2)
ggplot(oliveDat, aes(x=region, y=palmitic))+
  geom_point()+
  xlab("Region")+
  ylab("palmitic")
```



2. Working with date-time data; The object `myDate` contains the date and time. Based on this object answer the following questions using R code and type the answer after your findings.

```
myDate <- "2020-10-01 09:42:43"
```

- What is a Date and Time data? Why is Date and Time data useful? Answer: Date and time data are some type of data which helps to figure out the date and time in a specific format. Date and time data is useful because it helps to find out the important sights such as on which week of the day your websites gets maximum hit, in which hour the most transactions are made or in what hour the maximum stocks are traded etc.
- Why is it a challenge to work with Date and Time data? Write at least 2 challenges. Answer: It is a challenge to work with data and time data because they look like numbers but they are not which makes very confusing and difficult to work with these data. Some challenges are:
 - special formats

- ii) Leap years
- iii) different time zones

c. Convert `myDate` into a date and time object with Portland, OR time zone. Display the result.

```
myDatePacificTZ <- as.POSIXct(myDate, tz="America/Los_Angeles")
myDatePacificTZ
```

```
## [1] "2020-10-01 09:42:43 PDT"
```

d. Write your codes so that it displays the week day and also the month of `myDate`.

```
library(lubridate)
weekdays(ymd_hms(myDate))
```

```
## [1] "Thursday"
```

```
months(ymd_hms(myDate))
```

```
## [1] "October"
```

e. What weekday and the month is it after exactly 100 years from `myDate`?

```
weekdays(ymd_hms(myDate) + years(100))
```

```
## [1] "Monday"
```

```
months(ymd_hms(myDate) + years(100))
```

```
## [1] "October"
```

f. Add two month with `myDate` and display the resulting date time. Explain why the time zone has changed even though you did not ask for time zone change.

Answer: UTC time zone is ahead than PDT time zone. Here, we added 2 months which is 2 more months ahead than the earlier date . Thats why time zone has changed even though we did not ask for time zone change.

```
ymd_hms(myDate) + months(2)
```

```
## [1] "2019-12-30 19:50:21 UTC"
```

g. Suppose this homework is due on November 11, 2020 by 11.59PM. Compute and display how many seconds you got to complete this homework? Also compute the hours.

```
myDate_2g <- "2020-11-11 11:59:00"
difftime(ymd_hms(myDate_2g), now(), units="secs")
```

```
## Time difference of -399257.2 secs
```

```
difftime(ymd_hms(myDate_2g), now(), units="hours")
```

```
## Time difference of -110.9048 hours
```

- h. Suppose you are working with a Time-Series data. Where should the Time Value be? X-Axis or the Y-Axis? Explain your answer. Answer: X-Axis. It show the graph well and you read it well in graph.
- i. How do you get the current date as set in the computer? Does the date belong to a Leap Year? Answer: We can get the current date as set in the computer with the code : `now()` . According to the following output, it belongs to a leap year.

```
now <- now()
leap_year(now)
```

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

- j. For the years 2020 & 2021, count the number of weekends. Which year has the highest number of Weekends? Answer: According to the following output, year 2021 has the highest number of weekends.

```
Date1_2020 <- as.Date("2020-01-01")
Date2_2020 <- as.Date("2020-12-31")
Date1_2021 <- as.Date("2021-01-01")

Date2_2021 <- as.Date("2021-12-31")
sum(weekdays(seq(Date1_2020, Date2_2020, "days")) %in% c("Saturday", "Sunday"))
```

```
## [1] 104
```

```
sum(weekdays(seq(Date1_2021, Date2_2021, "days")) %in% c("Saturday", "Sunday"))
```

```
## [1] 104
```

- k. What is the month(MM) and day(DD) on the 305th day of the current year? Answer: Month= Nov Day=01

```
months(Date1_2020 + days(304))
```

```
## [1] "January"
```

```
weekdays(Date1_2020 + days(304))
```

```
## [1] "Thursday"
```

- l. Generate a vector of dates incremented by 15 from start of the year 2020. Report the top 15.

```
seq(Date1_2020, length=15, by = '15 day')
```

```
## [1] "2020-01-01" "2020-01-16" "2020-01-31" "2020-02-15" "2020-03-01"
## [6] "2020-03-16" "2020-03-31" "2020-04-15" "2020-04-30" "2020-05-15"
## [11] "2020-05-30" "2020-06-14" "2020-06-29" "2020-07-14" "2020-07-29"
```

m. The Date 2020-10-20 is formatted YYYY-MM-DD, format it into MM-DD-YYYY

```
format(as.Date("2020-10-20"),format="%m-%d-%Y")
```

```
## [1] "10-20-2020"
```

n. Find if the Date on the question above is the weekend or a weekday.

```
weekdays(as.Date("2020-10-20"))
```

```
## [1] "Tuesday"
```

3. Data Wrangling and Dates In this problem, we will be using the `mdsr` and `Luhman` packages.

```
library(mdsr)
library(Luhman)
library(lubridate)
library(dplyr)
library(sqldf)
library(data.table)
```

a. Using the `presidential` dataset, show a simple table that displays the number of leap years that occurred during each president's time in office. Please label the second "Bush" as "Bush2".

```
pres_dat <- presidential
pres_dat[[1]][10] <- "Bush2"
leapyear_pres <- pres_dat
leapyear_pres <- leapyear_pres %>%
  group_by(name) %>%
  mutate(leapyear_count = sum(leap_year(year(start):year(end)))) %>%
  select(name, leapyear_count)
data.table(leapyear_pres)
```

```
##           name leapyear_count
## 1: Eisenhower           2
## 2:   Kennedy           0
## 3:   Johnson           2
## 4:    Nixon           1
## 5:    Ford           1
## 6:   Carter           1
## 7:   Reagan           2
## 8:    Bush           1
## 9: Clinton           2
## 10:   Bush2           2
## 11:   Obama           2
```

- b. Consider the `Teams` dataset from the `Lahman` package that provides a series of baseball statistics over a number of years. Note that the “H” column refers to number of home runs. The following outlines a procedure to follow to determine the number of home runs that occurred during each presidents’ (adjusted) time in office.

```
library(Lahman)
library(lubridate)
```

- i. First, filter the ‘Teams’ dataset to only include years between 1953 and 2016.

```
team_dat <- Teams
Teams <- filter(Teams, yearID >= 1953, yearID <= 2016)
Teams
```

##	yearID	lgID	teamID	franchID	divID	Rank	G	Ghome	W	L	DivWin	WCWin
## 1	1953	AL	BOS	BOS	<NA>	4	153	76	84	69	<NA>	<NA>
## 2	1953	NL	BRO	LAD	<NA>	1	155	78	105	49	<NA>	<NA>
## 3	1953	AL	CHA	CHW	<NA>	3	156	78	89	65	<NA>	<NA>
## 4	1953	NL	CHN	CHC	<NA>	7	155	77	65	89	<NA>	<NA>
## 5	1953	NL	CIN	CIN	<NA>	6	155	78	68	86	<NA>	<NA>
## 6	1953	AL	CLE	CLE	<NA>	2	155	78	92	62	<NA>	<NA>
## 7	1953	AL	DET	DET	<NA>	6	158	79	60	94	<NA>	<NA>
## 8	1953	NL	ML1	ATL	<NA>	2	157	79	92	62	<NA>	<NA>
## 9	1953	NL	NY1	SFG	<NA>	5	155	77	70	84	<NA>	<NA>
## 10	1953	AL	NYA	NYN	<NA>	1	151	77	99	52	<NA>	<NA>
## 11	1953	AL	PHA	OAK	<NA>	7	157	78	59	95	<NA>	<NA>
## 12	1953	NL	PHI	PHI	<NA>	3	156	78	83	71	<NA>	<NA>
## 13	1953	NL	PIT	PIT	<NA>	8	154	77	50	104	<NA>	<NA>
## 14	1953	AL	SLA	BAL	<NA>	8	154	77	54	100	<NA>	<NA>
## 15	1953	NL	SLN	STL	<NA>	3	157	78	83	71	<NA>	<NA>
## 16	1953	AL	WS1	MIN	<NA>	5	152	75	76	76	<NA>	<NA>
## 17	1954	AL	BAL	BAL	<NA>	7	154	77	54	100	<NA>	<NA>
## 18	1954	AL	BOS	BOS	<NA>	4	156	79	69	85	<NA>	<NA>
## 19	1954	NL	BRO	LAD	<NA>	2	154	77	92	62	<NA>	<NA>
## 20	1954	AL	CHA	CHW	<NA>	3	155	78	94	60	<NA>	<NA>
## 21	1954	NL	CHN	CHC	<NA>	7	154	77	64	90	<NA>	<NA>
## 22	1954	NL	CIN	CIN	<NA>	5	154	77	74	80	<NA>	<NA>
## 23	1954	AL	CLE	CLE	<NA>	1	156	77	111	43	<NA>	<NA>
## 24	1954	AL	DET	DET	<NA>	5	155	77	68	86	<NA>	<NA>
## 25	1954	NL	ML1	ATL	<NA>	3	154	77	89	65	<NA>	<NA>
## 26	1954	NL	NY1	SFG	<NA>	1	154	76	97	57	<NA>	<NA>
## 27	1954	AL	NYA	NYN	<NA>	2	155	78	103	51	<NA>	<NA>
## 28	1954	AL	PHA	OAK	<NA>	8	156	77	51	103	<NA>	<NA>
## 29	1954	NL	PHI	PHI	<NA>	4	154	78	75	79	<NA>	<NA>
## 30	1954	NL	PIT	PIT	<NA>	8	154	77	53	101	<NA>	<NA>
## 31	1954	NL	SLN	STL	<NA>	6	154	77	72	82	<NA>	<NA>
## 32	1954	AL	WS1	MIN	<NA>	6	155	78	66	88	<NA>	<NA>
## 33	1955	AL	BAL	BAL	<NA>	7	156	79	57	97	<NA>	<NA>
## 34	1955	AL	BOS	BOS	<NA>	4	154	78	84	70	<NA>	<NA>
## 35	1955	NL	BRO	LAD	<NA>	1	154	77	98	55	<NA>	<NA>
## 36	1955	AL	CHA	CHW	<NA>	3	155	77	91	63	<NA>	<NA>
## 37	1955	NL	CHN	CHC	<NA>	6	154	77	72	81	<NA>	<NA>
## 38	1955	NL	CIN	CIN	<NA>	5	154	77	75	79	<NA>	<NA>

## 39	1955	AL	CLE	CLE	<NA>	2	154	77	93	61	<NA>	<NA>
## 40	1955	AL	DET	DET	<NA>	5	154	77	79	75	<NA>	<NA>
## 41	1955	AL	KC1	OAK	<NA>	6	155	76	63	91	<NA>	<NA>
## 42	1955	NL	ML1	ATL	<NA>	2	154	77	85	69	<NA>	<NA>
## 43	1955	NL	NY1	SFG	<NA>	3	154	79	80	74	<NA>	<NA>
## 44	1955	AL	NYA	NYN	<NA>	1	154	77	96	58	<NA>	<NA>
## 45	1955	NL	PHI	PHI	<NA>	4	154	77	77	77	<NA>	<NA>
## 46	1955	NL	PIT	PIT	<NA>	8	154	75	60	94	<NA>	<NA>
## 47	1955	NL	SLN	STL	<NA>	7	154	77	68	86	<NA>	<NA>
## 48	1955	AL	WS1	MIN	<NA>	8	154	77	53	101	<NA>	<NA>
## 49	1956	AL	BAL	BAL	<NA>	6	154	77	69	85	<NA>	<NA>
## 50	1956	AL	BOS	BOS	<NA>	4	155	78	84	70	<NA>	<NA>
## 51	1956	NL	BRO	LAD	<NA>	1	154	77	93	61	<NA>	<NA>
## 52	1956	AL	CHA	CHW	<NA>	3	154	77	85	69	<NA>	<NA>
## 53	1956	NL	CHN	CHC	<NA>	8	157	80	60	94	<NA>	<NA>
## 54	1956	NL	CIN	CIN	<NA>	3	155	77	91	63	<NA>	<NA>
## 55	1956	AL	CLE	CLE	<NA>	2	155	77	88	66	<NA>	<NA>
## 56	1956	AL	DET	DET	<NA>	5	155	78	82	72	<NA>	<NA>
## 57	1956	AL	KC1	OAK	<NA>	8	154	77	52	102	<NA>	<NA>
## 58	1956	NL	ML1	ATL	<NA>	2	155	77	92	62	<NA>	<NA>
## 59	1956	NL	NY1	SFG	<NA>	6	154	77	67	87	<NA>	<NA>
## 60	1956	AL	NYA	NYN	<NA>	1	154	77	97	57	<NA>	<NA>
## 61	1956	NL	PHI	PHI	<NA>	5	154	77	71	83	<NA>	<NA>
## 62	1956	NL	PIT	PIT	<NA>	7	157	78	66	88	<NA>	<NA>
## 63	1956	NL	SLN	STL	<NA>	4	156	78	76	78	<NA>	<NA>
## 64	1956	AL	WS1	MIN	<NA>	7	155	77	59	95	<NA>	<NA>
## 65	1957	AL	BAL	BAL	<NA>	5	154	77	76	76	<NA>	<NA>
## 66	1957	AL	BOS	BOS	<NA>	3	154	77	82	72	<NA>	<NA>
## 67	1957	NL	BRO	LAD	<NA>	3	154	77	84	70	<NA>	<NA>
## 68	1957	AL	CHA	CHW	<NA>	2	155	77	90	64	<NA>	<NA>
## 69	1957	NL	CHN	CHC	<NA>	7	156	78	62	92	<NA>	<NA>
## 70	1957	NL	CIN	CIN	<NA>	4	154	77	80	74	<NA>	<NA>
## 71	1957	AL	CLE	CLE	<NA>	6	153	77	76	77	<NA>	<NA>
## 72	1957	AL	DET	DET	<NA>	4	154	77	78	76	<NA>	<NA>
## 73	1957	AL	KC1	OAK	<NA>	7	154	77	59	94	<NA>	<NA>
## 74	1957	NL	ML1	ATL	<NA>	1	155	78	95	59	<NA>	<NA>
## 75	1957	NL	NY1	SFG	<NA>	6	154	77	69	85	<NA>	<NA>
## 76	1957	AL	NYA	NYN	<NA>	1	154	77	98	56	<NA>	<NA>
## 77	1957	NL	PHI	PHI	<NA>	5	156	78	77	77	<NA>	<NA>
## 78	1957	NL	PIT	PIT	<NA>	7	155	77	62	92	<NA>	<NA>
## 79	1957	NL	SLN	STL	<NA>	2	154	77	87	67	<NA>	<NA>
## 80	1957	AL	WS1	MIN	<NA>	8	154	77	55	99	<NA>	<NA>
## 81	1958	AL	BAL	BAL	<NA>	6	154	78	74	79	<NA>	<NA>
## 82	1958	AL	BOS	BOS	<NA>	3	155	77	79	75	<NA>	<NA>
## 83	1958	AL	CHA	CHW	<NA>	2	155	77	82	72	<NA>	<NA>
## 84	1958	NL	CHN	CHC	<NA>	5	154	77	72	82	<NA>	<NA>
## 85	1958	NL	CIN	CIN	<NA>	4	154	77	76	78	<NA>	<NA>
## 86	1958	AL	CLE	CLE	<NA>	4	153	76	77	76	<NA>	<NA>
## 87	1958	AL	DET	DET	<NA>	5	154	77	77	77	<NA>	<NA>
## 88	1958	AL	KC1	OAK	<NA>	7	156	78	73	81	<NA>	<NA>
## 89	1958	NL	LAN	LAD	<NA>	7	154	77	71	83	<NA>	<NA>
## 90	1958	NL	ML1	ATL	<NA>	1	154	77	92	62	<NA>	<NA>
## 91	1958	AL	NYA	NYN	<NA>	1	155	78	92	62	<NA>	<NA>
## 92	1958	NL	PHI	PHI	<NA>	8	154	77	69	85	<NA>	<NA>

## 93	1958	NL	PIT	PIT	<NA>	2	154	77	84	70	<NA>	<NA>
## 94	1958	NL	SFN	SFG	<NA>	3	154	77	80	74	<NA>	<NA>
## 95	1958	NL	SLN	STL	<NA>	5	154	77	72	82	<NA>	<NA>
## 96	1958	AL	WS1	MIN	<NA>	8	156	78	61	93	<NA>	<NA>
## 97	1959	AL	BAL	BAL	<NA>	6	155	78	74	80	<NA>	<NA>
## 98	1959	AL	BOS	BOS	<NA>	5	154	77	75	79	<NA>	<NA>
## 99	1959	AL	CHA	CHW	<NA>	1	156	78	94	60	<NA>	<NA>
## 100	1959	NL	CHN	CHC	<NA>	5	155	77	74	80	<NA>	<NA>
## 101	1959	NL	CIN	CIN	<NA>	5	154	77	74	80	<NA>	<NA>
## 102	1959	AL	CLE	CLE	<NA>	2	154	77	89	65	<NA>	<NA>
## 103	1959	AL	DET	DET	<NA>	4	154	77	76	78	<NA>	<NA>
## 104	1959	AL	KC1	OAK	<NA>	7	154	77	66	88	<NA>	<NA>
## 105	1959	NL	LAN	LAD	<NA>	1	156	78	88	68	<NA>	<NA>
## 106	1959	NL	ML1	ATL	<NA>	2	157	79	86	70	<NA>	<NA>
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## 955	1995	AL	CHA	CHW	C	3	145	72	68	76	N	N
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## 966	1995	AL	ML4	MIL	C	4	144	72	65	79	N	N
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## 1000	1996	NL	PIT	PIT	C	5	162	80	73	89	N	N
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## 1003	1996	NL	SFN	SFG	W	4	162	82	68	94	N	N
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## 1005	1996	AL	TEX	TEX	W	1	163	81	90	72	Y	N
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## 1007	1997	AL	ANA	ANA	W	2	162	82	84	78	N	N
## 1008	1997	NL	ATL	ATL	E	1	162	81	101	61	Y	N
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## 1109	2000	NL	LAN	LAD	W	2	162	81	86	76	N	N
## 1110	2000	NL	MIL	MIL	C	3	163	81	73	89	N	N
## 1111	2000	AL	MIN	MIN	C	5	162	81	69	93	N	N
## 1112	2000	NL	MON	WSN	E	4	162	81	67	95	N	N
## 1113	2000	AL	NYA	NYN	E	1	161	80	87	74	Y	N
## 1114	2000	NL	NYN	NYM	E	2	162	81	94	68	N	Y
## 1115	2000	AL	OAK	OAK	W	1	161	81	91	70	Y	N
## 1116	2000	NL	PHI	PHI	E	5	162	81	65	97	N	N
## 1117	2000	NL	PIT	PIT	C	5	162	81	69	93	N	N
## 1118	2000	NL	SDN	SDP	W	5	162	81	76	86	N	N

##	1119	2000	AL	SEA	SEA	W	2	162	81	91	71	N	Y
##	1120	2000	NL	SFN	SFG	W	1	162	81	97	65	Y	N
##	1121	2000	NL	SLN	STL	C	1	162	81	95	67	Y	N
##	1122	2000	AL	TBA	TBD	E	5	161	80	69	92	N	N
##	1123	2000	AL	TEX	TEX	W	4	162	81	71	91	N	N
##	1124	2000	AL	TOR	TOR	E	3	162	81	83	79	N	N
##	1125	2001	AL	ANA	ANA	W	3	162	81	75	87	N	N
##	1126	2001	NL	ARI	ARI	W	1	162	81	92	70	Y	N
##	1127	2001	NL	ATL	ATL	E	1	162	81	88	74	Y	N
##	1128	2001	AL	BAL	BAL	E	4	162	80	63	98	N	N
##	1129	2001	AL	BOS	BOS	E	2	161	81	82	79	N	N
##	1130	2001	AL	CHA	CHW	C	3	162	81	83	79	N	N
##	1131	2001	NL	CHN	CHC	C	3	162	81	88	74	N	N
##	1132	2001	NL	CIN	CIN	C	5	162	81	66	96	N	N
##	1133	2001	AL	CLE	CLE	C	1	162	80	91	71	Y	N
##	1134	2001	NL	COL	COL	W	5	162	81	73	89	N	N
##	1135	2001	AL	DET	DET	C	4	162	81	66	96	N	N
##	1136	2001	NL	FLO	FLA	E	4	162	80	76	86	N	N
##	1137	2001	NL	HOU	HOU	C	1	162	81	93	69	Y	N
##	1138	2001	AL	KCA	KCR	C	5	162	81	65	97	N	N
##	1139	2001	NL	LAN	LAD	W	3	162	81	86	76	N	N
##	1140	2001	NL	MIL	MIL	C	4	162	81	68	94	N	N
##	1141	2001	AL	MIN	MIN	C	2	162	81	85	77	N	N
##	1142	2001	NL	MON	WSN	E	5	162	81	68	94	N	N
##	1143	2001	AL	NYA	NYN	E	1	161	80	95	65	Y	N
##	1144	2001	NL	NYN	NYM	E	3	162	81	82	80	N	N
##	1145	2001	AL	OAK	OAK	W	2	162	81	102	60	N	Y
##	1146	2001	NL	PHI	PHI	E	2	162	81	86	76	N	N
##	1147	2001	NL	PIT	PIT	C	6	162	81	62	100	N	N
##	1148	2001	NL	SDN	SDP	W	4	162	81	79	83	N	N
##	1149	2001	AL	SEA	SEA	W	1	162	81	116	46	Y	N
##	1150	2001	NL	SFN	SFG	W	2	162	81	90	72	N	N
##	1151	2001	NL	SLN	STL	C	2	162	82	93	69	N	Y
##	1152	2001	AL	TBA	TBD	E	5	162	81	62	100	N	N
##	1153	2001	AL	TEX	TEX	W	4	162	82	73	89	N	N
##	1154	2001	AL	TOR	TOR	E	3	162	82	80	82	N	N
##	1155	2002	AL	ANA	ANA	W	2	162	81	99	63	N	Y
##	1156	2002	NL	ARI	ARI	W	1	162	81	98	64	Y	N
##	1157	2002	NL	ATL	ATL	E	1	161	81	101	59	Y	N
##	1158	2002	AL	BAL	BAL	E	4	162	81	67	95	N	N
##	1159	2002	AL	BOS	BOS	E	2	162	81	93	69	N	N
##	1160	2002	AL	CHA	CHW	C	2	162	81	81	81	N	N
##	1161	2002	NL	CHN	CHC	C	5	162	78	67	95	N	N
##	1162	2002	NL	CIN	CIN	C	3	162	80	78	84	N	N
##	1163	2002	AL	CLE	CLE	C	3	162	81	74	88	N	N
##	1164	2002	NL	COL	COL	W	4	162	81	73	89	N	N
##	1165	2002	AL	DET	DET	C	5	161	80	55	106	N	N
##	1166	2002	NL	FLO	FLA	E	4	162	81	79	83	N	N
##	1167	2002	NL	HOU	HOU	C	2	162	81	84	78	N	N
##	1168	2002	AL	KCA	KCR	C	4	162	77	62	100	N	N
##	1169	2002	NL	LAN	LAD	W	3	162	81	92	70	N	N
##	1170	2002	NL	MIL	MIL	C	6	162	81	56	106	N	N
##	1171	2002	AL	MIN	MIN	C	1	161	81	94	67	Y	N
##	1172	2002	NL	MON	WSN	E	2	162	81	83	79	N	N

##	1173	2002	AL	NYA	NYN	E	1	161	80	103	58	Y	N
##	1174	2002	NL	NYN	NYM	E	5	161	78	75	86	N	N
##	1175	2002	AL	OAK	OAK	W	1	162	81	103	59	Y	N
##	1176	2002	NL	PHI	PHI	E	3	161	79	80	81	N	N
##	1177	2002	NL	PIT	PIT	C	4	161	79	72	89	N	N
##	1178	2002	NL	SDN	SDP	W	5	162	81	66	96	N	N
##	1179	2002	AL	SEA	SEA	W	3	162	81	93	69	N	N
##	1180	2002	NL	SFN	SFG	W	2	162	81	95	66	N	Y
##	1181	2002	NL	SLN	STL	C	1	162	81	97	65	Y	N
##	1182	2002	AL	TBA	TBD	E	5	161	81	55	106	N	N
##	1183	2002	AL	TEX	TEX	W	4	162	80	72	90	N	N
##	1184	2002	AL	TOR	TOR	E	3	162	81	78	84	N	N
##	1185	2003	AL	ANA	ANA	W	3	162	82	77	85	N	N
##	1186	2003	NL	ARI	ARI	W	3	162	81	84	78	N	N
##	1187	2003	NL	ATL	ATL	E	1	162	81	101	61	Y	N
##	1188	2003	AL	BAL	BAL	E	4	163	81	71	91	N	N
##	1189	2003	AL	BOS	BOS	E	2	162	81	95	67	N	Y
##	1190	2003	AL	CHA	CHW	C	2	162	81	86	76	N	N
##	1191	2003	NL	CHN	CHC	C	1	162	81	88	74	Y	N
##	1192	2003	NL	CIN	CIN	C	5	162	81	69	93	N	N
##	1193	2003	AL	CLE	CLE	C	4	162	81	68	94	N	N
##	1194	2003	NL	COL	COL	W	4	162	81	74	88	N	N
##	1195	2003	AL	DET	DET	C	5	162	81	43	119	N	N
##	1196	2003	NL	FLO	FLA	E	2	162	81	91	71	N	Y
##	1197	2003	NL	HOU	HOU	C	2	162	81	87	75	N	N
##	1198	2003	AL	KCA	KCR	C	3	162	80	83	79	N	N
##	1199	2003	NL	LAN	LAD	W	2	162	81	85	77	N	N
##	1200	2003	NL	MIL	MIL	C	6	162	81	68	94	N	N
##	1201	2003	AL	MIN	MIN	C	1	162	81	90	72	Y	N
##	1202	2003	NL	MON	WSN	E	4	162	81	83	79	N	N
##	1203	2003	AL	NYA	NYN	E	1	163	82	101	61	Y	N
##	1204	2003	NL	NYN	NYM	E	5	161	80	66	95	N	N
##	1205	2003	AL	OAK	OAK	W	1	162	81	96	66	Y	N
##	1206	2003	NL	PHI	PHI	E	3	162	81	86	76	N	N
##	1207	2003	NL	PIT	PIT	C	4	162	81	75	87	N	N
##	1208	2003	NL	SDN	SDP	W	5	162	81	64	98	N	N
##	1209	2003	AL	SEA	SEA	W	2	162	81	93	69	N	N
##	1210	2003	NL	SFN	SFG	W	1	161	81	100	61	Y	N
##	1211	2003	NL	SLN	STL	C	3	162	81	85	77	N	N
##	1212	2003	AL	TBA	TBD	E	5	162	81	63	99	N	N
##	1213	2003	AL	TEX	TEX	W	4	162	81	71	91	N	N
##	1214	2003	AL	TOR	TOR	E	3	162	81	86	76	N	N
##	1215	2004	AL	ANA	ANA	W	1	162	81	92	70	Y	N
##	1216	2004	NL	ARI	ARI	W	5	162	81	51	111	N	N
##	1217	2004	NL	ATL	ATL	E	1	162	81	96	66	Y	N
##	1218	2004	AL	BAL	BAL	E	3	162	81	78	84	N	N
##	1219	2004	AL	BOS	BOS	E	2	162	81	98	64	N	Y
##	1220	2004	AL	CHA	CHW	C	2	162	81	83	79	N	N
##	1221	2004	NL	CHN	CHC	C	3	162	82	89	73	N	N
##	1222	2004	NL	CIN	CIN	C	4	162	81	76	86	N	N
##	1223	2004	AL	CLE	CLE	C	3	162	81	80	82	N	N
##	1224	2004	NL	COL	COL	W	4	162	81	68	94	N	N
##	1225	2004	AL	DET	DET	C	4	162	81	72	90	N	N
##	1226	2004	NL	FLO	FLA	E	3	162	80	83	79	N	N

##	1227	2004	NL	HOU	HOU	C	2	162	81	92	70	N	Y
##	1228	2004	AL	KCA	KCR	C	5	162	80	58	104	N	N
##	1229	2004	NL	LAN	LAD	W	1	162	81	93	69	Y	N
##	1230	2004	NL	MIL	MIL	C	6	161	81	67	94	N	N
##	1231	2004	AL	MIN	MIN	C	1	162	81	92	70	Y	N
##	1232	2004	NL	MON	WSN	E	5	162	80	67	95	N	N
##	1233	2004	AL	NYA	NYN	E	1	162	81	101	61	Y	N
##	1234	2004	NL	NYN	NYM	E	4	162	81	71	91	N	N
##	1235	2004	AL	OAK	OAK	W	2	162	81	91	71	N	N
##	1236	2004	NL	PHI	PHI	E	2	162	81	86	76	N	N
##	1237	2004	NL	PIT	PIT	C	5	161	80	72	89	N	N
##	1238	2004	NL	SDN	SDP	W	3	162	81	87	75	N	N
##	1239	2004	AL	SEA	SEA	W	4	162	82	63	99	N	N
##	1240	2004	NL	SFN	SFG	W	2	162	82	91	71	N	N
##	1241	2004	NL	SLN	STL	C	1	162	81	105	57	Y	N
##	1242	2004	AL	TBA	TBD	E	4	161	80	70	91	N	N
##	1243	2004	AL	TEX	TEX	W	3	162	81	89	73	N	N
##	1244	2004	AL	TOR	TOR	E	5	161	81	67	94	N	N
##	1245	2005	NL	ARI	ARI	W	2	162	81	77	85	N	N
##	1246	2005	NL	ATL	ATL	E	1	162	81	90	72	Y	N
##	1247	2005	AL	BAL	BAL	E	4	162	81	74	88	N	N
##	1248	2005	AL	BOS	BOS	E	2	162	81	95	67	N	Y
##	1249	2005	AL	CHA	CHW	C	1	162	81	99	63	Y	N
##	1250	2005	NL	CHN	CHC	C	4	162	81	79	83	N	N
##	1251	2005	NL	CIN	CIN	C	5	163	82	73	89	N	N
##	1252	2005	AL	CLE	CLE	C	2	162	81	93	69	N	N
##	1253	2005	NL	COL	COL	W	5	162	81	67	95	N	N
##	1254	2005	AL	DET	DET	C	4	162	81	71	91	N	N
##	1255	2005	NL	FLO	FLA	E	3	162	81	83	79	N	N
##	1256	2005	NL	HOU	HOU	C	2	163	81	89	73	N	Y
##	1257	2005	AL	KCA	KCR	C	5	162	81	56	106	N	N
##	1258	2005	AL	LAA	ANA	W	1	162	81	95	67	Y	N
##	1259	2005	NL	LAN	LAD	W	4	162	81	71	91	N	N
##	1260	2005	NL	MIL	MIL	C	3	162	81	81	81	N	N
##	1261	2005	AL	MIN	MIN	C	3	162	81	83	79	N	N
##	1262	2005	AL	NYA	NYN	E	1	162	81	95	67	Y	N
##	1263	2005	NL	NYN	NYM	E	3	162	81	83	79	N	N
##	1264	2005	AL	OAK	OAK	W	2	162	81	88	74	N	N
##	1265	2005	NL	PHI	PHI	E	2	162	81	88	74	N	N
##	1266	2005	NL	PIT	PIT	C	6	162	81	67	95	N	N
##	1267	2005	NL	SDN	SDP	W	1	162	81	82	80	Y	N
##	1268	2005	AL	SEA	SEA	W	4	162	81	69	93	N	N
##	1269	2005	NL	SFN	SFG	W	3	162	81	75	87	N	N
##	1270	2005	NL	SLN	STL	C	1	162	81	100	62	Y	N
##	1271	2005	AL	TBA	TBD	E	5	162	81	67	95	N	N
##	1272	2005	AL	TEX	TEX	W	3	162	81	79	83	N	N
##	1273	2005	AL	TOR	TOR	E	3	162	81	80	82	N	N
##	1274	2005	NL	WAS	WSN	E	5	162	81	81	81	N	N
##	1275	2006	NL	ARI	ARI	W	4	162	81	76	86	N	N
##	1276	2006	NL	ATL	ATL	E	3	162	81	79	83	N	N
##	1277	2006	AL	BAL	BAL	E	4	162	81	70	92	N	N
##	1278	2006	AL	BOS	BOS	E	3	162	81	86	76	N	N
##	1279	2006	AL	CHA	CHW	C	3	162	81	90	72	N	N
##	1280	2006	NL	CHN	CHC	C	6	162	81	66	96	N	N

##	1281	2006	NL	CIN	CIN	C	3	162	82	80	82	N	N
##	1282	2006	AL	CLE	CLE	C	4	162	81	78	84	N	N
##	1283	2006	NL	COL	COL	W	4	162	81	76	86	N	N
##	1284	2006	AL	DET	DET	C	2	162	81	95	67	N	Y
##	1285	2006	NL	FLO	FLA	E	4	162	81	78	84	N	N
##	1286	2006	NL	HOU	HOU	C	2	162	81	82	80	N	N
##	1287	2006	AL	KCA	KCR	C	5	162	81	62	100	N	N
##	1288	2006	AL	LAA	ANA	W	2	162	81	89	73	N	N
##	1289	2006	NL	LAN	LAD	W	2	162	81	88	74	N	Y
##	1290	2006	NL	MIL	MIL	C	4	162	81	75	87	N	N
##	1291	2006	AL	MIN	MIN	C	1	162	81	96	66	Y	N
##	1292	2006	AL	NYA	NYN	E	1	162	81	97	65	Y	N
##	1293	2006	NL	NYN	NYM	E	1	162	81	97	65	Y	N
##	1294	2006	AL	OAK	OAK	W	1	162	81	93	69	Y	N
##	1295	2006	NL	PHI	PHI	E	2	162	81	85	77	N	N
##	1296	2006	NL	PIT	PIT	C	5	162	81	67	95	N	N
##	1297	2006	NL	SDN	SDP	W	1	162	81	88	74	Y	N
##	1298	2006	AL	SEA	SEA	W	4	162	81	78	84	N	N
##	1299	2006	NL	SFN	SFG	W	3	161	81	76	85	N	N
##	1300	2006	NL	SLN	STL	C	1	161	80	83	78	Y	N
##	1301	2006	AL	TBA	TBD	E	5	162	81	61	101	N	N
##	1302	2006	AL	TEX	TEX	W	3	162	81	80	82	N	N
##	1303	2006	AL	TOR	TOR	E	2	162	81	87	75	N	N
##	1304	2006	NL	WAS	WSN	E	5	162	81	71	91	N	N
##	1305	2007	NL	ARI	ARI	W	1	162	81	90	72	Y	N
##	1306	2007	NL	ATL	ATL	E	3	162	81	84	78	N	N
##	1307	2007	AL	BAL	BAL	E	4	162	81	69	93	N	N
##	1308	2007	AL	BOS	BOS	E	1	162	81	96	66	Y	N
##	1309	2007	AL	CHA	CHW	C	4	162	81	72	90	N	N
##	1310	2007	NL	CHN	CHC	C	1	162	81	85	77	Y	N
##	1311	2007	NL	CIN	CIN	C	5	162	81	72	90	N	N
##	1312	2007	AL	CLE	CLE	C	1	162	80	96	66	Y	N
##	1313	2007	NL	COL	COL	W	2	163	82	90	73	N	Y
##	1314	2007	AL	DET	DET	C	2	162	81	88	74	N	N
##	1315	2007	NL	FLO	FLA	E	5	162	81	71	91	N	N
##	1316	2007	NL	HOU	HOU	C	4	162	81	73	89	N	N
##	1317	2007	AL	KCA	KCR	C	5	162	81	69	93	N	N
##	1318	2007	AL	LAA	ANA	W	1	162	81	94	68	Y	N
##	1319	2007	NL	LAN	LAD	W	4	162	81	82	80	N	N
##	1320	2007	NL	MIL	MIL	C	2	162	81	83	79	N	N
##	1321	2007	AL	MIN	MIN	C	3	162	81	79	83	N	N
##	1322	2007	AL	NYA	NYN	E	2	162	81	94	68	N	Y
##	1323	2007	NL	NYN	NYM	E	2	162	81	88	74	N	N
##	1324	2007	AL	OAK	OAK	W	3	162	81	76	86	N	N
##	1325	2007	NL	PHI	PHI	E	1	162	81	89	73	Y	N
##	1326	2007	NL	PIT	PIT	C	6	162	81	68	94	N	N
##	1327	2007	NL	SDN	SDP	W	3	163	81	89	74	N	N
##	1328	2007	AL	SEA	SEA	W	2	162	82	88	74	N	N
##	1329	2007	NL	SFN	SFG	W	5	162	81	71	91	N	N
##	1330	2007	NL	SLN	STL	C	3	162	81	78	84	N	N
##	1331	2007	AL	TBA	TBD	E	5	162	81	66	96	N	N
##	1332	2007	AL	TEX	TEX	W	4	162	81	75	87	N	N
##	1333	2007	AL	TOR	TOR	E	3	162	81	83	79	N	N
##	1334	2007	NL	WAS	WSN	E	4	162	81	73	89	N	N

##	1335	2008	NL	ARI	ARI	W	2	162	81	82	80	N	N
##	1336	2008	NL	ATL	ATL	E	4	162	81	72	90	N	N
##	1337	2008	AL	BAL	BAL	E	5	161	81	68	93	N	N
##	1338	2008	AL	BOS	BOS	E	2	162	81	95	67	N	Y
##	1339	2008	AL	CHA	CHW	C	1	163	82	89	74	Y	N
##	1340	2008	NL	CHN	CHC	C	1	161	81	97	64	Y	N
##	1341	2008	NL	CIN	CIN	C	5	162	81	74	88	N	N
##	1342	2008	AL	CLE	CLE	C	3	162	81	81	81	N	N
##	1343	2008	NL	COL	COL	W	3	162	81	74	88	N	N
##	1344	2008	AL	DET	DET	C	5	162	81	74	88	N	N
##	1345	2008	NL	FLO	FLA	E	3	161	81	84	77	N	N
##	1346	2008	NL	HOU	HOU	C	3	161	80	86	75	N	N
##	1347	2008	AL	KCA	KCR	C	4	162	81	75	87	N	N
##	1348	2008	AL	LAA	ANA	W	1	162	81	100	62	Y	N
##	1349	2008	NL	LAN	LAD	W	1	162	81	84	78	Y	N
##	1350	2008	NL	MIL	MIL	C	2	162	81	90	72	N	Y
##	1351	2008	AL	MIN	MIN	C	2	163	81	88	75	N	N
##	1352	2008	AL	NYA	NYN	E	3	162	81	89	73	N	N
##	1353	2008	NL	NYN	NYM	E	2	162	81	89	73	N	N
##	1354	2008	AL	OAK	OAK	W	3	161	81	75	86	N	N
##	1355	2008	NL	PHI	PHI	E	1	162	81	92	70	Y	N
##	1356	2008	NL	PIT	PIT	C	6	162	81	67	95	N	N
##	1357	2008	NL	SDN	SDP	W	5	162	81	63	99	N	N
##	1358	2008	AL	SEA	SEA	W	4	162	81	61	101	N	N
##	1359	2008	NL	SFN	SFG	W	4	162	81	72	90	N	N
##	1360	2008	NL	SLN	STL	C	4	162	81	86	76	N	N
##	1361	2008	AL	TBA	TBD	E	1	162	81	97	65	Y	N
##	1362	2008	AL	TEX	TEX	W	2	162	81	79	83	N	N
##	1363	2008	AL	TOR	TOR	E	4	162	81	86	76	N	N
##	1364	2008	NL	WAS	WSN	E	5	161	80	59	102	N	N
##	1365	2009	NL	ARI	ARI	W	5	162	81	70	92	N	N
##	1366	2009	NL	ATL	ATL	E	3	162	81	86	76	N	N
##	1367	2009	AL	BAL	BAL	E	5	162	81	64	98	N	N
##	1368	2009	AL	BOS	BOS	E	2	162	81	95	67	N	Y
##	1369	2009	AL	CHA	CHW	C	3	162	81	79	83	N	N
##	1370	2009	NL	CHN	CHC	C	2	161	80	83	78	N	N
##	1371	2009	NL	CIN	CIN	C	4	162	81	78	84	N	N
##	1372	2009	AL	CLE	CLE	C	4	162	81	65	97	N	N
##	1373	2009	NL	COL	COL	W	2	162	81	92	70	N	Y
##	1374	2009	AL	DET	DET	C	2	163	81	86	77	N	N
##	1375	2009	NL	FLO	FLA	E	2	162	81	87	75	N	N
##	1376	2009	NL	HOU	HOU	C	5	162	81	74	88	N	N
##	1377	2009	AL	KCA	KCR	C	4	162	81	65	97	N	N
##	1378	2009	AL	LAA	ANA	W	1	162	81	97	65	Y	N
##	1379	2009	NL	LAN	LAD	W	1	162	81	95	67	Y	N
##	1380	2009	NL	MIL	MIL	C	3	162	81	80	82	N	N
##	1381	2009	AL	MIN	MIN	C	1	163	82	87	76	Y	N
##	1382	2009	AL	NYA	NYN	E	1	162	81	103	59	Y	N
##	1383	2009	NL	NYN	NYM	E	4	162	81	70	92	N	N
##	1384	2009	AL	OAK	OAK	W	4	162	81	75	87	N	N
##	1385	2009	NL	PHI	PHI	E	1	162	81	93	69	Y	N
##	1386	2009	NL	PIT	PIT	C	6	161	81	62	99	N	N
##	1387	2009	NL	SDN	SDP	W	4	162	81	75	87	N	N
##	1388	2009	AL	SEA	SEA	W	3	162	81	85	77	N	N

## 1389	2009	NL	SFN	SFG	W	3	162	81	88	74	N	N
## 1390	2009	NL	SLN	STL	C	1	162	81	91	71	Y	N
## 1391	2009	AL	TBA	TBD	E	3	162	81	84	78	N	N
## 1392	2009	AL	TEX	TEX	W	2	162	81	87	75	N	N
## 1393	2009	AL	TOR	TOR	E	4	162	81	75	87	N	N
## 1394	2009	NL	WAS	WSN	E	5	162	81	59	103	N	N
## 1395	2010	NL	ARI	ARI	W	5	162	81	65	97	N	N
## 1396	2010	NL	ATL	ATL	E	2	162	81	91	71	N	Y
## 1397	2010	AL	BAL	BAL	E	5	162	81	66	96	N	N
## 1398	2010	AL	BOS	BOS	E	3	162	81	89	73	N	N
## 1399	2010	AL	CHA	CHW	C	2	162	81	88	74	N	N
## 1400	2010	NL	CHN	CHC	C	5	162	81	75	87	N	N
## 1401	2010	NL	CIN	CIN	C	1	162	81	91	71	Y	N
## 1402	2010	AL	CLE	CLE	C	4	162	81	69	93	N	N
## 1403	2010	NL	COL	COL	W	3	162	81	83	79	N	N
## 1404	2010	AL	DET	DET	C	3	162	81	81	81	N	N
## 1405	2010	NL	FLO	FLA	E	3	162	81	80	82	N	N
## 1406	2010	NL	HOU	HOU	C	4	162	81	76	86	N	N
## 1407	2010	AL	KCA	KCR	C	5	162	81	67	95	N	N
## 1408	2010	AL	LAA	ANA	W	3	162	81	80	82	N	N
## 1409	2010	NL	LAN	LAD	W	4	162	81	80	82	N	N
## 1410	2010	NL	MIL	MIL	C	3	162	81	77	85	N	N
## 1411	2010	AL	MIN	MIN	C	1	162	81	94	68	Y	N
## 1412	2010	AL	NYA	NYN	E	2	162	81	95	67	N	Y
## 1413	2010	NL	NYN	NYM	E	4	162	81	79	83	N	N
## 1414	2010	AL	OAK	OAK	W	2	162	81	81	81	N	N
## 1415	2010	NL	PHI	PHI	E	1	162	84	97	65	Y	N
## 1416	2010	NL	PIT	PIT	C	6	162	81	57	105	N	N
## 1417	2010	NL	SDN	SDP	W	2	162	81	90	72	N	N
## 1418	2010	AL	SEA	SEA	W	4	162	81	61	101	N	N
## 1419	2010	NL	SFN	SFG	W	1	162	81	92	70	Y	N
## 1420	2010	NL	SLN	STL	C	2	162	81	86	76	N	N
## 1421	2010	AL	TBA	TBD	E	1	162	81	96	66	Y	N
## 1422	2010	AL	TEX	TEX	W	1	162	81	90	72	Y	N
## 1423	2010	AL	TOR	TOR	E	4	162	78	85	77	N	N
## 1424	2010	NL	WAS	WSN	E	5	162	81	69	93	N	N
## 1425	2011	NL	ARI	ARI	W	1	162	81	94	68	Y	N
## 1426	2011	NL	ATL	ATL	E	2	162	81	89	73	N	N
## 1427	2011	AL	BAL	BAL	E	5	162	81	69	93	N	N
## 1428	2011	AL	BOS	BOS	E	3	162	81	90	72	N	N
## 1429	2011	AL	CHA	CHW	C	3	162	81	79	83	N	N
## 1430	2011	NL	CHN	CHC	C	5	162	81	71	91	N	N
## 1431	2011	NL	CIN	CIN	C	3	162	81	79	83	N	N
## 1432	2011	AL	CLE	CLE	C	2	162	81	80	82	N	N
## 1433	2011	NL	COL	COL	W	4	162	81	73	89	N	N
## 1434	2011	AL	DET	DET	C	1	162	81	95	67	Y	N
## 1435	2011	NL	FLO	FLA	E	5	162	78	72	90	N	N
## 1436	2011	NL	HOU	HOU	C	6	162	81	56	106	N	N
## 1437	2011	AL	KCA	KCR	C	4	162	81	71	91	N	N
## 1438	2011	AL	LAA	ANA	W	2	162	81	86	76	N	N
## 1439	2011	NL	LAN	LAD	W	3	161	81	82	79	N	N
## 1440	2011	NL	MIL	MIL	C	1	162	81	96	66	Y	N
## 1441	2011	AL	MIN	MIN	C	5	162	81	63	99	N	N
## 1442	2011	AL	NYA	NYN	E	1	162	81	97	65	Y	N

##	1443	2011	NL	NYN	NYM	E	4	162	81	77	85	N	N
##	1444	2011	AL	OAK	OAK	W	3	162	81	74	88	N	N
##	1445	2011	NL	PHI	PHI	E	1	162	81	102	60	Y	N
##	1446	2011	NL	PIT	PIT	C	4	162	81	72	90	N	N
##	1447	2011	NL	SDN	SDP	W	5	162	81	71	91	N	N
##	1448	2011	AL	SEA	SEA	W	4	162	84	67	95	N	N
##	1449	2011	NL	SFN	SFG	W	2	162	81	86	76	N	N
##	1450	2011	NL	SLN	STL	C	2	162	81	90	72	N	Y
##	1451	2011	AL	TBA	TBD	E	2	162	81	91	71	N	Y
##	1452	2011	AL	TEX	TEX	W	1	162	81	96	66	Y	N
##	1453	2011	AL	TOR	TOR	E	4	162	81	81	81	N	N
##	1454	2011	NL	WAS	WSN	E	3	161	80	80	81	N	N
##	1455	2012	NL	ARI	ARI	W	3	162	81	81	81	N	N
##	1456	2012	NL	ATL	ATL	E	2	162	81	94	68	N	Y
##	1457	2012	AL	BAL	BAL	E	2	162	81	93	69	N	Y
##	1458	2012	AL	BOS	BOS	E	5	162	81	69	93	N	N
##	1459	2012	AL	CHA	CHW	C	2	162	81	85	77	N	N
##	1460	2012	NL	CHN	CHC	C	5	162	81	61	101	N	N
##	1461	2012	NL	CIN	CIN	C	1	162	81	97	65	Y	N
##	1462	2012	AL	CLE	CLE	C	4	162	81	68	94	N	N
##	1463	2012	NL	COL	COL	W	5	162	81	64	98	N	N
##	1464	2012	AL	DET	DET	C	1	162	81	88	74	Y	N
##	1465	2012	NL	HOU	HOU	C	6	162	81	55	107	N	N
##	1466	2012	AL	KCA	KCR	C	3	162	81	72	90	N	N
##	1467	2012	AL	LAA	ANA	W	3	162	81	89	73	N	N
##	1468	2012	NL	LAN	LAD	W	2	162	81	86	76	N	N
##	1469	2012	NL	MIA	FLA	E	5	162	81	69	93	N	N
##	1470	2012	NL	MIL	MIL	C	3	162	81	83	79	N	N
##	1471	2012	AL	MIN	MIN	C	5	162	81	66	96	N	N
##	1472	2012	AL	NYA	NYN	E	1	162	81	95	67	Y	N
##	1473	2012	NL	NYN	NYM	E	4	162	81	74	88	N	N
##	1474	2012	AL	OAK	OAK	W	1	162	81	94	68	Y	N
##	1475	2012	NL	PHI	PHI	E	3	162	81	81	81	N	N
##	1476	2012	NL	PIT	PIT	C	4	162	81	79	83	N	N
##	1477	2012	NL	SDN	SDP	W	4	162	81	76	86	N	N
##	1478	2012	AL	SEA	SEA	W	4	162	81	75	87	N	N
##	1479	2012	NL	SFN	SFG	W	1	162	81	94	68	Y	N
##	1480	2012	NL	SLN	STL	C	2	162	81	88	74	N	Y
##	1481	2012	AL	TBA	TBD	E	3	162	81	90	72	N	N
##	1482	2012	AL	TEX	TEX	W	2	162	81	93	69	N	Y
##	1483	2012	AL	TOR	TOR	E	4	162	81	73	89	N	N
##	1484	2012	NL	WAS	WSN	E	1	162	81	98	64	Y	N
##	1485	2013	NL	ARI	ARI	W	2	162	81	81	81	N	N
##	1486	2013	NL	ATL	ATL	E	1	162	81	96	66	Y	N
##	1487	2013	AL	BAL	BAL	E	3	162	81	85	77	N	N
##	1488	2013	AL	BOS	BOS	E	1	162	81	97	65	Y	N
##	1489	2013	AL	CHA	CHW	C	5	162	81	63	99	N	N
##	1490	2013	NL	CHN	CHC	C	5	162	81	66	96	N	N
##	1491	2013	NL	CIN	CIN	C	3	162	80	90	72	N	Y
##	1492	2013	AL	CLE	CLE	C	2	162	81	92	70	N	Y
##	1493	2013	NL	COL	COL	W	5	162	81	74	88	N	N
##	1494	2013	AL	DET	DET	C	1	162	81	93	69	Y	N
##	1495	2013	AL	HOU	HOU	W	5	162	81	51	111	N	N
##	1496	2013	AL	KCA	KCR	C	3	162	81	86	76	N	N

##	1497	2013	AL	LAA	ANA	W	3	162	81	78	84	N	N
##	1498	2013	NL	LAN	LAD	W	1	162	81	92	70	Y	N
##	1499	2013	NL	MIA	FLA	E	5	162	81	62	100	N	N
##	1500	2013	NL	MIL	MIL	C	4	162	81	74	88	N	N
##	1501	2013	AL	MIN	MIN	C	4	162	81	66	96	N	N
##	1502	2013	AL	NYA	NYN	E	4	162	81	85	77	N	N
##	1503	2013	NL	NYN	NYM	E	4	162	81	74	88	N	N
##	1504	2013	AL	OAK	OAK	W	1	162	81	96	66	Y	N
##	1505	2013	NL	PHI	PHI	E	4	162	81	73	89	N	N
##	1506	2013	NL	PIT	PIT	C	2	162	81	94	68	N	Y
##	1507	2013	NL	SDN	SDP	W	3	162	81	76	86	N	N
##	1508	2013	AL	SEA	SEA	W	4	162	81	71	91	N	N
##	1509	2013	NL	SFN	SFG	W	4	162	82	76	86	N	N
##	1510	2013	NL	SLN	STL	C	1	162	81	97	65	Y	N
##	1511	2013	AL	TBA	TBD	E	2	163	81	92	71	N	Y
##	1512	2013	AL	TEX	TEX	W	2	163	82	91	72	N	N
##	1513	2013	AL	TOR	TOR	E	5	162	81	74	88	N	N
##	1514	2013	NL	WAS	WSN	E	2	162	81	86	76	N	N
##	1515	2014	NL	ARI	ARI	W	5	162	81	64	98	N	N
##	1516	2014	NL	ATL	ATL	E	2	162	81	79	83	N	N
##	1517	2014	AL	BAL	BAL	E	1	162	81	96	66	Y	N
##	1518	2014	AL	BOS	BOS	E	5	162	81	71	91	N	N
##	1519	2014	AL	CHA	CHW	C	4	162	81	73	89	N	N
##	1520	2014	NL	CHN	CHC	C	5	162	81	73	89	N	N
##	1521	2014	NL	CIN	CIN	C	4	162	81	76	86	N	N
##	1522	2014	AL	CLE	CLE	C	3	162	81	85	77	N	N
##	1523	2014	NL	COL	COL	W	4	162	81	66	96	N	N
##	1524	2014	AL	DET	DET	C	1	162	81	90	72	Y	N
##	1525	2014	AL	HOU	HOU	W	4	162	81	70	92	N	N
##	1526	2014	AL	KCA	KCR	C	2	162	81	89	73	N	Y
##	1527	2014	AL	LAA	ANA	W	1	162	81	98	64	Y	N
##	1528	2014	NL	LAN	LAD	W	1	162	81	94	68	Y	N
##	1529	2014	NL	MIA	FLA	E	4	162	81	77	85	N	N
##	1530	2014	NL	MIL	MIL	C	3	162	81	82	80	N	N
##	1531	2014	AL	MIN	MIN	C	5	162	81	70	92	N	N
##	1532	2014	AL	NYA	NYN	E	2	162	81	84	78	N	N
##	1533	2014	NL	NYN	NYM	E	3	162	81	79	83	N	N
##	1534	2014	AL	OAK	OAK	W	2	162	81	88	74	N	Y
##	1535	2014	NL	PHI	PHI	E	5	162	81	73	89	N	N
##	1536	2014	NL	PIT	PIT	C	2	162	81	88	74	N	Y
##	1537	2014	NL	SDN	SDP	W	3	162	81	77	85	N	N
##	1538	2014	AL	SEA	SEA	W	3	162	81	87	75	N	N
##	1539	2014	NL	SFN	SFG	W	2	162	81	88	74	N	Y
##	1540	2014	NL	SLN	STL	C	1	162	81	90	72	Y	N
##	1541	2014	AL	TBA	TBD	E	4	162	81	77	85	N	N
##	1542	2014	AL	TEX	TEX	W	5	162	81	67	95	N	N
##	1543	2014	AL	TOR	TOR	E	3	162	81	83	79	N	N
##	1544	2014	NL	WAS	WSN	E	1	162	81	96	66	Y	N
##	1545	2015	NL	ARI	ARI	W	3	162	81	79	83	N	N
##	1546	2015	NL	ATL	ATL	E	4	162	81	67	95	N	N
##	1547	2015	AL	BAL	BAL	E	3	162	78	81	81	N	N
##	1548	2015	AL	BOS	BOS	E	5	162	81	78	84	N	N
##	1549	2015	AL	CHA	CHW	C	4	162	81	76	86	N	N
##	1550	2015	NL	CHN	CHC	C	3	162	81	97	65	N	Y

##	1551	2015	NL	CIN	CIN	C	5	162	81	64	98	N	N
##	1552	2015	AL	CLE	CLE	C	3	161	80	81	80	N	N
##	1553	2015	NL	COL	COL	W	5	162	81	68	94	N	N
##	1554	2015	AL	DET	DET	C	5	161	81	74	87	N	N
##	1555	2015	AL	HOU	HOU	W	2	162	81	86	76	N	Y
##	1556	2015	AL	KCA	KCR	C	1	162	81	95	67	Y	N
##	1557	2015	AL	LAA	ANA	W	3	162	81	85	77	N	N
##	1558	2015	NL	LAN	LAD	W	1	162	81	92	70	Y	N
##	1559	2015	NL	MIA	FLA	E	3	162	81	71	91	N	N
##	1560	2015	NL	MIL	MIL	C	4	162	81	68	94	N	N
##	1561	2015	AL	MIN	MIN	C	2	162	81	83	79	N	N
##	1562	2015	AL	NYA	NYN	E	2	162	81	87	75	N	Y
##	1563	2015	NL	NYN	NYM	E	1	162	81	90	72	Y	N
##	1564	2015	AL	OAK	OAK	W	5	162	81	68	94	N	N
##	1565	2015	NL	PHI	PHI	E	5	162	81	63	99	N	N
##	1566	2015	NL	PIT	PIT	C	2	162	81	98	64	N	Y
##	1567	2015	NL	SDN	SDP	W	4	162	81	74	88	N	N
##	1568	2015	AL	SEA	SEA	W	4	162	81	76	86	N	N
##	1569	2015	NL	SFN	SFG	W	2	162	81	84	78	N	N
##	1570	2015	NL	SLN	STL	C	1	162	81	100	62	Y	N
##	1571	2015	AL	TBA	TBD	E	4	162	84	80	82	N	N
##	1572	2015	AL	TEX	TEX	W	1	162	81	88	74	Y	N
##	1573	2015	AL	TOR	TOR	E	1	162	81	93	69	Y	N
##	1574	2015	NL	WAS	WSN	E	2	162	81	83	79	N	N
##	1575	2016	NL	ARI	ARI	W	4	162	81	69	93	N	N
##	1576	2016	NL	ATL	ATL	E	5	161	81	68	93	N	N
##	1577	2016	AL	BAL	BAL	E	2	162	81	89	73	N	Y
##	1578	2016	AL	BOS	BOS	E	1	162	81	93	69	Y	N
##	1579	2016	AL	CHA	CHW	C	4	162	81	78	84	N	N
##	1580	2016	NL	CHN	CHC	C	1	162	81	103	58	Y	N
##	1581	2016	NL	CIN	CIN	C	5	162	81	68	94	N	N
##	1582	2016	AL	CLE	CLE	C	1	161	80	94	67	Y	N
##	1583	2016	NL	COL	COL	W	3	162	81	75	87	N	N
##	1584	2016	AL	DET	DET	C	2	161	81	86	75	N	N
##	1585	2016	AL	HOU	HOU	W	3	162	81	84	78	N	N
##	1586	2016	AL	KCA	KCR	C	3	162	81	81	81	N	N
##	1587	2016	AL	LAA	ANA	W	4	162	81	74	88	N	N
##	1588	2016	NL	LAN	LAD	W	1	162	81	91	71	Y	N
##	1589	2016	NL	MIA	FLA	E	3	161	80	79	82	N	N
##	1590	2016	NL	MIL	MIL	C	4	162	81	73	89	N	N
##	1591	2016	AL	MIN	MIN	C	5	162	81	59	103	N	N
##	1592	2016	AL	NYA	NYN	E	4	162	81	84	78	N	N
##	1593	2016	NL	NYN	NYM	E	2	162	81	87	75	N	Y
##	1594	2016	AL	OAK	OAK	W	5	162	81	69	93	N	N
##	1595	2016	NL	PHI	PHI	E	4	162	81	71	91	N	N
##	1596	2016	NL	PIT	PIT	C	3	162	81	78	83	N	N
##	1597	2016	NL	SDN	SDP	W	5	162	81	68	94	N	N
##	1598	2016	AL	SEA	SEA	W	2	162	81	86	76	N	N
##	1599	2016	NL	SFN	SFG	W	2	162	81	87	75	N	Y
##	1600	2016	NL	SLN	STL	C	2	162	81	86	76	N	N
##	1601	2016	AL	TBA	TBD	E	5	162	81	68	94	N	N
##	1602	2016	AL	TEX	TEX	W	1	162	81	95	67	Y	N
##	1603	2016	AL	TOR	TOR	E	2	162	81	89	73	N	Y
##	1604	2016	NL	WAS	WSN	E	1	162	81	95	67	Y	N

##	LgWin	WSWin	R	AB	H	X2B	X3B	HR	BB	SO	SB	CS	HBP	SF	RA	ER
## 1	N	N	656	5246	1385	255	37	101	496	601	33	45	NA	NA	632	546
## 2	Y	N	955	5373	1529	274	59	208	655	686	90	47	NA	NA	689	629
## 3	N	N	716	5212	1345	226	53	74	601	530	73	55	NA	NA	592	532
## 4	N	N	633	5272	1372	204	57	137	514	746	49	21	NA	NA	835	723
## 5	N	N	714	5343	1396	190	34	166	485	701	25	20	NA	NA	788	704
## 6	N	N	770	5285	1426	201	29	160	609	683	33	29	NA	NA	627	555
## 7	N	N	695	5553	1479	259	44	108	506	603	30	35	NA	NA	923	825
## 8	N	N	738	5349	1422	227	52	156	439	637	46	27	NA	NA	589	509
## 9	N	N	768	5362	1452	195	45	176	499	608	31	21	NA	NA	747	645
## 10	Y	Y	801	5194	1420	226	52	139	656	644	34	44	NA	NA	547	483
## 11	N	N	632	5455	1398	205	38	116	498	602	41	24	NA	NA	799	731
## 12	N	N	716	5290	1400	228	62	115	530	597	42	21	NA	NA	666	578
## 13	N	N	622	5253	1297	178	49	99	524	715	41	39	NA	NA	887	788
## 14	N	N	555	5264	1310	214	25	112	507	644	17	34	NA	NA	778	688
## 15	N	N	768	5397	1474	281	56	140	574	617	18	22	NA	NA	713	651
## 16	N	N	687	5149	1354	230	53	69	596	604	65	36	NA	NA	614	547
## 17	N	N	483	5206	1309	195	49	52	468	634	30	31	NA	NA	668	592
## 18	N	N	700	5399	1436	244	41	123	654	660	51	30	NA	NA	728	629
## 19	N	N	778	5251	1418	246	56	186	634	625	46	39	NA	NA	740	667
## 20	N	N	711	5168	1382	203	47	94	604	536	98	58	NA	NA	521	469
## 21	N	N	700	5359	1412	229	45	159	478	693	46	31	NA	NA	766	689
## 22	N	N	729	5234	1369	221	46	147	557	645	47	30	NA	NA	763	684
## 23	Y	N	746	5222	1368	188	39	156	637	668	30	33	NA	NA	504	438
## 24	N	N	584	5233	1351	215	41	90	492	603	48	44	NA	NA	664	585
## 25	N	N	670	5261	1395	217	41	139	471	619	54	31	NA	NA	556	494
## 26	Y	Y	732	5245	1386	194	42	186	522	561	30	23	NA	NA	550	477
## 27	N	N	805	5226	1400	215	59	133	650	632	34	41	NA	NA	563	500
## 28	N	N	542	5206	1228	191	41	94	504	677	30	29	NA	NA	875	789
## 29	N	N	659	5184	1384	243	58	102	604	620	30	27	NA	NA	614	544
## 30	N	N	557	5088	1260	181	57	76	566	737	21	13	NA	NA	845	736
## 31	N	N	799	5405	1518	285	58	119	582	586	63	46	NA	NA	790	695
## 32	N	N	632	5249	1292	188	69	81	610	719	37	21	NA	NA	680	590
## 33	N	N	540	5257	1263	177	39	54	560	742	34	46	NA	NA	754	649
## 34	N	N	755	5273	1392	241	39	137	707	733	43	17	NA	NA	652	572
## 35	Y	Y	857	5193	1406	230	44	201	674	718	79	56	NA	NA	650	563
## 36	N	N	725	5220	1401	204	36	116	567	595	69	45	NA	NA	557	516
## 37	N	N	626	5214	1287	187	55	164	428	806	37	35	NA	NA	713	638
## 38	N	N	761	5270	1424	216	28	181	556	657	51	36	NA	NA	684	598
## 39	N	N	698	5146	1325	195	31	148	723	715	28	24	NA	NA	601	522
## 40	N	N	775	5283	1407	211	38	130	641	583	41	22	NA	NA	658	581
## 41	N	N	638	5335	1395	189	46	121	463	725	22	36	NA	NA	911	822
## 42	N	N	743	5277	1377	219	55	182	504	735	42	27	NA	NA	668	592
## 43	N	N	702	5288	1377	173	34	169	497	581	38	22	NA	NA	673	581
## 44	Y	N	762	5161	1342	179	55	175	609	658	55	25	NA	NA	569	492
## 45	N	N	675	5092	1300	214	50	132	652	673	44	32	NA	NA	666	592
## 46	N	N	560	5173	1262	210	60	91	471	652	22	22	NA	NA	767	664
## 47	N	N	654	5266	1375	228	36	143	458	597	64	59	NA	NA	757	697
## 48	N	N	598	5142	1277	178	54	80	538	654	25	32	NA	NA	789	695
## 49	N	N	571	5090	1242	198	34	91	563	725	39	42	NA	NA	705	635
## 50	N	N	780	5349	1473	261	45	139	727	687	28	19	NA	NA	751	648
## 51	Y	N	720	5098	1315	212	36	179	649	738	65	37	NA	NA	601	543
## 52	N	N	776	5286	1412	218	43	128	619	660	70	33	NA	NA	634	576
## 53	N	N	597	5260	1281	202	50	142	446	776	55	38	NA	NA	708	612

## 54	N	N	775	5291	1406	201	32	221	528	760	45	22	NA	NA	658	594
## 55	N	N	712	5148	1256	199	23	153	681	764	40	32	NA	NA	581	511
## 56	N	N	789	5364	1494	209	50	150	644	618	43	26	NA	NA	699	622
## 57	N	N	619	5256	1325	204	41	112	480	727	40	30	NA	NA	831	740
## 58	N	N	709	5207	1350	212	54	177	486	714	29	20	NA	NA	569	481
## 59	N	N	540	5190	1268	192	45	145	402	659	67	34	NA	NA	650	579
## 60	Y	Y	857	5312	1433	193	55	190	615	755	51	37	NA	NA	631	557
## 61	N	N	668	5204	1313	207	49	121	585	673	45	23	NA	NA	738	643
## 62	N	N	588	5221	1340	199	57	110	383	752	24	33	NA	NA	653	572
## 63	N	N	678	5378	1443	234	49	124	503	622	41	35	NA	NA	698	612
## 64	N	N	652	5202	1302	198	62	112	690	877	37	34	NA	NA	924	810
## 65	N	N	597	5264	1326	191	39	87	504	699	57	35	NA	NA	588	541
## 66	N	N	721	5267	1380	231	32	153	624	739	29	21	NA	NA	668	593
## 67	N	N	690	5242	1325	188	38	147	550	848	60	34	NA	NA	591	521
## 68	N	N	707	5265	1369	208	41	106	633	745	109	51	NA	NA	566	521
## 69	N	N	628	5369	1312	223	31	147	461	989	28	25	NA	NA	722	644
## 70	N	N	747	5389	1452	251	33	187	546	752	51	36	NA	NA	781	716
## 71	N	N	682	5171	1304	199	26	140	591	786	40	47	NA	NA	722	623
## 72	N	N	614	5348	1376	224	37	116	504	643	36	47	NA	NA	614	561
## 73	N	N	563	5170	1262	195	40	166	364	760	35	27	NA	NA	710	637
## 74	Y	Y	772	5458	1469	221	62	199	461	729	35	16	NA	NA	613	544
## 75	N	N	643	5346	1349	171	54	157	447	669	64	38	NA	NA	701	623
## 76	Y	N	723	5271	1412	200	54	145	562	709	49	38	NA	NA	534	465
## 77	N	N	623	5241	1311	213	44	117	534	758	57	26	NA	NA	656	590
## 78	N	N	586	5402	1447	231	60	92	374	733	46	35	NA	NA	696	601
## 79	N	N	737	5472	1497	235	43	132	493	672	58	44	NA	NA	666	593
## 80	N	N	603	5231	1274	215	38	111	527	733	13	38	NA	NA	808	742
## 81	N	N	521	5111	1233	195	19	108	483	731	33	35	NA	NA	575	517
## 82	N	N	697	5218	1335	229	30	155	638	820	29	22	NA	NA	691	601
## 83	N	N	634	5249	1348	191	42	101	518	669	101	33	NA	NA	615	557
## 84	N	N	709	5289	1402	207	49	182	487	853	39	23	NA	NA	725	638
## 85	N	N	695	5273	1359	242	40	123	572	765	61	38	NA	NA	621	574
## 86	N	N	694	5201	1340	210	31	161	494	819	50	49	NA	NA	635	569
## 87	N	N	659	5194	1384	229	41	109	463	678	48	32	NA	NA	606	541
## 88	N	N	642	5261	1297	196	50	138	452	747	22	36	NA	NA	713	645
## 89	N	N	668	5173	1297	166	50	172	495	850	73	47	NA	NA	761	679
## 90	Y	N	675	5225	1388	221	21	167	478	646	26	8	NA	NA	541	491
## 91	Y	Y	759	5294	1418	212	39	164	537	822	48	32	NA	NA	577	493
## 92	N	N	664	5363	1424	238	56	124	573	871	51	33	NA	NA	762	671
## 93	N	N	662	5247	1386	229	68	134	396	753	30	15	NA	NA	607	541
## 94	N	N	727	5318	1399	250	42	170	531	817	64	29	NA	NA	698	614
## 95	N	N	619	5255	1371	216	39	111	533	637	44	43	NA	NA	704	632
## 96	N	N	553	5156	1240	161	38	121	477	751	22	41	NA	NA	747	693
## 97	N	N	551	5208	1240	182	23	109	536	690	36	24	NA	NA	621	554
## 98	N	N	726	5225	1335	248	28	125	626	810	68	25	NA	NA	696	632
## 99	Y	N	669	5297	1325	220	46	97	580	634	113	53	NA	NA	588	521
## 100	N	N	673	5296	1321	209	44	163	498	911	32	19	NA	NA	688	620
## 101	N	N	764	5288	1448	258	34	161	499	763	65	28	NA	NA	738	650
## 102	N	N	745	5288	1390	216	25	167	433	721	33	36	NA	NA	646	576
## 103	N	N	713	5211	1346	196	30	160	580	737	34	17	NA	NA	732	635
## 104	N	N	681	5264	1383	231	43	117	481	780	34	24	NA	NA	760	657
## 105	Y	Y	705	5282	1360	196	46	148	591	891	84	51	NA	NA	670	594
## 106	N	N	724	5388	1426	216	36	177	488	765	41	14	NA	NA	623	546
## 107	N	N	687	5379	1397	224	40	153	457	828	45	22	NA	NA	647	560

## 108	N	N	599	5109	1237	196	38	113	498	858	39	46	NA	NA	725	642
## 109	N	N	651	5369	1414	230	42	112	442	715	32	26	NA	NA	680	604
## 110	N	N	705	5281	1377	239	35	167	473	875	81	34	NA	NA	613	531
## 111	N	N	641	5317	1432	244	49	118	485	747	65	53	NA	NA	725	657
## 112	N	N	619	5092	1205	173	32	163	517	881	51	34	NA	NA	701	606
## 113	N	N	682	5170	1307	206	33	123	596	801	37	24	NA	NA	606	538
## 114	N	N	658	5215	1359	234	32	124	570	798	34	28	NA	NA	775	699
## 115	N	N	741	5191	1402	242	38	112	567	648	122	48	NA	NA	617	552
## 116	N	N	634	5311	1293	213	48	119	531	897	51	34	NA	NA	776	678
## 117	N	N	640	5289	1324	230	40	140	512	858	73	37	NA	NA	692	618
## 118	N	N	667	5296	1415	218	20	127	444	573	58	25	NA	NA	693	607
## 119	N	N	633	5202	1243	188	34	150	636	728	66	32	NA	NA	644	568
## 120	N	N	615	5226	1303	212	34	110	513	744	16	11	NA	NA	756	669
## 121	N	N	662	5227	1333	216	38	126	529	837	95	53	NA	NA	593	528
## 122	N	N	724	5263	1393	198	48	170	463	793	69	37	NA	NA	658	579
## 123	Y	N	746	5290	1377	215	40	193	537	818	37	23	NA	NA	627	547
## 124	N	N	546	5169	1235	196	44	99	448	1054	45	48	NA	NA	691	613
## 125	Y	Y	734	5406	1493	236	56	120	486	747	34	24	NA	NA	593	543
## 126	N	N	671	5324	1357	220	62	130	467	846	86	45	NA	NA	631	534
## 127	N	N	639	5187	1317	213	48	138	501	792	48	35	NA	NA	616	554
## 128	N	N	672	5248	1283	205	43	147	584	883	52	43	NA	NA	696	589
## 129	N	N	691	5481	1393	227	36	149	581	902	39	30	NA	NA	588	526
## 130	N	N	729	5508	1401	251	37	112	647	847	56	36	NA	NA	792	687
## 131	N	N	765	5556	1475	216	46	138	550	612	100	40	NA	NA	726	653
## 132	N	N	689	5344	1364	238	51	176	539	1027	35	25	NA	NA	800	689
## 133	Y	N	710	5243	1414	247	35	158	423	761	70	33	NA	NA	653	575
## 134	N	N	737	5609	1493	257	39	150	492	720	34	11	NA	NA	752	665
## 135	N	N	841	5561	1481	215	53	180	673	867	98	36	NA	NA	671	575
## 136	N	N	683	5423	1342	216	47	90	580	772	58	22	NA	NA	863	745
## 137	N	N	744	5424	1331	218	22	189	681	1068	37	28	NA	NA	784	689
## 138	N	N	735	5189	1358	193	40	157	596	796	86	45	NA	NA	697	619
## 139	N	N	707	5417	1353	215	40	167	597	840	47	43	NA	NA	778	681
## 140	N	N	712	5288	1365	199	34	188	534	880	70	43	NA	NA	656	601
## 141	Y	Y	827	5559	1461	194	40	240	543	785	28	18	NA	NA	612	558
## 142	N	N	584	5213	1265	185	50	103	475	928	56	30	NA	NA	796	708
## 143	N	N	694	5311	1448	232	57	128	428	721	26	30	NA	NA	675	593
## 144	N	N	773	5233	1379	219	32	183	506	764	79	54	NA	NA	655	581
## 145	N	N	703	5307	1436	236	51	103	494	745	46	28	NA	NA	668	568
## 146	N	N	618	5366	1307	217	44	119	558	917	81	47	NA	NA	776	670
## 147	N	N	652	5491	1363	225	34	156	516	931	45	32	NA	NA	680	599
## 148	N	N	707	5530	1429	257	53	146	525	923	39	33	NA	NA	756	674
## 149	N	N	707	5514	1415	250	56	92	620	674	76	40	NA	NA	658	601
## 150	N	N	632	5534	1398	196	56	126	504	1044	78	50	NA	NA	827	725
## 151	N	N	802	5645	1523	252	40	167	498	903	66	39	NA	NA	685	608
## 152	N	N	682	5484	1341	202	22	180	502	939	35	16	NA	NA	745	663
## 153	N	N	758	5456	1352	191	36	209	651	894	69	21	NA	NA	692	611
## 154	N	N	592	5558	1370	170	47	105	493	806	42	30	NA	NA	717	618
## 155	N	N	745	5576	1467	220	58	116	556	803	76	21	NA	NA	837	763
## 156	N	N	718	5499	1377	232	35	137	602	917	46	27	NA	NA	706	603
## 157	N	N	842	5628	1510	192	65	140	572	886	198	43	NA	NA	697	599
## 158	N	N	798	5561	1445	215	39	185	649	823	33	20	NA	NA	713	632
## 159	N	N	730	5458	1376	204	38	181	581	975	57	27	NA	NA	665	586
## 160	Y	Y	817	5644	1509	240	29	199	584	842	42	29	NA	NA	680	604
## 161	N	N	617	5492	1318	166	40	139	616	991	59	48	NA	NA	948	801

## 162	N	N	705	5420	1410	199	39	142	531	923	79	42	NA	NA	759	678
## 163	N	N	706	5483	1468	240	65	108	432	836	50	39	NA	NA	626	536
## 164	Y	N	878	5588	1552	235	32	204	523	822	73	50	NA	NA	690	615
## 165	N	N	774	5643	1528	221	31	137	515	846	86	41	NA	NA	664	577
## 166	N	N	599	5484	1370	206	38	132	466	789	99	53	NA	NA	716	649
## 167	N	N	644	5448	1359	207	32	146	469	940	97	34	NA	NA	621	557
## 168	N	N	666	5575	1403	247	34	171	475	954	27	16	NA	NA	704	639
## 169	N	N	683	5508	1379	208	40	114	571	896	64	28	NA	NA	544	485
## 170	N	N	570	5404	1286	205	44	127	439	1049	68	60	NA	NA	578	499
## 171	N	N	648	5416	1333	225	44	122	474	960	92	58	NA	NA	594	526
## 172	N	N	635	5496	1314	214	29	169	469	1102	59	36	NA	NA	702	619
## 173	N	N	700	5500	1388	195	36	148	592	908	73	32	NA	NA	703	631
## 174	N	N	464	5384	1184	170	39	62	456	938	39	30	NA	NA	640	554
## 175	N	N	615	5495	1356	225	38	95	529	829	47	26	NA	NA	704	635
## 176	N	N	597	5506	1378	208	38	95	448	916	43	30	NA	NA	660	569
## 177	Y	Y	640	5428	1361	178	34	110	453	867	124	70	NA	NA	550	465
## 178	N	N	767	5531	1408	223	35	225	547	912	32	14	NA	NA	602	527
## 179	N	N	677	5518	1345	204	39	139	525	954	75	52	NA	NA	603	534
## 180	Y	N	714	5506	1387	197	35	188	434	808	42	26	NA	NA	547	494
## 181	N	N	501	5336	1168	156	35	96	457	1078	41	52	NA	NA	774	653
## 182	N	N	642	5524	1390	228	54	126	403	955	56	39	NA	NA	578	500
## 183	N	N	567	5536	1385	181	49	108	454	940	57	41	NA	NA	595	499
## 184	N	N	725	5579	1442	206	35	197	441	889	55	49	NA	NA	641	547
## 185	N	N	747	5678	1540	231	66	128	458	915	77	42	NA	NA	628	540
## 186	N	N	578	5446	1237	190	35	138	497	963	68	28	NA	NA	812	711
## 187	N	N	679	5463	1357	229	20	162	537	1019	78	38	NA	NA	567	512
## 188	N	N	688	5513	1425	253	29	186	504	917	18	16	NA	NA	793	711
## 189	N	N	642	5491	1356	184	40	106	562	902	75	39	NA	NA	501	443
## 190	N	N	649	5545	1391	239	50	145	499	1041	70	49	NA	NA	724	655
## 191	N	N	660	5561	1383	220	38	130	457	974	90	36	NA	NA	566	500
## 192	N	N	689	5603	1386	208	22	164	500	1063	79	51	NA	NA	693	620
## 193	N	N	699	5513	1394	199	57	157	517	912	60	27	NA	NA	678	620
## 194	N	N	495	5303	1214	162	41	70	381	872	40	48	NA	NA	628	541
## 195	N	N	621	5524	1321	216	29	166	548	1104	34	20	NA	NA	836	761
## 196	N	N	544	5362	1297	186	27	102	472	920	49	39	NA	NA	551	469
## 197	N	N	614	5499	1375	180	39	79	438	893	141	60	NA	NA	572	486
## 198	N	N	737	5610	1413	227	46	221	553	1019	46	22	NA	NA	678	588
## 199	N	N	803	5591	1522	274	32	159	486	825	53	41	NA	NA	744	656
## 200	Y	N	730	5705	1442	208	35	162	520	976	54	18	NA	NA	577	527
## 201	N	N	569	5566	1372	195	31	103	353	932	36	31	NA	NA	776	679
## 202	N	N	693	5493	1415	241	51	130	440	924	30	35	NA	NA	632	545
## 203	N	N	663	5566	1469	225	54	121	408	970	39	33	NA	NA	636	564
## 204	N	N	656	5535	1360	185	38	165	505	900	64	35	NA	NA	587	523
## 205	Y	Y	715	5625	1531	240	53	109	427	925	73	51	NA	NA	652	551
## 206	N	N	578	5396	1246	199	28	125	514	1124	47	30	NA	NA	733	635
## 207	N	N	641	5450	1299	227	38	125	529	907	67	31	NA	NA	578	489
## 208	N	N	669	5487	1378	244	40	165	607	964	47	24	NA	NA	791	678
## 209	N	N	527	5354	1279	200	36	92	443	973	107	59	NA	NA	569	508
## 210	N	N	647	5509	1354	200	38	125	533	916	50	33	NA	NA	555	492
## 211	N	N	635	5540	1316	202	33	134	532	948	65	47	NA	NA	723	618
## 212	N	N	825	5658	1544	268	61	183	538	1003	82	40	NA	NA	704	628
## 213	N	N	663	5469	1367	198	21	156	506	857	109	46	NA	NA	613	535
## 214	N	N	680	5368	1278	190	27	162	554	952	57	41	NA	NA	602	542
## 215	N	N	569	5483	1299	188	42	97	502	877	90	37	NA	NA	711	623

## 216	N	N	585	5393	1294	186	59	110	521	1020	110	51	NA	NA	755	675
## 217	Y	Y	608	5425	1329	193	32	78	492	891	172	77	NA	NA	521	461
## 218	Y	N	774	5488	1396	257	42	150	554	969	92	33	NA	NA	600	508
## 219	N	N	708	5542	1419	243	28	196	408	976	64	37	NA	NA	633	566
## 220	N	N	611	5470	1286	196	31	149	489	951	35	20	NA	NA	604	532
## 221	N	N	495	5441	1202	203	27	107	392	1129	28	42	NA	NA	752	656
## 222	N	N	654	5528	1380	205	53	144	494	1091	46	32	NA	NA	667	576
## 223	N	N	675	5686	1506	217	57	111	419	1008	51	38	NA	NA	580	495
## 224	N	N	682	5495	1384	169	43	159	476	844	47	27	NA	NA	593	521
## 225	N	N	707	5579	1415	234	46	109	477	882	100	52	NA	NA	674	612
## 226	N	N	591	5374	1227	179	33	136	570	1125	30	19	NA	NA	721	627
## 227	N	N	782	5617	1476	220	32	207	512	913	59	47	NA	NA	683	601
## 228	Y	Y	755	5529	1426	243	35	175	514	926	55	43	NA	NA	601	541
## 229	N	N	655	5498	1318	228	44	145	542	1020	35	24	NA	NA	731	637
## 230	N	N	604	5360	1244	179	54	122	525	1062	80	54	NA	NA	643	576
## 231	N	N	574	5348	1235	193	40	87	476	872	153	78	NA	NA	517	439
## 232	N	N	644	5592	1418	203	43	140	457	998	76	47	NA	NA	809	701
## 233	N	N	692	5521	1434	232	33	149	394	877	70	50	NA	NA	702	651
## 234	N	N	574	5474	1300	156	25	155	450	914	53	41	NA	NA	586	526
## 235	N	N	719	5507	1383	224	45	179	551	987	41	34	NA	NA	698	622
## 236	N	N	612	5511	1405	203	35	112	491	885	90	47	NA	NA	695	603
## 237	N	N	564	5328	1259	212	56	70	421	982	132	50	NA	NA	648	568
## 238	Y	N	606	5471	1399	201	27	108	430	830	94	64	NA	NA	490	424
## 239	N	N	663	5390	1341	219	33	144	513	844	67	42	NA	NA	581	500
## 240	N	N	611	5330	1254	182	36	162	485	817	49	29	NA	NA	612	536
## 241	N	N	587	5371	1286	187	35	98	446	992	55	46	NA	NA	761	661
## 242	N	N	696	5607	1448	224	49	117	510	969	56	42	NA	NA	640	579
## 243	N	N	759	5676	1586	238	66	158	405	1011	64	60	NA	NA	641	572
## 244	N	N	675	5539	1373	195	31	181	414	860	29	30	NA	NA	626	531
## 245	N	N	571	5480	1377	196	61	108	345	977	144	61	NA	NA	577	504
## 246	N	N	557	5318	1245	185	40	126	450	1069	53	37	NA	NA	659	583
## 247	N	N	631	5450	1307	191	29	158	512	947	55	45	NA	NA	640	561
## 248	N	N	654	5456	1312	215	44	138	531	1002	54	37	NA	NA	592	537
## 249	Y	N	722	5471	1394	216	39	158	522	1020	68	59	NA	NA	614	545
## 250	N	N	567	5307	1265	170	37	114	453	1021	40	36	NA	NA	587	507
## 251	N	N	531	5383	1209	181	34	89	480	849	124	82	NA	NA	491	406
## 252	N	N	702	5463	1373	211	49	128	509	912	63	50	NA	NA	624	563
## 253	N	N	604	5519	1366	251	54	109	372	969	92	63	NA	NA	563	497
## 254	N	N	559	5461	1282	213	35	131	413	984	53	65	NA	NA	613	533
## 255	N	N	683	5410	1315	192	36	152	626	994	37	21	NA	NA	587	532
## 256	N	N	626	5506	1372	259	46	93	537	934	88	38	NA	NA	742	647
## 257	N	N	533	5349	1244	212	50	69	452	1019	132	59	NA	NA	660	584
## 258	N	N	519	5456	1285	203	38	82	485	881	56	47	NA	NA	595	525
## 259	N	N	671	5458	1309	216	48	131	512	976	55	37	NA	NA	590	510
## 260	N	N	522	5443	1225	166	17	100	532	1043	63	37	NA	NA	621	533
## 261	N	N	498	5417	1288	178	23	83	362	981	58	44	NA	NA	672	594
## 262	N	N	612	5401	1306	221	47	103	545	1033	79	62	NA	NA	581	500
## 263	N	N	679	5724	1585	193	62	91	387	914	79	37	NA	NA	693	606
## 264	N	N	652	5524	1354	201	39	140	520	978	22	30	NA	NA	551	478
## 265	Y	Y	695	5566	1462	225	40	115	443	919	102	54	NA	NA	557	496
## 266	N	N	550	5441	1211	168	25	115	472	1037	53	37	NA	NA	637	553
## 267	N	N	514	5552	1399	179	31	80	414	782	83	44	NA	NA	549	478
## 268	N	N	579	5275	1187	215	28	133	570	1019	78	32	NA	NA	497	429
## 269	N	N	614	5303	1253	207	17	125	582	974	76	62	NA	NA	611	535

## 270	N	N	498	5331	1209	170	33	83	447	1080	62	50	NA	NA	615	548
## 271	N	N	463	5405	1233	169	33	71	397	840	90	50	NA	NA	527	449
## 272	N	N	612	5458	1319	203	43	130	415	854	41	30	NA	NA	611	551
## 273	N	N	690	5767	1573	281	36	106	379	938	59	55	NA	NA	673	589
## 274	N	N	516	5416	1266	210	36	75	427	858	115	61	NA	NA	504	433
## 275	Y	Y	671	5490	1292	190	39	185	521	964	26	32	NA	NA	492	448
## 276	N	N	510	5336	1233	205	28	66	479	988	44	51	NA	NA	588	524
## 277	N	N	470	5354	1234	202	36	67	439	980	57	43	NA	NA	509	433
## 278	N	N	562	5373	1274	207	41	105	445	966	98	54	NA	NA	546	460
## 279	N	N	536	5310	1137	154	34	109	566	958	90	50	NA	NA	531	455
## 280	N	N	473	5503	1252	178	30	81	379	1203	72	45	NA	NA	499	448
## 281	N	N	569	5406	1300	192	40	94	472	1022	147	61	NA	NA	544	475
## 282	N	N	543	5372	1253	178	30	100	462	1003	58	51	NA	NA	615	541
## 283	N	N	583	5569	1404	180	44	80	422	953	130	59	NA	NA	532	453
## 284	N	N	599	5441	1301	162	33	108	508	904	50	37	NA	NA	529	442
## 285	Y	N	583	5561	1383	227	48	73	378	897	110	45	NA	NA	472	409
## 286	N	N	524	5400	1208	160	37	124	454	960	29	19	NA	NA	665	582
## 287	N	N	691	5460	1411	195	22	141	485	665	59	48	NA	NA	631	567
## 288	Y	N	779	5518	1465	234	29	175	634	806	82	45	NA	NA	517	463
## 289	N	N	743	5494	1381	234	37	197	658	923	41	47	NA	NA	736	639
## 290	N	N	528	5316	1221	151	29	88	516	929	54	39	NA	NA	652	566
## 291	N	N	625	5450	1346	210	27	112	552	844	54	22	NA	NA	723	672
## 292	N	N	720	5530	1400	215	40	142	559	928	30	32	NA	NA	611	540
## 293	N	N	798	5634	1558	224	42	171	474	1042	79	56	NA	NA	768	669
## 294	N	N	573	5365	1272	173	24	119	535	906	85	37	NA	NA	717	629
## 295	N	N	701	5441	1316	188	29	182	578	922	35	28	NA	NA	601	535
## 296	N	N	676	5348	1284	208	40	104	699	972	101	58	NA	NA	668	574
## 297	N	N	586	5462	1311	179	32	98	522	901	129	70	NA	NA	688	605
## 298	N	N	645	5532	1405	185	52	97	484	823	80	51	NA	NA	561	499
## 299	N	N	790	5677	1520	246	32	163	599	906	115	70	NA	NA	618	539
## 300	N	N	582	5419	1300	202	33	125	529	962	52	52	NA	NA	791	686
## 301	N	N	562	5308	1247	210	44	94	565	840	119	74	NA	NA	587	517
## 302	Y	Y	632	5427	1311	184	41	109	527	1089	66	43	NA	NA	541	488
## 303	N	N	740	5614	1400	210	28	148	617	953	100	39	NA	NA	678	610
## 304	N	N	645	5408	1304	227	35	137	549	1130	73	49	NA	NA	745	660
## 305	N	N	725	5626	1557	220	52	119	454	944	74	34	NA	NA	652	580
## 306	N	N	468	5357	1203	180	42	99	423	1143	45	44	NA	NA	746	670
## 307	N	N	639	5444	1276	179	27	125	626	1015	167	59	NA	NA	799	707
## 308	N	N	713	5474	1325	187	28	136	711	1054	71	32	NA	NA	636	534
## 309	N	N	595	5536	1403	228	44	90	503	876	87	49	NA	NA	540	477
## 310	N	N	694	5447	1365	171	40	148	630	900	52	40	NA	NA	644	561
## 311	N	N	736	5546	1495	215	24	160	522	736	58	34	38	42	772	688
## 312	Y	Y	792	5545	1424	213	25	179	717	952	84	39	44	46	574	517
## 313	N	N	786	5535	1450	252	28	203	594	855	50	48	40	47	722	622
## 314	N	N	631	5532	1391	197	40	114	447	922	69	27	29	37	630	566
## 315	N	N	633	5514	1394	192	20	123	477	872	53	33	42	48	822	722
## 316	N	N	806	5491	1424	228	44	179	607	844	39	16	20	36	679	599
## 317	Y	N	775	5540	1498	253	45	191	547	984	115	52	29	48	681	592
## 318	N	N	649	5463	1358	197	23	183	503	909	25	36	37	45	675	630
## 319	N	N	666	5377	1282	207	38	148	656	825	29	30	34	49	731	658
## 320	N	N	744	5574	1446	250	47	129	598	911	114	41	27	43	763	685
## 321	N	N	611	5503	1341	202	41	97	514	958	97	53	21	27	705	615
## 322	N	N	749	5606	1515	233	67	87	541	841	138	57	24	50	684	619
## 323	N	N	744	5483	1438	230	41	153	501	905	57	52	42	38	605	520

## 324	N	N	613	5395	1305	202	24	126	592	985	91	73	36	32	751	676
## 325	N	N	687	5411	1284	211	35	136	659	972	65	45	39	35	807	720
## 326	N	N	680	5492	1381	208	41	111	588	808	105	61	25	46	612	530
## 327	N	N	695	5443	1358	211	42	120	684	1062	118	54	26	48	630	559
## 328	N	N	678	5376	1338	208	24	171	584	977	131	68	36	36	593	529
## 329	N	N	594	5456	1299	224	58	101	519	1066	72	64	25	37	730	677
## 330	N	N	729	5637	1522	235	70	130	444	871	66	34	44	53	664	597
## 331	N	N	681	5494	1353	208	36	172	500	1164	60	45	39	29	788	697
## 332	N	N	831	5578	1460	257	35	165	729	1005	83	27	56	40	826	729
## 333	N	N	744	5689	1497	218	51	113	569	961	117	47	26	40	747	665
## 334	N	N	626	5460	1302	184	28	138	635	989	72	42	46	38	689	615
## 335	N	N	643	5575	1434	192	30	153	434	747	57	46	28	44	699	614
## 336	Y	N	742	5303	1382	207	25	158	672	844	66	38	46	37	530	470
## 337	N	N	691	5401	1360	246	28	161	552	871	51	34	32	47	667	610
## 338	N	N	511	5495	1271	213	18	96	441	827	72	34	29	31	576	510
## 339	N	N	617	5382	1346	185	30	138	562	870	83	65	51	38	597	503
## 340	N	N	637	5438	1401	202	34	128	527	772	44	32	34	40	648	579
## 341	N	N	586	5414	1306	203	28	138	438	907	59	33	27	25	581	538
## 342	N	N	543	5467	1303	200	20	109	467	868	57	37	31	29	747	684
## 343	N	N	701	5502	1399	214	38	179	540	854	35	43	55	37	645	593
## 344	N	N	585	5492	1319	230	52	71	478	888	101	51	29	41	567	512
## 345	N	N	603	5295	1323	225	40	80	490	819	130	46	25	59	566	513
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## 348	N	N	534	5185	1188	160	23	104	543	924	82	53	30	39	609	532
## 349	N	N	622	5335	1312	197	29	88	543	800	51	43	78	40	729	656
## 350	N	N	648	5413	1377	195	43	97	581	717	75	55	37	56	641	554
## 351	N	N	588	5477	1365	203	29	98	547	958	89	43	28	35	550	487
## 352	N	N	691	5494	1383	195	25	160	542	1018	80	53	37	38	564	498
## 353	N	N	558	5538	1289	209	35	123	499	1031	63	39	34	45	688	607
## 354	Y	Y	788	5674	1555	223	61	154	469	919	65	31	29	49	599	537
## 355	N	N	486	5366	1250	184	31	96	438	966	70	45	25	19	610	515
## 356	N	N	706	5461	1348	224	36	140	654	1042	101	36	37	37	644	536
## 357	N	N	739	5610	1542	225	54	95	543	757	124	53	25	59	699	628
## 358	N	N	537	5290	1219	189	30	86	575	956	68	45	28	35	660	583
## 359	N	N	628	5278	1363	186	17	144	532	770	47	35	35	38	730	654
## 360	N	N	519	5028	1153	193	29	100	507	935	78	41	36	40	430	386
## 361	N	N	640	5208	1289	229	34	124	522	858	66	30	37	48	620	533
## 362	N	N	454	5165	1249	171	26	78	358	850	57	37	25	25	533	469
## 363	N	N	566	5083	1208	170	28	108	511	991	100	52	34	25	538	480
## 364	N	N	685	5247	1346	206	40	133	565	815	69	47	28	43	567	500
## 365	Y	N	707	5241	1317	214	44	124	606	914	140	63	37	54	557	504
## 366	N	N	472	5207	1220	186	18	91	420	762	49	53	26	33	519	457
## 367	N	N	558	5099	1206	179	32	122	483	793	17	21	31	34	514	457
## 368	N	N	708	5267	1359	233	38	134	524	907	111	56	32	51	636	580
## 369	N	N	580	5167	1317	220	26	78	534	711	85	44	34	38	545	497
## 370	N	N	584	5270	1349	178	39	98	480	786	82	39	24	40	527	434
## 371	N	N	537	5234	1277	182	31	93	478	905	53	41	35	28	535	441
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## 376	Y	Y	604	5200	1248	195	29	134	463	886	87	48	47	36	457	406
## 377	N	N	503	5248	1240	200	36	98	487	930	42	50	22	36	635	570

## 378	N	N	691	5490	1505	251	47	110	404	871	49	30	25	50	512	441
## 379	N	N	488	5213	1181	168	38	102	407	976	78	46	15	25	665	589
## 380	N	N	662	5245	1281	211	36	150	480	964	123	45	30	39	649	569
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## 386	N	N	629	5505	1395	183	29	93	509	816	59	47	34	45	657	571
## 387	N	N	652	5475	1400	228	38	111	537	952	83	73	32	42	705	625
## 388	N	N	614	5363	1322	201	21	117	575	855	65	58	20	37	655	584
## 389	N	N	741	5505	1398	232	34	137	639	947	148	55	31	51	621	557
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## 391	N	N	642	5508	1400	213	32	157	509	722	28	30	39	31	674	627
## 392	N	N	681	5532	1391	216	35	134	469	962	92	48	33	36	672	608
## 393	N	N	755	5508	1440	239	40	114	644	696	105	69	26	47	752	675
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## 397	N	N	668	5369	1345	190	23	125	695	777	77	68	44	28	702	599
## 398	N	N	641	5492	1435	212	17	131	489	680	47	43	22	34	610	530
## 399	Y	N	608	5457	1345	198	24	85	540	805	27	22	23	36	588	531
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## 402	N	N	704	5608	1465	257	44	154	432	842	23	30	27	40	693	602
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## 404	N	N	739	5537	1452	212	52	161	590	913	112	52	35	37	702	612
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## 406	N	N	619	5488	1397	195	29	110	503	791	91	53	27	50	844	737
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## 409	N	N	696	5499	1449	236	31	109	569	811	104	58	33	49	661	601
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## 414	N	N	662	5474	1395	201	19	131	432	756	79	68	26	31	694	611
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## 416	N	N	653	5489	1441	222	41	110	471	864	108	65	29	48	632	558
## 417	N	N	667	5582	1448	232	42	89	550	768	146	76	32	43	662	574
## 418	Y	N	798	5557	1511	231	34	139	597	820	149	75	28	64	561	484
## 419	N	N	673	5632	1530	190	37	111	520	791	74	45	46	40	669	589
## 420	N	N	647	5472	1335	228	49	120	500	909	106	75	27	35	660	609
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## 422	N	N	671	5524	1451	220	30	101	515	690	53	35	21	72	623	535
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## 425	N	N	676	5494	1434	233	50	95	469	822	115	58	26	44	701	629
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## 427	N	N	541	5415	1239	196	27	99	564	900	85	45	20	35	830	736
## 428	N	N	634	5482	1380	228	38	93	548	869	107	51	30	24	723	604
## 429	N	N	677	5620	1492	216	46	83	531	752	172	62	44	55	643	570
## 430	N	N	690	5449	1482	198	39	99	508	710	113	80	38	47	698	609
## 431	N	N	583	5424	1323	179	28	107	543	759	55	38	18	35	739	622

## 432	N	N	682	5474	1382	224	33	124	580	834	104	55	38	46	553	511
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## 434	N	N	628	5377	1324	195	41	55	593	811	220	108	27	47	723	628
## 435	N	N	655	5490	1400	209	38	94	611	800	101	54	40	52	703	634
## 436	N	N	712	5470	1419	229	41	95	650	802	67	55	30	66	827	721
## 437	Y	Y	840	5581	1515	278	37	124	691	916	168	36	35	45	586	546
## 438	N	N	688	5404	1409	201	25	153	525	667	106	89	24	40	703	613
## 439	N	N	570	5366	1338	171	39	125	383	872	63	57	28	38	786	663
## 440	N	N	664	5515	1401	218	54	84	523	762	133	62	32	44	711	654
## 441	N	N	710	5491	1431	263	58	118	591	675	155	75	29	51	649	561
## 442	N	N	648	5453	1355	217	31	118	611	825	138	52	31	47	534	477
## 443	N	N	724	5514	1497	215	28	121	563	746	81	48	40	46	736	640
## 444	N	N	675	5378	1343	242	34	146	553	922	65	64	28	49	792	690
## 445	N	N	601	5518	1346	216	31	98	579	954	108	58	27	38	690	612
## 446	N	N	681	5415	1430	230	39	110	486	710	102	59	30	53	588	520
## 447	N	N	646	5587	1430	217	34	101	501	805	32	26	37	37	625	552
## 448	N	N	758	5415	1376	220	33	151	609	846	183	82	51	35	606	526
## 449	N	N	735	5592	1506	283	42	125	610	960	126	57	31	42	694	618
## 450	N	N	712	5489	1444	255	47	138	468	832	49	28	38	40	565	480
## 451	N	N	552	5429	1324	215	22	78	506	754	85	50	37	46	683	566
## 452	N	N	659	5447	1412	235	45	84	604	775	99	47	22	51	671	595
## 453	N	N	662	5597	1527	239	46	81	444	649	116	49	29	45	689	577
## 454	N	N	714	5599	1431	208	17	134	613	863	102	62	25	41	733	629
## 455	N	N	620	5345	1309	170	30	82	589	811	74	61	19	47	700	617
## 456	N	N	619	5457	1326	213	28	119	519	883	150	61	23	35	598	541
## 457	N	N	716	5511	1448	257	53	134	500	832	95	70	29	59	660	571
## 458	N	N	550	5385	1265	210	23	63	534	812	126	80	42	48	631	551
## 459	N	N	586	5532	1410	209	46	73	471	739	120	53	34	55	745	684
## 460	N	N	611	5519	1386	216	24	105	490	834	74	74	30	41	728	643
## 461	Y	Y	857	5702	1599	271	63	141	681	902	210	57	28	60	633	573
## 462	N	N	615	5412	1423	189	38	85	479	631	75	69	11	60	615	552
## 463	N	N	609	5441	1401	207	38	101	450	730	107	59	31	50	709	615
## 464	N	N	625	5464	1401	195	50	66	530	719	150	57	21	39	657	571
## 465	N	N	713	5540	1490	259	57	65	484	650	218	106	31	71	611	525
## 466	N	N	608	5472	1371	200	34	91	486	744	144	55	29	47	543	493
## 467	N	N	743	5574	1526	222	51	81	550	714	146	75	41	49	704	599
## 468	N	N	570	5396	1326	170	38	88	511	909	62	61	23	48	655	581
## 469	N	N	531	5428	1275	224	32	94	433	841	86	44	16	40	734	639
## 470	Y	N	730	5555	1496	231	36	120	470	616	163	65	35	46	575	516
## 471	N	N	615	5415	1334	198	34	102	561	797	66	58	28	33	538	473
## 472	N	N	686	5353	1319	208	33	113	592	818	341	123	45	58	598	528
## 473	N	N	770	5528	1505	259	45	110	542	793	127	70	40	67	557	499
## 474	N	N	708	5604	1499	249	56	110	433	807	130	45	29	50	630	548
## 475	N	N	570	5369	1327	216	37	64	488	716	92	46	23	42	662	581
## 476	N	N	595	5452	1340	211	37	85	518	778	88	55	25	48	686	573
## 477	N	N	629	5516	1432	243	57	63	512	860	123	55	22	45	671	582
## 478	N	N	616	5555	1390	213	26	80	568	809	87	45	29	45	652	565
## 479	N	N	678	5534	1404	218	20	139	537	876	82	53	17	34	895	779
## 480	N	N	719	5494	1433	231	25	148	560	945	90	51	24	47	653	603
## 481	N	N	859	5510	1551	258	56	213	528	905	66	47	42	59	712	652
## 482	N	N	675	5410	1380	233	40	131	542	880	159	89	36	51	695	594
## 483	N	N	844	5633	1568	254	52	192	559	666	42	44	34	63	771	682
## 484	N	N	692	5604	1489	271	37	111	534	796	64	45	27	52	739	654
## 485	N	N	802	5524	1513	269	42	181	600	911	170	64	25	50	725	673

## 486	N	N	676	5491	1476	221	46	100	531	688	87	87	34	54	739	661
## 487	N	N	714	5604	1480	228	45	166	452	764	60	46	20	56	751	668
## 488	N	N	680	5530	1405	263	60	114	515	839	187	72	40	39	650	576
## 489	N	N	822	5594	1549	299	77	146	522	687	170	87	45	58	651	571
## 490	Y	N	769	5589	1484	223	28	191	588	896	114	62	23	44	582	528
## 491	N	N	867	5639	1588	273	60	123	563	754	105	65	43	56	776	698
## 492	N	N	639	5517	1425	255	46	125	443	862	85	67	22	45	765	687
## 493	N	N	665	5675	1474	294	50	138	478	877	88	50	21	39	736	660
## 494	Y	Y	831	5605	1576	267	47	184	533	681	93	57	28	48	651	581
## 495	N	N	587	5410	1319	227	30	88	529	887	98	81	30	37	663	601
## 496	N	N	605	5358	1284	176	37	117	516	910	176	89	36	46	749	645
## 497	N	N	847	5546	1548	266	56	186	573	806	135	68	38	74	668	600
## 498	N	N	734	5662	1550	278	57	133	474	878	260	120	34	43	665	594
## 499	N	N	692	5602	1397	245	49	120	602	1057	133	57	29	30	834	722
## 500	N	N	624	5460	1398	218	33	133	426	769	110	67	35	42	855	769
## 501	N	N	673	5497	1392	227	41	134	568	842	90	59	21	51	711	608
## 502	N	N	737	5527	1490	252	56	96	489	823	134	112	25	29	688	612
## 503	N	N	767	5541	1497	265	39	135	596	904	154	85	39	50	657	583
## 504	N	N	605	5419	1367	230	41	100	499	819	65	55	23	34	822	725
## 505	N	N	600	5381	1313	191	39	123	550	874	90	65	27	47	750	653
## 506	N	N	659	5422	1397	248	19	154	552	864	75	61	22	42	633	566
## 507	N	N	796	5587	1493	270	46	172	582	835	74	51	24	58	657	579
## 508	N	N	691	5472	1417	226	28	108	539	682	86	69	67	56	666	590
## 509	N	N	634	5393	1423	221	41	106	409	625	83	68	33	57	731	660
## 510	N	N	664	5532	1461	224	48	72	562	746	110	58	21	59	724	655
## 511	N	N	710	5392	1378	270	32	136	636	899	137	58	26	54	688	613
## 512	N	N	639	5365	1400	223	45	106	488	698	64	63	26	40	694	621
## 513	N	N	714	5601	1520	218	34	129	563	695	90	38	31	47	653	589
## 514	N	N	605	5458	1408	231	45	70	434	743	178	59	22	44	634	581
## 515	N	N	743	5474	1469	305	59	98	498	644	216	84	30	72	634	550
## 516	Y	N	727	5437	1435	251	27	149	610	818	137	52	20	47	573	499
## 517	N	N	666	5522	1472	259	47	82	604	684	99	56	33	55	678	599
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## 521	N	N	607	5433	1332	227	47	86	549	829	100	77	24	55	690	626
## 522	N	N	532	5321	1304	200	31	100	433	800	144	117	25	27	690	577
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## 525	N	N	591	5360	1349	208	42	75	536	848	152	70	32	39	598	522
## 526	N	N	614	5358	1327	229	37	97	522	702	123	47	22	53	834	737
## 527	N	N	613	5364	1331	240	41	117	554	814	87	54	17	40	594	534
## 528	N	N	600	5415	1351	263	44	79	420	713	97	42	22	53	657	572
## 529	N	N	692	5347	1353	216	36	132	624	779	196	91	32	55	632	543
## 530	N	N	590	5430	1358	217	39	98	448	645	28	52	23	37	775	721
## 531	N	N	669	5422	1389	220	28	126	490	818	98	50	23	38	763	654
## 532	Y	N	757	5371	1401	258	24	181	608	847	99	49	31	54	582	520
## 533	N	N	841	5538	1567	310	34	194	512	708	60	43	33	59	711	641
## 534	N	N	866	5550	1563	242	43	164	589	843	100	53	37	56	768	692
## 535	N	N	730	5463	1505	290	33	127	454	668	97	62	36	45	748	642
## 536	N	N	706	5550	1494	250	43	135	478	762	73	52	35	42	707	624
## 537	N	N	731	5477	1445	266	31	132	614	902	99	47	19	46	644	573
## 538	N	N	760	5376	1388	206	29	138	657	786	143	90	42	60	805	727
## 539	N	N	770	5375	1446	221	35	164	575	814	176	86	22	52	738	676

## 540	N	N	583	5394	1382	224	52	49	461	745	190	95	22	43	582	514
## 541	N	N	851	5653	1596	286	79	116	528	675	207	76	35	76	816	716
## 542	N	N	739	5490	1443	220	24	183	556	834	106	46	23	36	717	614
## 543	N	N	764	5544	1544	256	46	112	526	693	66	45	31	53	725	663
## 544	N	N	807	5536	1552	291	41	185	549	745	100	53	20	50	722	645
## 545	N	N	701	5465	1445	273	42	143	432	890	121	56	27	38	581	505
## 546	N	N	734	5421	1443	226	40	150	509	590	65	46	18	63	672	610
## 547	N	N	593	5591	1399	255	41	74	498	817	135	79	35	40	706	633
## 548	N	N	573	5348	1276	188	32	108	482	751	104	69	20	46	860	754
## 549	N	N	683	5463	1453	250	53	119	602	764	128	76	37	57	718	666
## 550	Y	Y	775	5661	1541	264	52	148	483	855	180	66	32	56	643	566
## 551	N	N	603	5446	1316	193	53	93	534	770	100	58	32	43	681	596
## 552	N	N	711	5544	1490	250	52	132	515	725	126	52	28	54	820	731
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## 554	N	N	731	5734	1594	279	63	100	460	838	116	69	27	63	693	615
## 555	N	N	750	5562	1549	252	26	140	461	607	79	51	33	59	698	617
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## 564	N	N	738	5470	1517	221	40	89	617	625	118	58	37	74	807	743
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## 566	N	N	637	5566	1455	231	67	75	540	755	194	74	13	45	589	511
## 567	Y	N	809	5714	1633	266	59	115	508	709	185	43	38	63	694	621
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## 569	N	N	670	5530	1468	252	46	99	436	703	62	46	21	51	724	634
## 570	N	N	811	5653	1555	298	36	203	455	745	131	56	25	51	682	597
## 571	N	N	694	5465	1407	250	61	114	547	865	237	82	20	56	629	563
## 572	N	N	820	5553	1484	239	34	189	643	739	86	36	28	54	662	583
## 573	N	N	611	5478	1407	218	41	61	501	840	158	99	25	53	702	621
## 574	N	N	686	5495	1424	212	35	137	506	824	175	82	19	41	642	566
## 575	Y	Y	728	5625	1517	272	54	117	472	708	140	62	33	58	639	564
## 576	N	N	666	5517	1469	249	38	116	452	760	209	102	25	56	646	580
## 577	N	N	591	5540	1410	195	43	67	563	791	239	73	21	38	654	595
## 578	N	N	610	5489	1359	211	35	104	483	727	116	62	19	44	793	709
## 579	N	N	573	5368	1310	199	44	80	509	840	100	58	14	54	634	556
## 580	N	N	738	5608	1541	300	49	101	451	781	117	54	21	49	710	632
## 581	N	N	756	5690	1616	263	27	124	480	589	91	49	23	56	752	649
## 582	N	N	624	5571	1398	249	53	126	448	813	67	72	33	34	762	683
## 583	N	N	395	3642	886	148	22	64	321	540	98	39	18	18	416	371
## 584	N	N	429	3516	883	165	11	88	404	454	41	34	15	24	437	386
## 585	N	N	519	3820	1052	168	17	90	378	520	32	31	13	33	481	418
## 586	N	N	476	3688	944	134	16	97	393	571	44	33	29	30	453	399
## 587	N	N	476	3615	982	135	27	76	322	518	86	44	43	36	423	363
## 588	N	N	370	3546	838	138	29	57	342	611	72	41	13	30	483	426
## 589	N	N	464	3637	972	190	24	64	375	553	58	37	18	40	440	400
## 590	N	N	431	3507	922	150	21	39	343	379	119	37	13	43	442	401
## 591	N	N	427	3600	922	148	29	65	404	500	61	37	18	37	404	380
## 592	N	N	394	3693	948	160	35	45	340	488	81	43	8	35	331	293
## 593	N	N	397	3560	952	169	29	61	301	419	100	53	17	35	405	365

## 594	Y	Y	450	3751	984	133	20	82	331	550	73	46	17	27	356	333
## 595	N	N	378	3676	884	147	36	47	275	497	34	27	11	27	486	433
## 596	N	N	493	3743	961	173	20	96	300	461	39	36	29	45	459	428
## 597	N	N	443	3591	883	146	28	81	368	498	138	40	16	30	394	357
## 598	Y	N	421	3529	889	148	22	100	391	434	47	30	7	27	343	305
## 599	N	N	348	3493	868	136	35	57	304	603	103	42	13	34	432	365
## 600	N	N	458	3677	910	119	26	104	342	647	98	47	16	32	403	364
## 601	N	N	491	3665	1002	165	25	69	372	432	103	46	23	37	472	432
## 602	N	N	407	3576	920	176	30	55	278	494	122	52	15	36	425	373
## 603	N	N	382	3757	963	170	35	32	311	525	83	62	14	30	455	414
## 604	N	N	426	3780	950	148	13	89	329	553	100	50	27	24	521	469
## 605	N	N	427	3766	941	161	26	63	386	543	89	50	14	27	414	368
## 606	N	N	464	3537	936	158	45	50	379	495	88	45	16	35	417	380
## 607	N	N	452	3581	968	178	15	49	295	396	46	41	21	39	389	355
## 608	N	N	329	3521	797	137	23	61	284	556	66	57	20	18	466	404
## 609	N	N	739	5507	1411	215	22	146	554	869	151	77	29	43	702	621
## 610	N	N	774	5557	1478	259	27	179	634	796	49	38	25	52	687	648
## 611	N	N	753	5596	1536	271	31	136	547	736	42	39	28	38	713	651
## 612	N	N	814	5532	1518	268	26	186	613	760	55	53	35	56	670	621
## 613	N	N	786	5575	1523	266	52	136	533	866	136	58	30	50	710	618
## 614	N	N	676	5531	1436	239	46	102	460	869	132	70	25	49	709	630
## 615	N	N	545	5479	1375	228	34	82	470	817	131	69	21	41	661	594
## 616	N	N	683	5559	1458	225	32	109	651	625	151	68	35	40	748	670
## 617	N	N	729	5590	1489	237	40	177	470	807	93	66	26	39	685	613
## 618	N	N	569	5440	1342	236	48	74	435	830	140	61	19	46	620	549
## 619	N	N	784	5629	1603	295	58	132	442	758	133	48	25	49	717	649
## 620	N	N	691	5642	1487	222	32	138	528	804	151	56	30	55	612	539
## 621	N	N	657	5544	1427	234	44	148	474	887	38	33	24	51	819	752
## 622	Y	N	891	5733	1599	277	41	216	484	714	84	52	18	46	717	649
## 623	N	N	697	5557	1454	270	38	133	503	816	156	56	35	41	616	538
## 624	N	N	709	5526	1417	225	37	161	590	719	69	45	24	49	716	647
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## 629	N	N	675	5575	1435	217	52	81	429	877	165	77	22	47	658	578
## 630	N	N	651	5626	1431	259	33	130	456	806	131	82	22	35	712	636
## 631	N	N	673	5499	1393	213	30	133	607	915	130	56	17	45	687	592
## 632	Y	Y	685	5455	1439	239	52	67	569	805	200	91	30	55	609	549
## 633	N	N	590	5445	1354	204	26	115	447	750	63	45	32	32	749	681
## 634	N	N	651	5526	1447	262	45	106	415	749	118	81	28	50	701	633
## 635	N	N	746	5472	1489	218	45	130	582	847	146	88	17	46	640	588
## 636	Y	Y	799	5546	1492	283	27	168	601	800	61	33	23	56	652	585
## 637	N	N	724	5590	1512	287	32	142	536	758	30	26	28	48	775	697
## 638	N	N	722	5640	1467	241	22	154	509	835	41	39	31	46	779	706
## 639	N	N	800	5484	1439	270	42	157	527	888	165	50	43	56	650	589
## 640	N	N	701	5512	1436	272	42	140	470	868	84	40	29	50	719	647
## 641	N	N	623	5333	1274	236	35	107	588	1006	154	77	19	45	710	638
## 642	N	N	704	5476	1451	249	31	86	605	691	109	71	29	64	785	710
## 643	N	N	789	5592	1530	283	53	156	508	831	93	53	39	59	679	613
## 644	N	N	643	5502	1412	239	60	97	517	869	164	95	19	54	646	562
## 645	N	N	696	5598	1515	273	54	109	397	722	182	47	23	33	767	679
## 646	N	N	654	5440	1358	197	34	146	541	925	166	76	22	40	609	505
## 647	N	N	709	5601	1463	280	41	141	467	802	44	29	29	45	822	745

## 648	N	N	764	5620	1556	281	57	132	475	665	101	49	27	57	708	650
## 649	N	N	677	5611	1482	297	41	102	509	733	138	44	38	57	646	585
## 650	N	N	770	5631	1535	269	40	153	533	686	84	42	37	41	703	624
## 651	N	N	575	5444	1314	172	26	112	436	1031	141	64	31	32	680	593
## 652	N	N	708	5516	1447	237	28	121	524	872	235	98	31	62	782	702
## 653	Y	N	696	5426	1352	209	45	125	640	906	143	75	26	46	635	542
## 654	N	N	659	5531	1460	238	29	121	497	873	124	77	19	38	648	577
## 655	N	N	653	5527	1384	207	34	93	482	822	179	67	20	45	653	590
## 656	N	N	558	5336	1280	247	31	111	460	840	144	80	24	45	740	649
## 657	N	N	687	5369	1324	206	30	142	619	990	140	78	28	46	697	594
## 658	N	N	679	5550	1496	262	63	83	543	879	207	89	24	49	710	615
## 659	N	N	639	5610	1429	242	33	106	442	767	119	60	29	42	609	540
## 660	N	N	795	5581	1546	268	58	167	510	810	131	72	32	54	726	662
## 661	N	N	632	5422	1338	234	27	111	555	896	140	85	20	45	655	574
## 662	N	N	681	5456	1374	234	23	160	620	884	51	36	22	43	667	594
## 663	N	N	810	5648	1598	259	45	181	500	842	38	25	20	46	764	669
## 664	N	N	696	5470	1363	211	30	150	556	928	80	51	29	46	697	641
## 665	N	N	679	5513	1360	225	38	172	523	883	109	49	39	44	736	668
## 666	N	N	762	5437	1415	240	47	136	567	967	154	66	29	51	658	598
## 667	N	N	627	5498	1342	238	30	106	566	978	160	63	12	53	747	675
## 668	N	N	761	5643	1498	222	39	123	600	815	126	77	27	67	766	694
## 669	Y	Y	829	5644	1529	254	46	187	602	941	106	68	34	45	643	568
## 670	N	N	693	5548	1465	222	67	79	494	837	105	61	17	55	630	534
## 671	N	N	673	5543	1487	269	52	117	400	832	106	64	24	55	686	629
## 672	N	N	580	5399	1316	213	23	102	488	829	109	69	14	48	600	514
## 673	N	N	673	5562	1473	259	33	114	437	735	39	30	24	58	675	615
## 674	N	N	641	5511	1446	232	36	96	432	673	52	57	26	46	734	646
## 675	N	N	593	5439	1367	242	36	96	470	782	131	38	25	34	585	526
## 676	N	N	758	5661	1560	275	32	130	534	673	62	38	38	59	679	615
## 677	N	N	652	5438	1400	235	25	107	500	1001	149	54	20	49	676	577
## 678	N	N	738	5457	1415	257	29	158	568	871	145	64	22	77	796	712
## 679	N	N	720	5614	1494	248	51	147	555	1084	186	60	29	46	690	586
## 680	N	N	615	5537	1412	237	33	98	438	841	96	62	19	44	567	508
## 681	Y	N	686	5504	1425	207	42	109	472	810	152	68	24	55	634	565
## 682	N	N	682	5546	1429	244	34	129	519	871	116	62	42	38	774	690
## 683	N	N	682	5650	1499	229	26	112	528	980	126	76	17	44	807	713
## 684	N	N	652	5433	1369	225	44	75	516	924	220	71	23	46	645	577
## 685	N	N	656	5569	1452	227	29	120	420	807	81	50	20	43	714	625
## 686	N	N	750	5687	1555	275	68	143	460	816	193	67	52	49	696	628
## 687	N	N	632	5526	1359	213	28	126	553	849	72	52	22	41	781	679
## 688	N	N	818	5517	1451	234	22	214	604	908	69	43	19	40	764	694
## 689	N	N	800	5720	1615	292	31	162	562	816	66	27	30	57	720	659
## 690	N	N	732	5442	1364	215	31	153	648	902	106	51	39	35	703	633
## 691	N	N	736	5470	1386	247	37	146	471	843	108	56	43	45	720	656
## 692	N	N	686	5492	1397	239	28	150	562	937	182	49	18	39	729	666
## 693	N	N	677	5431	1385	249	34	114	576	856	159	70	23	41	666	598
## 694	N	N	729	5527	1465	254	31	116	492	817	132	72	15	48	861	776
## 695	N	N	729	5575	1413	254	45	202	526	926	75	41	27	53	688	612
## 696	N	N	706	5582	1457	261	42	121	477	873	96	56	23	44	691	593
## 697	Y	Y	687	5500	1384	261	49	154	473	840	128	48	36	41	639	566
## 698	N	N	682	5502	1434	226	28	129	539	846	136	58	31	46	579	482
## 699	N	N	705	5509	1453	282	41	141	502	779	68	44	31	47	782	710
## 700	N	N	690	5568	1467	250	44	101	462	746	69	34	19	55	802	701
## 701	N	N	633	5429	1342	242	49	118	492	880	169	77	26	45	636	574

## 702	N	N	839	5458	1458	272	31	176	620	771	155	53	50	60	660	590
## 703	N	N	695	5549	1425	239	35	134	546	872	117	53	20	44	568	514
## 704	N	N	757	5581	1475	230	34	155	508	861	117	58	16	47	787	712
## 705	N	N	667	5477	1343	238	47	141	527	1095	122	51	25	44	673	592
## 706	N	N	568	5436	1340	251	28	80	514	842	110	60	14	44	708	638
## 707	N	N	650	5507	1405	241	28	109	513	809	60	39	23	32	622	549
## 708	N	N	719	5521	1410	277	38	171	564	942	94	35	31	41	818	744
## 709	N	N	556	5420	1263	217	31	115	488	962	99	55	37	25	674	581
## 710	Y	N	747	5467	1446	245	59	87	586	853	314	96	18	41	572	505
## 711	N	N	617	5361	1359	213	41	129	530	819	130	76	33	45	785	715
## 712	N	N	759	5508	1482	281	53	158	503	807	144	77	30	44	588	532
## 713	N	N	615	5384	1348	241	24	138	538	904	93	76	24	42	719	629
## 714	N	N	708	5524	1425	223	13	169	563	862	64	34	31	51	760	687
## 715	Y	N	794	5498	1488	320	21	144	595	707	41	34	66	52	696	625
## 716	N	N	786	5433	1387	236	36	167	671	860	109	42	40	61	684	621
## 717	N	N	644	5406	1335	197	34	121	487	940	115	54	34	53	699	630
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## 720	N	N	831	5702	1620	270	45	157	456	944	141	54	24	49	841	736
## 721	N	N	798	5512	1447	234	30	198	613	885	138	58	43	49	714	645
## 722	N	N	654	5441	1388	244	32	125	536	916	163	75	24	41	569	509
## 723	N	N	654	5561	1403	264	45	137	474	919	97	46	36	33	673	612
## 724	N	N	638	5471	1373	232	14	130	478	966	155	67	32	39	679	608
## 725	N	N	741	5531	1446	257	39	196	501	977	81	61	37	38	839	759
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## 727	N	N	637	5508	1401	255	50	110	537	1016	193	95	33	42	688	616
## 728	N	N	797	5570	1512	275	23	188	645	911	139	48	28	46	738	659
## 729	Y	Y	783	5558	1462	261	31	148	631	968	118	48	31	53	578	513
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## 733	N	N	656	5515	1442	239	25	136	484	917	96	68	18	35	723	640
## 734	N	N	718	5498	1392	243	41	158	572	1148	93	76	34	29	835	744
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## 740	N	N	729	5576	1437	219	20	211	524	939	69	45	22	32	880	801
## 741	N	N	842	5586	1554	273	26	174	606	825	77	45	57	58	825	761
## 742	N	N	770	5570	1406	257	26	172	590	926	125	44	35	36	803	709
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## 744	N	N	720	5583	1475	244	33	209	504	1064	109	48	21	30	801	726
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## 747	N	N	896	5649	1535	274	32	225	653	913	106	50	46	56	735	651
## 748	N	N	648	5485	1386	238	28	122	526	936	162	46	24	50	678	615
## 749	N	N	715	5499	1443	239	40	168	523	1034	125	43	30	42	691	610
## 750	N	N	635	5517	1389	236	23	125	445	923	128	59	31	39	675	601
## 751	Y	Y	786	5441	1422	258	35	196	523	898	113	65	38	39	806	734
## 752	N	N	862	5625	1552	272	46	163	598	1040	176	74	32	50	817	752
## 753	N	N	741	5527	1467	310	39	120	501	918	166	74	35	42	720	631
## 754	N	N	788	5511	1445	239	16	196	604	949	105	43	28	38	758	700
## 755	N	N	823	5601	1499	287	34	192	592	1012	159	49	31	39	698	621

## 756	N	N	806	5511	1432	263	33	199	593	1056	140	63	36	48	789	694
## 757	N	N	702	5475	1390	248	51	169	587	1109	111	49	25	40	749	673
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## 761	N	N	783	5608	1458	274	32	205	511	1094	126	97	39	35	669	601
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## 763	N	N	823	5564	1478	264	35	194	567	1081	120	71	24	51	849	743
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## 769	N	N	631	5449	1327	224	35	132	446	908	98	46	34	43	757	659
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## 771	N	N	641	5426	1334	246	25	122	479	922	207	56	37	51	596	541
## 772	N	N	666	5505	1435	235	28	134	416	866	97	50	37	51	731	663
## 773	N	N	703	5433	1358	213	28	143	588	841	87	42	29	37	658	596
## 774	N	N	617	5494	1338	239	31	96	474	840	198	71	38	44	631	558
## 775	N	N	704	5469	1419	275	40	121	486	944	137	54	33	51	648	580
## 776	Y	Y	628	5431	1346	217	25	99	437	947	131	46	32	50	544	482
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## 778	N	N	682	5488	1409	258	26	113	439	911	159	55	37	41	616	555
## 779	N	N	628	5573	1400	260	48	107	454	1053	189	89	32	44	592	508
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## 790	N	N	763	5557	1491	271	47	158	521	935	107	36	31	50	680	611
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## 792	N	N	708	5440	1369	238	33	129	593	957	118	55	30	47	686	644
## 793	N	N	774	5666	1571	326	30	108	643	755	56	35	36	58	735	650
## 794	N	N	669	5545	1422	208	37	145	429	1011	89	40	28	46	578	530
## 795	N	N	693	5504	1493	262	36	94	464	873	97	52	28	51	750	668
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## 797	N	N	632	5520	1362	243	28	128	493	1028	128	71	30	49	691	607
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## 799	N	N	617	5432	1315	198	24	116	585	899	103	50	37	43	816	719
## 800	N	N	647	5516	1316	239	28	97	530	860	144	62	27	44	669	599
## 801	N	N	690	5475	1428	227	41	101	554	897	154	51	29	50	635	572
## 802	N	N	554	5465	1313	241	17	89	507	885	81	54	27	41	536	479
## 803	N	N	740	5581	1542	278	35	117	478	743	111	53	39	58	738	680
## 804	N	N	707	5473	1415	235	32	126	455	791	165	62	50	54	679	604
## 805	N	N	632	5482	1353	267	30	100	572	958	160	70	35	46	630	567
## 806	N	N	698	5458	1470	229	23	130	502	831	137	60	27	49	792	708
## 807	N	N	683	5489	1351	280	21	147	504	934	158	53	33	48	595	532
## 808	Y	Y	712	5416	1414	220	25	127	562	855	157	55	34	62	576	497
## 809	N	N	629	5447	1324	215	36	123	558	926	106	50	22	42	735	644

## 810	N	N	637	5539	1334	263	53	95	563	914	155	69	24	51	680	602
## 811	N	N	642	5422	1360	215	32	120	552	1013	136	67	9	41	626	547
## 812	N	N	694	5512	1417	237	29	134	489	838	81	55	45	52	728	639
## 813	Y	N	699	5469	1365	241	52	141	508	1071	87	54	40	39	600	535
## 814	N	N	632	5492	1418	263	47	73	507	848	155	54	21	43	608	546
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## 816	N	N	731	5581	1449	265	40	142	521	923	144	58	31	53	651	584
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## 820	N	N	690	5570	1448	237	27	147	566	1000	69	43	28	45	706	613
## 821	N	N	682	5402	1393	251	44	106	478	903	140	90	36	47	633	581
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## 827	N	N	707	5488	1465	316	44	100	498	879	107	62	27	54	709	621
## 828	N	N	728	5491	1436	222	27	129	538	952	141	65	31	48	685	596
## 829	N	N	666	5499	1458	281	39	100	445	749	96	53	53	49	729	658
## 830	N	N	732	5503	1408	247	36	128	519	821	164	72	33	71	760	655
## 831	N	N	662	5453	1363	227	43	114	576	1024	235	99	26	47	598	551
## 832	N	N	603	5483	1322	208	19	147	427	1027	119	45	53	36	749	676
## 833	N	N	775	5504	1410	278	21	172	536	851	110	33	32	56	613	548
## 834	Y	N	733	5433	1379	209	22	164	651	992	141	54	46	48	570	514
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## 1048	N	N	714	5546	1459	274	40	134	475	984	135	50	60	65	899	822
## 1049	N	N	669	5459	1374	209	27	159	447	1056	137	53	36	43	678	612
## 1050	N	N	707	5541	1439	266	17	152	532	1039	81	59	66	32	812	746
## 1051	N	N	734	5641	1499	285	32	115	506	915	112	54	45	52	818	764
## 1052	N	N	644	5418	1348	280	32	147	439	1058	91	46	60	37	783	695
## 1053	Y	Y	965	5643	1625	290	31	207	653	1025	153	63	57	59	656	619
## 1054	N	N	706	5510	1425	289	24	136	572	1049	62	46	37	48	645	609
## 1055	N	N	804	5490	1413	295	13	149	633	1122	131	47	55	46	866	766
## 1056	N	N	713	5617	1482	286	36	126	508	1080	97	45	45	65	808	754
## 1057	N	N	650	5493	1395	271	35	107	393	1060	159	51	91	56	718	629
## 1058	Y	N	749	5490	1390	292	30	167	604	1072	79	37	48	45	635	587
## 1059	N	N	859	5628	1553	321	28	234	558	1081	115	39	57	48	855	781
## 1060	N	N	845	5628	1540	292	26	161	678	1040	102	51	44	53	739	686
## 1061	N	N	810	5593	1444	292	30	223	676	1179	133	41	42	34	782	703
## 1062	N	N	620	5555	1450	267	43	111	473	1107	120	73	37	38	751	698
## 1063	N	N	940	5672	1637	314	32	201	595	1045	82	47	39	54	871	794
## 1064	N	N	816	5580	1482	316	19	221	564	1132	184	81	87	49	768	697
## 1065	N	N	711	5494	1404	248	22	158	511	1022	71	45	43	42	826	762
## 1066	N	N	908	5658	1566	289	46	216	588	1045	137	39	48	60	676	615
## 1067	Y	N	840	5569	1481	309	23	197	608	962	148	66	53	47	661	593
## 1068	N	N	851	5637	1572	299	21	203	615	890	107	46	61	55	815	760
## 1069	N	N	836	5579	1551	334	42	176	597	928	67	39	55	56	718	638
## 1070	N	N	777	5644	1563	298	37	162	499	810	110	50	34	45	870	786
## 1071	N	N	747	5482	1411	255	35	189	571	1170	60	44	39	44	920	837
## 1072	N	N	865	5649	1536	312	37	209	569	1125	164	54	45	44	711	647
## 1073	N	N	1009	5634	1629	309	32	209	743	1099	147	50	55	67	860	788
## 1074	N	N	906	5717	1644	305	39	223	508	863	70	43	43	46	1028	955
## 1075	N	N	747	5481	1433	289	34	212	458	1049	108	70	82	39	882	817
## 1076	N	N	691	5578	1465	266	44	128	479	1145	92	46	59	56	852	781
## 1077	N	N	823	5485	1463	293	23	168	728	1138	166	75	52	58	675	620
## 1078	N	N	856	5624	1584	294	52	151	535	932	127	39	64	56	921	844
## 1079	N	N	793	5567	1480	253	23	187	594	1030	167	68	52	51	787	718

## 1080	N	N	815	5582	1524	299	30	165	658	1065	81	33	55	51	886	813
## 1081	N	N	686	5495	1450	285	30	105	500	978	118	60	49	56	845	791
## 1082	N	N	718	5559	1473	320	47	163	438	939	70	51	53	28	853	748
## 1083	Y	Y	900	5568	1568	302	36	193	718	978	104	57	55	53	731	661
## 1084	N	N	853	5572	1553	297	14	181	717	994	150	61	48	54	711	691
## 1085	N	N	893	5519	1430	287	20	235	770	1129	70	37	71	41	846	750
## 1086	N	N	841	5598	1539	302	44	161	631	1081	125	35	46	41	846	787
## 1087	N	N	775	5468	1417	282	40	171	573	1197	112	44	60	45	782	689
## 1088	N	N	710	5394	1360	256	22	153	631	1169	174	67	35	40	781	705
## 1089	N	N	859	5572	1499	263	21	244	610	1095	130	45	42	48	905	834
## 1090	N	N	872	5563	1507	307	18	188	696	1028	109	56	60	42	831	762
## 1091	N	N	809	5570	1461	274	27	194	613	1202	134	48	51	44	838	761
## 1092	N	N	772	5586	1531	272	29	145	544	1042	73	49	64	48	913	805
## 1093	N	N	945	5651	1653	304	29	230	611	937	111	54	29	62	859	809
## 1094	N	N	883	5642	1580	337	14	212	578	1077	119	48	76	45	862	787
## 1095	N	N	864	5628	1574	309	34	236	608	1024	93	52	47	43	869	805
## 1096	N	N	792	5527	1466	282	44	179	535	975	97	44	59	58	754	698
## 1097	N	N	810	5489	1490	274	26	179	595	1010	148	56	59	45	714	648
## 1098	N	N	794	5549	1508	310	22	184	558	900	126	65	49	54	913	855
## 1099	N	N	792	5630	1503	316	32	167	611	1019	43	30	42	48	745	683
## 1100	N	N	978	5646	1615	325	33	216	591	960	119	42	53	61	839	751
## 1101	N	N	764	5577	1426	272	23	183	632	1120	93	37	54	45	904	849
## 1102	N	N	825	5635	1545	302	36	200	559	995	100	38	64	58	765	700
## 1103	N	N	950	5683	1639	310	30	221	685	1057	113	34	51	52	816	775
## 1104	N	N	968	5660	1664	320	53	161	601	907	131	61	42	75	897	835
## 1105	N	N	823	5644	1553	307	41	177	562	982	83	38	43	49	827	755
## 1106	N	N	731	5509	1441	274	29	160	540	1184	168	55	60	51	797	729
## 1107	N	N	938	5570	1547	289	36	249	673	1129	114	52	83	61	944	865
## 1108	N	N	879	5709	1644	281	27	150	511	840	121	35	48	70	930	876
## 1109	N	N	798	5481	1408	265	28	211	668	1083	95	42	51	46	729	659
## 1110	N	N	740	5563	1366	297	25	177	620	1245	72	44	61	49	826	755
## 1111	N	N	748	5615	1516	325	49	116	556	1021	90	45	35	51	880	819
## 1112	N	N	738	5535	1475	310	35	178	476	1048	58	48	29	34	902	812
## 1113	Y	Y	871	5556	1541	294	25	205	631	1007	99	48	57	50	814	753
## 1114	Y	N	807	5486	1445	281	20	198	675	1037	66	46	45	51	738	670
## 1115	N	N	947	5560	1501	281	23	239	750	1159	40	15	52	44	813	730
## 1116	N	N	708	5511	1386	304	40	144	611	1117	102	30	44	37	830	763
## 1117	N	N	793	5643	1506	320	31	168	564	1032	86	40	66	37	888	795
## 1118	N	N	752	5560	1413	279	37	157	602	1177	131	53	46	43	815	733
## 1119	N	N	907	5497	1481	300	26	198	775	1073	122	56	48	61	780	720
## 1120	N	N	925	5519	1535	304	44	226	709	1032	79	39	51	66	747	675
## 1121	N	N	887	5478	1481	259	25	235	675	1253	87	51	84	53	771	698
## 1122	N	N	733	5505	1414	253	22	162	558	1022	90	46	51	40	842	773
## 1123	N	N	848	5648	1601	330	35	173	580	922	69	47	39	48	974	876
## 1124	N	N	861	5677	1562	328	21	244	526	1026	89	34	60	34	908	821
## 1125	N	N	691	5551	1447	275	26	158	494	1001	116	52	77	53	730	671
## 1126	Y	Y	818	5595	1494	284	35	208	587	1052	71	38	57	36	677	627
## 1127	N	N	729	5498	1432	263	24	174	493	1039	85	46	45	52	643	578
## 1128	N	N	687	5472	1359	262	24	136	514	989	133	53	77	49	829	744
## 1129	N	N	772	5605	1493	316	29	198	520	1131	46	35	70	41	745	667
## 1130	N	N	798	5464	1463	300	29	214	520	998	123	59	52	51	795	725
## 1131	N	N	777	5406	1409	268	32	194	577	1077	67	36	66	53	701	643
## 1132	N	N	735	5583	1464	304	22	176	468	1172	103	54	65	40	850	765
## 1133	N	N	897	5600	1559	294	37	212	577	1076	79	41	69	62	821	746

## 1134	N	N	923	5690	1663	324	61	213	511	1027	132	54	61	50	906	841
## 1135	N	N	724	5537	1439	291	60	139	466	972	133	61	51	49	876	795
## 1136	N	N	742	5542	1461	325	30	166	470	1145	89	40	67	45	744	691
## 1137	N	N	847	5528	1500	313	29	208	581	1119	64	49	89	56	769	707
## 1138	N	N	729	5643	1503	277	37	152	406	898	100	42	44	47	858	779
## 1139	N	N	758	5493	1399	264	27	206	519	1062	89	42	56	44	744	685
## 1140	N	N	740	5488	1378	273	30	209	488	1399	66	36	72	35	806	740
## 1141	N	N	771	5560	1514	328	38	164	495	1083	146	67	64	38	766	722
## 1142	N	N	670	5379	1361	320	28	131	478	1071	101	51	60	45	812	745
## 1143	Y	N	804	5577	1488	289	20	203	519	1035	161	53	64	43	713	649
## 1144	N	N	642	5459	1361	273	18	147	545	1062	66	48	65	35	713	654
## 1145	N	N	884	5573	1469	334	22	199	640	1021	68	29	88	59	645	583
## 1146	N	N	746	5497	1431	295	29	164	551	1125	153	47	43	61	719	667
## 1147	N	N	657	5398	1333	256	25	161	467	1106	93	73	67	35	858	794
## 1148	N	N	789	5482	1379	273	26	161	678	1273	129	44	41	48	812	724
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## 1150	N	N	799	5612	1493	304	40	235	625	1090	57	42	50	54	748	680
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## 1152	N	N	672	5524	1426	311	21	121	456	1116	115	52	54	25	887	781
## 1153	N	N	890	5685	1566	326	23	246	548	1093	97	32	75	55	968	913
## 1154	N	N	767	5663	1489	287	36	195	470	1094	156	55	74	43	753	696
## 1155	Y	Y	851	5678	1603	333	32	152	462	805	117	51	74	64	644	595
## 1156	N	N	819	5508	1471	283	41	165	643	1016	92	46	50	53	674	630
## 1157	N	N	708	5495	1428	280	25	164	558	1028	76	39	54	49	565	511
## 1158	N	N	667	5491	1353	311	27	165	452	993	110	48	64	49	773	719
## 1159	N	N	859	5640	1560	348	33	177	545	944	80	28	72	53	665	603
## 1160	N	N	856	5502	1475	289	29	217	555	952	75	31	49	53	798	716
## 1161	N	N	706	5496	1351	259	29	200	585	1269	63	21	44	39	759	687
## 1162	N	N	709	5470	1386	297	21	169	583	1188	116	52	66	40	774	690
## 1163	N	N	739	5423	1349	255	26	192	542	1000	52	37	56	39	837	777
## 1164	N	N	778	5512	1508	283	41	152	497	1043	103	53	56	50	898	825
## 1165	N	N	575	5406	1340	265	37	124	363	1035	65	44	64	57	864	773
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## 1167	N	N	749	5503	1441	291	32	167	589	1120	71	27	59	37	695	642
## 1168	N	N	737	5535	1415	285	42	140	524	921	140	65	52	51	891	834
## 1169	N	N	713	5554	1464	286	29	155	428	940	96	37	53	44	643	598
## 1170	N	N	627	5415	1369	269	29	139	500	1125	94	50	55	34	821	752
## 1171	N	N	768	5582	1518	348	36	167	472	1089	79	62	56	52	712	662
## 1172	N	N	735	5479	1432	300	36	162	575	1104	118	64	46	42	718	641
## 1173	N	N	897	5601	1540	314	12	223	640	1171	100	38	72	41	697	625
## 1174	N	N	690	5496	1409	238	22	160	486	1044	87	42	63	30	703	624
## 1175	N	N	800	5558	1450	279	28	205	609	1008	46	20	68	36	654	593
## 1176	N	N	710	5523	1428	325	41	165	640	1095	104	43	53	39	724	671
## 1177	N	N	641	5330	1300	263	20	142	537	1109	86	49	73	41	730	664
## 1178	N	N	662	5515	1393	243	29	136	547	1062	71	44	30	41	815	737
## 1179	N	N	814	5569	1531	285	31	152	629	1003	137	58	51	72	699	654
## 1180	Y	N	783	5497	1465	300	35	198	616	961	74	21	65	52	616	566
## 1181	N	N	787	5505	1475	285	26	175	542	927	86	42	67	49	648	595
## 1182	N	N	673	5604	1418	297	35	133	456	1115	102	45	58	36	918	846
## 1183	N	N	843	5618	1510	304	27	230	554	1055	62	34	62	50	882	824
## 1184	N	N	813	5581	1457	305	38	187	522	1142	71	18	53	57	828	767
## 1185	N	N	736	5487	1473	276	33	150	476	838	129	61	56	50	743	680
## 1186	N	N	717	5570	1467	303	47	152	531	1006	76	38	45	52	685	621
## 1187	N	N	907	5670	1608	321	31	235	545	933	68	22	49	49	740	663

## 1188	N	N	743	5665	1516	277	24	152	431	902	89	36	54	40	820	767
## 1189	N	N	961	5769	1667	371	40	238	620	943	88	35	53	64	809	729
## 1190	N	N	791	5487	1445	303	19	220	519	916	77	29	58	41	715	663
## 1191	N	N	724	5519	1431	302	24	172	492	1158	73	31	50	46	683	619
## 1192	N	N	694	5509	1349	239	21	182	524	1326	80	34	79	32	886	818
## 1193	N	N	699	5572	1413	296	26	158	466	1062	86	61	62	41	778	682
## 1194	N	N	853	5518	1472	330	31	198	619	1134	63	37	52	38	892	821
## 1195	N	N	591	5466	1312	201	39	153	443	1099	98	63	47	49	928	847
## 1196	Y	Y	751	5490	1459	292	44	157	515	978	150	74	57	41	692	648
## 1197	N	N	805	5583	1466	308	30	191	557	1021	66	30	81	38	677	622
## 1198	N	N	836	5568	1526	288	39	162	476	926	120	42	75	57	867	808
## 1199	N	N	574	5458	1328	260	25	124	407	985	80	36	72	28	556	511
## 1200	N	N	714	5548	1423	266	24	196	547	1221	99	39	71	40	873	810
## 1201	N	N	801	5655	1567	318	45	155	512	1027	94	44	63	52	758	716
## 1202	N	N	711	5437	1404	294	25	144	522	990	100	39	45	40	716	640
## 1203	Y	N	877	5605	1518	304	14	230	684	1042	98	33	81	35	716	653
## 1204	N	N	642	5341	1317	262	24	124	489	1035	70	31	54	45	754	704
## 1205	N	N	768	5497	1398	317	24	176	556	898	48	14	59	53	643	582
## 1206	N	N	791	5543	1448	325	27	166	651	1155	72	29	55	38	697	648
## 1207	N	N	753	5581	1492	275	45	163	529	1049	86	37	87	38	801	744
## 1208	N	N	678	5531	1442	257	32	128	565	1073	76	39	57	42	831	774
## 1209	N	N	795	5561	1509	290	33	139	586	989	108	37	53	46	637	602
## 1210	N	N	755	5456	1440	281	29	180	593	980	53	37	40	39	638	595
## 1211	N	N	876	5672	1580	342	32	196	580	952	82	32	73	54	796	748
## 1212	N	N	715	5654	1501	298	38	137	420	1030	142	42	56	50	852	787
## 1213	N	N	826	5664	1506	274	36	239	488	1052	65	25	75	42	969	903
## 1214	N	N	894	5661	1580	357	33	190	546	1081	37	25	90	56	826	748
## 1215	N	N	836	5675	1603	272	37	162	450	942	143	46	73	41	734	692
## 1216	N	N	615	5544	1401	295	38	135	441	1022	53	32	35	37	899	794
## 1217	N	N	803	5570	1503	304	37	178	587	1158	86	32	59	48	668	603
## 1218	N	N	842	5736	1614	319	18	169	528	949	101	41	57	62	830	760
## 1219	Y	Y	949	5720	1613	373	25	222	659	1189	68	30	69	55	768	674
## 1220	N	N	865	5534	1481	284	19	242	499	1030	78	51	63	42	831	782
## 1221	N	N	789	5628	1508	308	29	235	489	1080	66	28	38	48	665	621
## 1222	N	N	750	5518	1380	287	28	194	599	1335	77	25	81	25	907	832
## 1223	N	N	858	5676	1565	345	29	184	606	1009	94	55	78	42	857	784
## 1224	N	N	833	5577	1531	331	34	202	568	1181	44	33	54	37	923	883
## 1225	N	N	827	5623	1531	284	54	201	518	1144	86	50	50	43	844	788
## 1226	N	N	718	5486	1447	275	32	148	499	968	96	43	58	40	700	655
## 1227	N	N	803	5468	1458	294	36	187	590	999	89	30	61	52	698	650
## 1228	N	N	720	5538	1432	261	29	150	461	1057	67	48	76	38	905	813
## 1229	N	N	761	5542	1450	226	30	203	536	1092	102	41	62	35	684	647
## 1230	N	N	634	5483	1358	295	32	135	540	1312	138	40	68	40	757	679
## 1231	N	N	780	5623	1494	310	24	191	513	982	116	46	64	40	715	661
## 1232	N	N	635	5474	1361	276	27	151	496	925	109	38	35	33	769	696
## 1233	N	N	897	5527	1483	281	20	242	670	982	84	33	80	50	808	752
## 1234	N	N	684	5532	1376	289	20	185	512	1159	107	23	61	34	731	658
## 1235	N	N	793	5728	1545	336	15	189	608	1061	47	22	55	43	742	682
## 1236	N	N	840	5643	1505	303	23	215	645	1133	100	27	58	46	781	724
## 1237	N	N	680	5483	1428	267	39	142	415	1066	63	40	95	42	744	680
## 1238	N	N	768	5573	1521	304	32	139	566	910	52	25	56	66	705	645
## 1239	N	N	698	5722	1544	276	20	136	492	1058	110	42	54	48	823	772
## 1240	N	N	850	5546	1500	314	33	183	705	874	43	23	72	51	770	695
## 1241	Y	N	855	5555	1544	319	24	214	548	1085	111	47	51	70	659	605

## 1242	N	N	714	5483	1416	278	46	145	469	944	132	42	55	56	842	757
## 1243	N	N	860	5615	1492	323	34	227	500	1099	69	36	61	57	794	724
## 1244	N	N	719	5531	1438	290	34	145	513	1083	58	31	71	42	823	775
## 1245	N	N	696	5550	1419	291	27	191	606	1094	67	26	55	45	856	783
## 1246	N	N	769	5486	1453	308	37	184	534	1084	92	32	45	46	674	639
## 1247	N	N	729	5551	1492	296	27	189	447	902	83	37	54	42	800	724
## 1248	N	N	910	5626	1579	339	21	199	653	1044	45	12	47	63	805	752
## 1249	Y	Y	741	5529	1450	253	23	200	435	1002	137	67	79	49	645	592
## 1250	N	N	703	5584	1506	323	23	194	419	920	65	39	50	37	714	671
## 1251	N	N	820	5565	1453	335	15	222	611	1303	72	23	62	39	889	820
## 1252	N	N	790	5609	1522	337	30	207	503	1093	62	36	54	50	642	582
## 1253	N	N	740	5542	1477	280	34	150	509	1103	65	32	64	34	862	808
## 1254	N	N	723	5602	1521	283	45	168	384	1038	66	28	53	52	787	719
## 1255	N	N	717	5502	1499	306	32	128	512	918	96	38	67	50	732	666
## 1256	Y	N	693	5462	1400	281	32	161	481	1037	115	44	72	42	609	563
## 1257	N	N	701	5503	1445	289	34	126	424	1008	53	33	63	50	935	862
## 1258	N	N	761	5624	1520	278	30	147	447	848	161	57	29	39	643	598
## 1259	N	N	685	5433	1374	284	21	149	541	1094	58	35	67	33	755	695
## 1260	N	N	726	5448	1413	327	19	175	531	1162	79	34	73	38	697	635
## 1261	N	N	688	5564	1441	269	32	134	485	978	102	44	59	42	662	604
## 1262	N	N	886	5624	1552	259	16	229	637	989	84	27	73	43	789	718
## 1263	N	N	722	5505	1421	279	32	175	486	1075	153	40	48	38	648	599
## 1264	N	N	772	5627	1476	310	20	155	537	819	31	22	52	40	658	594
## 1265	N	N	807	5542	1494	282	35	167	639	1083	116	27	56	46	726	672
## 1266	N	N	680	5573	1445	292	38	139	471	1092	73	30	72	49	769	706
## 1267	N	N	684	5502	1416	269	39	130	600	977	99	44	49	48	726	668
## 1268	N	N	699	5507	1408	289	34	130	466	986	102	47	48	37	751	712
## 1269	N	N	649	5462	1427	299	26	128	431	901	71	35	49	44	745	695
## 1270	N	N	805	5538	1494	287	26	170	534	947	83	36	62	35	634	560
## 1271	N	N	750	5552	1519	289	40	157	412	990	151	49	69	51	936	851
## 1272	N	N	865	5716	1528	311	29	260	495	1112	67	15	48	32	858	794
## 1273	N	N	775	5581	1480	307	39	136	486	955	72	35	89	56	705	653
## 1274	N	N	639	5426	1367	311	32	117	491	1090	45	45	89	45	673	627
## 1275	N	N	773	5645	1506	331	38	160	504	965	76	30	67	53	788	727
## 1276	N	N	849	5583	1510	312	26	222	526	1169	52	35	52	44	805	736
## 1277	N	N	768	5610	1556	288	20	164	474	878	121	32	73	41	899	843
## 1278	N	N	820	5619	1510	327	16	192	672	1056	51	23	66	56	825	773
## 1279	N	N	868	5657	1586	291	20	236	502	1056	93	48	58	57	794	743
## 1280	N	N	716	5587	1496	271	46	166	395	928	121	49	43	37	834	758
## 1281	N	N	749	5515	1419	291	12	217	614	1192	124	33	59	38	801	725
## 1282	N	N	870	5619	1576	351	27	196	556	1204	55	23	54	43	782	698
## 1283	N	N	813	5562	1504	325	54	157	561	1108	85	50	60	45	812	749
## 1284	Y	N	822	5642	1548	294	40	203	430	1133	60	40	45	36	675	618
## 1285	N	N	758	5502	1454	309	42	182	497	1249	110	58	74	42	772	696
## 1286	N	N	735	5521	1407	275	27	174	585	1076	79	36	73	46	719	666
## 1287	N	N	757	5589	1515	335	37	124	474	1040	65	34	64	48	971	896
## 1288	N	N	766	5609	1539	309	29	159	486	914	148	57	42	53	732	652
## 1289	N	N	820	5628	1552	307	58	153	601	959	128	49	51	48	751	686
## 1290	N	N	730	5433	1400	301	20	180	502	1233	71	37	82	53	833	763
## 1291	N	N	801	5602	1608	275	34	143	490	872	101	42	50	55	683	632
## 1292	N	N	930	5651	1608	327	21	210	649	1053	139	35	72	49	767	708
## 1293	N	N	834	5558	1469	323	41	200	547	1071	146	35	62	47	731	673
## 1294	N	N	771	5500	1429	266	22	175	650	976	61	20	50	56	727	679
## 1295	N	N	865	5687	1518	294	41	216	626	1203	92	25	95	44	812	747

## 1296	N	N	691	5558	1462	286	17	141	459	1200	68	23	89	49	797	720
## 1297	N	N	731	5576	1465	298	38	161	564	1104	123	31	40	47	679	629
## 1298	N	N	756	5670	1540	266	42	172	404	974	106	37	63	38	792	739
## 1299	N	N	746	5472	1418	297	52	163	494	891	58	25	53	37	790	735
## 1300	Y	Y	781	5522	1484	292	27	184	531	922	59	32	61	40	762	721
## 1301	N	N	689	5474	1395	267	33	190	441	1106	134	52	47	43	856	782
## 1302	N	N	835	5659	1571	357	23	183	505	1061	53	24	40	50	784	731
## 1303	N	N	809	5596	1591	348	27	199	514	906	65	33	63	52	754	694
## 1304	N	N	746	5495	1437	322	22	164	594	1156	123	62	69	49	872	803
## 1305	N	N	712	5398	1350	286	40	171	532	1111	109	24	57	58	732	662
## 1306	N	N	810	5689	1562	328	27	176	534	1149	64	30	49	47	733	665
## 1307	N	N	756	5631	1529	306	30	142	500	939	144	42	47	47	868	827
## 1308	Y	Y	867	5589	1561	352	35	166	689	1042	96	24	64	54	657	618
## 1309	N	N	693	5441	1341	249	20	190	532	1149	78	45	52	35	839	763
## 1310	N	N	752	5643	1530	340	28	151	500	1054	86	33	40	37	690	650
## 1311	N	N	783	5607	1496	293	23	204	536	1113	97	31	66	46	853	796
## 1312	N	N	811	5604	1504	305	27	178	590	1202	72	41	80	59	704	658
## 1313	Y	N	860	5691	1591	313	36	171	622	1152	100	31	58	44	758	706
## 1314	N	N	887	5757	1652	352	50	177	474	1054	103	30	56	45	797	735
## 1315	N	N	790	5627	1504	340	38	201	521	1332	105	34	82	42	891	793
## 1316	N	N	723	5605	1457	293	30	167	547	1043	65	33	55	40	813	761
## 1317	N	N	706	5534	1447	300	46	102	428	1069	78	44	89	47	778	716
## 1318	N	N	822	5554	1578	324	23	123	507	883	139	55	40	65	731	674
## 1319	N	N	735	5614	1544	276	35	129	511	864	137	50	41	55	727	677
## 1320	N	N	801	5554	1455	310	37	231	501	1137	96	32	76	47	776	708
## 1321	N	N	718	5522	1460	273	36	118	512	839	112	30	48	45	725	663
## 1322	N	N	968	5717	1656	326	32	201	637	991	123	40	78	54	777	724
## 1323	N	N	804	5605	1543	294	27	177	549	981	200	46	54	58	750	687
## 1324	N	N	741	5577	1430	295	16	171	664	1119	52	20	49	56	758	689
## 1325	N	N	892	5688	1558	326	41	213	641	1205	138	19	90	52	821	767
## 1326	N	N	724	5569	1463	322	31	148	463	1135	68	30	71	51	846	793
## 1327	N	N	741	5612	1408	322	31	171	557	1229	55	24	49	44	666	611
## 1328	N	N	794	5684	1629	284	22	153	389	861	81	30	62	40	813	754
## 1329	N	N	683	5538	1407	267	37	131	532	907	119	33	39	36	720	677
## 1330	N	N	725	5529	1513	279	13	141	506	909	56	33	54	54	829	741
## 1331	N	N	782	5593	1500	291	36	187	545	1324	131	48	53	52	944	879
## 1332	N	N	816	5555	1460	298	36	179	503	1224	88	25	56	42	844	755
## 1333	N	N	753	5536	1434	344	24	165	533	1044	57	22	47	48	699	644
## 1334	N	N	673	5520	1415	309	31	123	524	1128	69	23	53	41	783	736
## 1335	N	N	720	5409	1355	318	47	159	587	1287	58	23	49	43	706	635
## 1336	N	N	753	5604	1514	316	33	130	618	1023	58	27	42	34	778	714
## 1337	N	N	782	5559	1486	322	30	172	533	990	81	37	42	48	869	810
## 1338	N	N	845	5596	1565	353	33	173	646	1068	120	35	70	62	694	645
## 1339	N	N	811	5553	1458	296	13	235	540	1016	67	34	63	47	729	658
## 1340	N	N	855	5588	1552	329	21	184	636	1186	87	34	50	45	671	624
## 1341	N	N	704	5465	1351	269	24	187	560	1125	85	47	50	41	800	729
## 1342	N	N	805	5543	1455	339	22	171	560	1213	77	29	103	49	761	711
## 1343	N	N	747	5557	1462	310	28	160	570	1209	141	37	57	38	822	766
## 1344	N	N	821	5641	1529	293	41	200	572	1076	63	31	44	44	857	786
## 1345	N	N	770	5499	1397	302	28	208	543	1371	76	28	69	46	767	707
## 1346	N	N	712	5451	1432	284	22	167	449	1051	114	52	52	41	743	691
## 1347	N	N	691	5608	1507	303	28	120	392	1005	79	38	50	36	781	720
## 1348	N	N	765	5540	1486	274	25	159	481	987	129	48	52	50	697	644
## 1349	N	N	700	5506	1455	271	29	137	543	1032	126	43	43	38	648	591

## 1350	N	N	750	5535	1398	324	35	198	550	1203	108	38	69	43	689	623
## 1351	N	N	829	5641	1572	298	49	111	529	979	102	42	36	72	745	675
## 1352	N	N	789	5572	1512	289	20	180	535	1015	118	39	80	39	727	685
## 1353	N	N	799	5606	1491	274	38	172	619	1024	138	36	39	49	715	662
## 1354	N	N	646	5451	1318	270	23	125	574	1226	88	21	48	35	690	640
## 1355	Y	Y	799	5509	1407	291	36	214	586	1117	136	25	67	40	680	625
## 1356	N	N	735	5628	1454	314	21	153	474	1039	57	19	59	51	884	822
## 1357	N	N	637	5568	1390	264	27	154	518	1259	36	17	53	46	764	714
## 1358	N	N	671	5643	1498	285	20	124	417	890	90	32	38	42	811	754
## 1359	N	N	640	5543	1452	311	37	94	452	1044	108	46	48	44	759	701
## 1360	N	N	779	5636	1585	283	26	174	577	985	73	32	42	44	725	677
## 1361	Y	N	774	5541	1443	284	37	180	626	1224	142	50	68	52	671	618
## 1362	N	N	901	5728	1619	376	35	194	595	1207	81	25	63	54	967	860
## 1363	N	N	714	5503	1453	303	32	126	521	938	80	27	59	56	610	561
## 1364	N	N	641	5491	1376	269	26	117	534	1095	81	43	67	36	825	742
## 1365	N	N	720	5565	1408	307	45	173	571	1298	102	40	37	41	782	711
## 1366	N	N	735	5539	1459	300	20	149	602	1064	58	26	52	47	641	581
## 1367	N	N	741	5618	1508	307	19	160	517	1013	76	37	39	46	876	817
## 1368	N	N	872	5543	1495	335	25	212	659	1120	126	39	70	51	736	695
## 1369	N	N	724	5463	1410	246	20	184	534	1022	113	49	62	39	732	663
## 1370	N	N	707	5486	1398	293	29	161	592	1185	56	34	59	42	672	616
## 1371	N	N	673	5462	1349	280	25	158	531	1129	96	40	53	41	723	677
## 1372	N	N	773	5568	1468	314	28	161	582	1211	84	31	81	50	865	806
## 1373	N	N	804	5398	1408	300	50	190	660	1277	106	55	47	60	715	675
## 1374	N	N	743	5540	1443	245	35	183	540	1114	72	33	61	39	745	690
## 1375	N	N	772	5572	1493	296	25	159	568	1226	75	35	63	39	766	690
## 1376	N	N	643	5436	1415	270	32	142	448	990	113	44	43	45	770	722
## 1377	N	N	686	5532	1432	276	51	144	457	1091	88	29	42	32	842	765
## 1378	N	N	883	5622	1604	293	33	173	547	1054	148	63	41	52	761	715
## 1379	N	N	780	5592	1511	278	39	145	607	1068	116	48	63	44	611	558
## 1380	N	N	785	5510	1447	281	37	182	610	1231	68	37	71	47	818	770
## 1381	N	N	817	5608	1539	271	40	172	585	1021	85	32	45	57	765	726
## 1382	Y	Y	915	5660	1604	325	21	244	663	1014	111	28	54	39	753	687
## 1383	N	N	671	5453	1472	295	49	95	526	928	122	44	36	55	757	705
## 1384	N	N	759	5584	1464	307	21	135	527	1046	133	48	50	54	761	685
## 1385	Y	N	820	5578	1439	312	35	224	589	1155	119	28	71	45	709	673
## 1386	N	N	636	5417	1364	289	34	125	499	1142	90	32	46	36	768	723
## 1387	N	N	638	5425	1315	265	31	141	586	1182	82	29	57	36	769	704
## 1388	N	N	640	5543	1430	280	19	160	421	1093	89	33	49	44	692	625
## 1389	N	N	657	5493	1411	275	43	122	392	1158	78	28	50	55	611	571
## 1390	N	N	730	5465	1436	294	29	160	528	1041	75	31	61	43	640	586
## 1391	N	N	803	5462	1434	297	36	199	642	1229	194	61	49	45	754	686
## 1392	N	N	784	5526	1436	296	27	224	472	1253	149	36	37	51	740	698
## 1393	N	N	798	5696	1516	339	13	209	548	1028	73	23	45	49	771	720
## 1394	N	N	710	5493	1416	271	38	156	617	1208	73	40	56	42	874	791
## 1395	N	N	713	5473	1366	301	34	180	589	1529	86	41	39	41	836	765
## 1396	N	N	738	5463	1411	312	25	139	634	1140	63	29	51	35	629	569
## 1397	N	N	613	5554	1440	264	21	133	424	1056	76	34	54	45	785	733
## 1398	N	N	818	5646	1511	358	22	211	587	1140	68	17	47	46	744	679
## 1399	N	N	752	5484	1467	263	21	177	467	922	160	74	79	38	704	658
## 1400	N	N	685	5512	1414	298	27	149	479	1236	55	31	50	38	767	668
## 1401	N	N	790	5579	1515	293	30	188	522	1218	93	43	68	50	685	648
## 1402	N	N	646	5487	1362	290	20	128	545	1184	91	33	64	33	752	684
## 1403	N	N	770	5530	1452	270	54	173	585	1274	99	42	47	47	717	663

## 1404	N	N	751	5643	1515	308	32	152	546	1147	69	30	41	41	743	690
## 1405	N	N	719	5531	1403	294	37	152	514	1375	92	26	55	43	717	652
## 1406	N	N	611	5452	1348	252	25	108	415	1025	100	36	33	29	729	654
## 1407	N	N	676	5604	1534	279	31	121	471	905	115	50	35	53	845	794
## 1408	N	N	681	5488	1363	276	19	155	466	1070	104	52	52	37	702	651
## 1409	N	N	667	5426	1368	270	29	120	533	1184	92	50	46	50	692	643
## 1410	N	N	750	5606	1471	293	33	182	546	1216	81	26	81	35	804	733
## 1411	N	N	781	5568	1521	318	41	142	559	967	68	28	39	53	671	638
## 1412	N	N	859	5567	1485	275	32	201	662	1136	103	30	73	44	693	651
## 1413	N	N	656	5465	1361	266	40	128	502	1095	130	44	46	57	652	597
## 1414	N	N	663	5448	1396	276	30	109	527	1061	156	38	47	51	626	566
## 1415	N	N	772	5581	1451	290	34	166	560	1064	108	21	63	43	640	594
## 1416	N	N	587	5386	1303	276	27	126	463	1207	87	36	33	33	866	784
## 1417	N	N	665	5434	1338	236	24	132	538	1183	124	50	50	46	581	549
## 1418	N	N	513	5409	1274	227	16	101	459	1184	142	39	39	40	698	628
## 1419	Y	Y	697	5488	1411	284	30	162	487	1099	55	32	50	41	583	546
## 1420	N	N	736	5542	1456	285	18	150	541	1027	79	41	50	40	641	577
## 1421	N	N	802	5439	1343	295	37	160	672	1292	172	47	57	57	649	611
## 1422	Y	N	787	5635	1556	268	25	162	511	986	123	48	45	54	687	636
## 1423	N	N	755	5495	1364	319	21	257	471	1164	58	20	55	34	728	676
## 1424	N	N	655	5418	1355	250	31	149	503	1220	110	41	60	47	742	658
## 1425	N	N	731	5421	1357	293	37	172	531	1249	133	55	61	33	662	609
## 1426	N	N	641	5528	1345	244	16	173	504	1260	77	44	28	30	605	572
## 1427	N	N	708	5585	1434	273	13	191	452	1120	81	25	52	43	860	786
## 1428	N	N	875	5710	1600	352	35	203	578	1108	102	42	50	50	737	680
## 1429	N	N	654	5502	1387	252	16	154	475	989	81	53	84	46	706	665
## 1430	N	N	654	5549	1423	285	36	148	425	1202	69	23	59	35	756	690
## 1431	N	N	735	5612	1438	264	19	183	535	1250	97	50	63	40	720	678
## 1432	N	N	704	5509	1380	290	26	154	494	1269	89	42	65	43	760	683
## 1433	N	N	735	5544	1429	274	40	163	555	1201	118	42	57	44	774	713
## 1434	N	N	787	5563	1540	297	34	169	521	1143	49	20	39	58	711	647
## 1435	N	N	625	5508	1358	274	30	149	542	1244	95	41	51	42	702	640
## 1436	N	N	615	5598	1442	309	28	95	401	1164	118	33	46	37	796	719
## 1437	N	N	730	5672	1560	325	41	129	442	1006	153	58	39	57	762	716
## 1438	N	N	667	5513	1394	289	34	155	442	1086	135	52	51	32	633	581
## 1439	N	N	644	5436	1395	237	28	117	498	1087	126	40	45	43	612	563
## 1440	N	N	721	5447	1422	276	31	185	481	1083	94	31	56	44	638	582
## 1441	N	N	619	5487	1357	259	25	103	440	1048	92	39	37	25	804	724
## 1442	N	N	867	5518	1452	267	33	222	627	1138	147	46	74	51	657	605
## 1443	N	N	718	5600	1477	309	39	108	571	1085	130	35	51	48	742	674
## 1444	N	N	645	5452	1330	280	29	114	509	1094	117	43	50	57	679	597
## 1445	N	N	713	5579	1409	258	38	153	539	1024	96	24	56	38	529	495
## 1446	N	N	610	5421	1325	277	35	107	489	1308	108	52	34	44	712	650
## 1447	N	N	593	5417	1284	247	42	91	501	1320	170	44	48	47	611	551
## 1448	N	N	556	5421	1263	253	22	109	435	1280	125	40	37	41	675	621
## 1449	N	N	570	5486	1327	282	24	121	448	1122	85	51	52	43	578	522
## 1450	Y	Y	762	5532	1513	308	22	162	542	978	57	39	44	40	692	608
## 1451	N	N	707	5436	1324	273	37	172	571	1193	155	62	73	35	614	577
## 1452	Y	N	855	5659	1599	310	32	210	475	930	143	45	39	49	677	607
## 1453	N	N	743	5559	1384	285	34	186	525	1184	131	52	48	47	761	700
## 1454	N	N	624	5441	1319	257	22	154	470	1323	106	38	65	32	643	577
## 1455	N	N	734	5462	1416	307	33	165	539	1266	93	51	41	45	688	626
## 1456	N	N	700	5425	1341	263	30	149	567	1289	101	32	34	46	600	549
## 1457	N	N	712	5560	1375	270	16	214	480	1315	58	29	50	30	705	642

## 1458	N	N	734	5604	1459	339	16	165	428	1197	97	31	45	55	806	754
## 1459	N	N	748	5518	1409	228	29	211	461	1203	109	43	65	36	676	646
## 1460	N	N	613	5411	1297	265	36	137	447	1235	94	45	43	24	759	708
## 1461	N	N	669	5477	1377	296	30	172	481	1266	87	27	47	37	588	540
## 1462	N	N	667	5525	1385	266	24	136	555	1087	110	44	59	39	845	766
## 1463	N	N	758	5577	1526	306	52	166	450	1213	100	40	36	39	890	824
## 1464	Y	N	726	5476	1467	279	39	163	511	1103	59	23	57	39	670	596
## 1465	N	N	583	5407	1276	238	28	146	463	1365	105	46	58	30	794	721
## 1466	N	N	676	5636	1492	295	37	131	404	1032	132	38	42	41	746	693
## 1467	N	N	767	5536	1518	273	22	187	449	1113	134	33	47	41	699	640
## 1468	N	N	637	5438	1369	269	23	116	481	1156	104	44	52	38	597	538
## 1469	N	N	609	5437	1327	261	39	137	484	1228	149	41	35	40	724	655
## 1470	N	N	776	5557	1442	300	39	202	466	1240	158	39	90	35	733	682
## 1471	N	N	701	5562	1448	270	30	131	505	1069	135	37	53	56	832	762
## 1472	N	N	804	5524	1462	280	13	245	565	1176	93	27	62	49	668	617
## 1473	N	N	650	5450	1357	286	21	139	503	1250	79	38	42	30	709	651
## 1474	N	N	713	5527	1315	267	32	195	550	1387	122	32	45	34	614	569
## 1475	N	N	684	5544	1414	271	28	158	454	1094	116	23	63	39	680	618
## 1476	N	N	651	5412	1313	241	37	170	444	1354	73	52	51	45	674	615
## 1477	N	N	651	5422	1339	272	43	121	539	1238	155	46	54	34	710	640
## 1478	N	N	619	5494	1285	241	27	149	466	1259	104	35	30	35	651	608
## 1479	Y	Y	718	5558	1495	287	57	103	483	1097	118	39	29	61	649	593
## 1480	N	N	765	5622	1526	290	37	159	533	1192	91	37	53	49	648	603
## 1481	N	N	697	5398	1293	250	30	175	571	1323	134	44	58	42	577	518
## 1482	N	N	808	5590	1526	303	32	200	478	1103	91	44	57	53	707	639
## 1483	N	N	716	5487	1346	247	22	198	473	1251	123	41	55	45	784	745
## 1484	N	N	731	5615	1468	301	25	194	479	1325	105	35	41	36	594	543
## 1485	N	N	685	5676	1468	302	31	130	519	1142	62	41	43	43	695	651
## 1486	N	N	688	5441	1354	247	21	181	542	1384	64	31	55	35	548	512
## 1487	N	N	745	5620	1460	298	14	212	416	1125	79	29	36	45	709	678
## 1488	Y	Y	853	5651	1566	363	29	178	581	1308	123	19	72	50	656	613
## 1489	N	N	598	5563	1385	237	19	148	411	1207	105	42	34	48	723	643
## 1490	N	N	602	5498	1307	297	18	172	439	1230	63	32	67	30	689	643
## 1491	N	N	698	5499	1370	274	20	155	585	1245	67	35	76	46	589	554
## 1492	N	N	745	5465	1391	290	23	171	562	1283	117	36	51	56	662	611
## 1493	N	N	706	5599	1511	283	36	159	427	1204	112	32	26	35	760	708
## 1494	N	N	796	5735	1625	292	23	176	531	1073	35	20	43	47	624	587
## 1495	N	N	610	5457	1307	266	16	148	426	1535	110	61	52	38	848	766
## 1496	N	N	648	5549	1443	254	34	112	422	1048	153	32	42	42	601	555
## 1497	N	N	733	5588	1476	270	39	164	523	1221	82	34	48	64	737	685
## 1498	N	N	649	5491	1447	281	17	138	476	1146	78	28	57	48	582	524
## 1499	N	N	513	5449	1257	219	31	95	432	1232	78	29	56	26	646	602
## 1500	N	N	640	5474	1381	238	43	157	407	1183	142	50	71	35	687	615
## 1501	N	N	614	5564	1346	285	15	151	533	1430	52	33	52	32	788	733
## 1502	N	N	650	5449	1321	247	24	144	466	1214	115	31	57	36	671	633
## 1503	N	N	619	5559	1318	263	32	130	512	1384	114	35	51	32	684	618
## 1504	N	N	767	5521	1403	301	25	186	573	1178	74	28	45	49	625	574
## 1505	N	N	610	5456	1355	255	32	140	417	1205	73	29	53	31	749	689
## 1506	N	N	634	5486	1346	273	35	161	469	1330	94	42	88	29	577	533
## 1507	N	N	618	5517	1349	246	26	146	467	1309	118	34	52	34	700	643
## 1508	N	N	624	5558	1318	249	17	188	529	1353	49	23	31	28	754	702
## 1509	N	N	629	5552	1446	280	35	107	469	1078	67	26	39	42	691	643
## 1510	Y	N	783	5557	1494	322	20	125	481	1110	45	22	64	44	596	555
## 1511	N	N	700	5538	1421	296	23	165	589	1171	73	38	36	55	646	608

## 1512	N	N	730	5585	1465	262	23	176	462	1067	149	46	61	42	636	589
## 1513	N	N	712	5537	1398	273	24	185	510	1123	112	41	38	38	756	685
## 1514	N	N	656	5436	1365	259	27	161	464	1192	88	28	40	39	626	576
## 1515	N	N	615	5552	1379	259	47	118	398	1165	86	33	43	36	742	683
## 1516	N	N	573	5468	1316	240	22	123	472	1369	95	33	43	27	597	547
## 1517	N	N	705	5596	1434	264	16	211	401	1285	44	20	62	36	593	557
## 1518	N	N	634	5551	1355	282	20	123	535	1337	63	25	68	52	715	653
## 1519	N	N	660	5543	1400	279	32	155	417	1362	85	36	60	38	758	687
## 1520	N	N	614	5508	1315	270	31	157	442	1477	65	40	54	41	707	636
## 1521	N	N	595	5395	1282	254	20	131	415	1252	122	52	52	37	612	576
## 1522	N	N	669	5575	1411	284	23	142	504	1189	104	27	42	49	653	581
## 1523	N	N	755	5612	1551	307	41	186	397	1281	85	48	48	48	818	770
## 1524	N	N	757	5630	1557	325	26	155	443	1144	106	41	44	61	705	648
## 1525	N	N	629	5447	1317	240	19	163	495	1442	122	37	55	36	723	657
## 1526	Y	N	651	5545	1456	286	29	95	380	985	153	36	53	47	624	565
## 1527	N	N	773	5652	1464	304	31	155	492	1266	81	39	60	54	630	590
## 1528	N	N	718	5560	1476	302	38	134	519	1246	138	50	61	43	617	554
## 1529	N	N	645	5538	1399	254	36	122	501	1419	58	21	35	39	674	613
## 1530	N	N	650	5462	1366	297	28	150	423	1197	102	43	73	37	657	594
## 1531	N	N	715	5567	1412	316	27	128	544	1329	99	36	53	44	777	728
## 1532	N	N	633	5497	1349	247	26	147	452	1133	112	26	56	47	664	605
## 1533	N	N	629	5472	1306	275	19	125	516	1264	101	34	54	44	618	568
## 1534	N	N	729	5545	1354	253	33	146	586	1104	83	20	49	43	572	524
## 1535	N	N	619	5603	1356	251	27	125	443	1306	109	26	55	37	687	619
## 1536	N	N	682	5536	1436	275	30	156	520	1244	104	47	78	35	631	562
## 1537	N	N	535	5294	1199	224	30	109	468	1294	91	34	41	45	577	523
## 1538	N	N	634	5450	1328	247	32	136	396	1232	96	42	60	34	554	512
## 1539	Y	Y	665	5523	1407	257	42	132	427	1245	56	27	43	49	614	564
## 1540	N	N	619	5426	1371	275	21	105	471	1133	57	32	86	39	603	564
## 1541	N	N	612	5516	1361	263	24	117	527	1124	63	27	66	53	625	579
## 1542	N	N	637	5460	1400	260	28	111	417	1162	105	59	61	45	773	711
## 1543	N	N	723	5549	1435	282	24	177	502	1151	78	21	41	40	686	642
## 1544	N	N	686	5542	1403	265	27	152	517	1304	101	23	56	41	555	495
## 1545	N	N	720	5649	1494	289	48	154	490	1312	132	44	33	57	713	659
## 1546	N	N	573	5420	1361	251	18	100	471	1107	69	33	44	31	760	698
## 1547	N	N	713	5485	1370	246	20	217	418	1331	44	25	51	32	693	646
## 1548	N	N	748	5640	1495	294	33	161	478	1148	71	27	46	42	753	694
## 1549	N	N	622	5533	1381	260	27	136	404	1231	68	42	65	37	701	643
## 1550	N	N	689	5491	1341	272	30	171	567	1518	95	37	74	35	608	546
## 1551	N	N	640	5571	1382	257	27	167	496	1255	134	38	42	40	754	700
## 1552	N	N	669	5439	1395	303	29	141	533	1157	86	28	39	50	640	584
## 1553	N	N	737	5572	1479	274	49	186	388	1283	97	43	33	34	844	799
## 1554	N	N	689	5605	1515	289	49	151	455	1259	83	51	41	35	803	746
## 1555	N	N	729	5459	1363	278	26	230	486	1392	121	48	56	43	618	572
## 1556	Y	Y	724	5575	1497	300	42	139	383	973	104	34	77	47	641	601
## 1557	N	N	661	5417	1331	243	21	176	435	1150	52	34	58	40	675	630
## 1558	N	N	667	5385	1346	263	26	187	563	1258	59	34	60	30	595	553
## 1559	N	N	613	5463	1420	236	40	120	375	1150	112	45	39	40	678	638
## 1560	N	N	655	5480	1378	274	34	145	412	1299	84	29	41	34	737	682
## 1561	N	N	696	5467	1349	277	44	156	439	1264	70	38	40	41	700	653
## 1562	N	N	764	5567	1397	272	19	212	554	1227	63	25	63	54	698	652
## 1563	Y	N	683	5527	1351	295	17	177	488	1290	51	25	68	32	613	557
## 1564	N	N	694	5600	1405	277	46	146	475	1119	78	29	40	38	729	664
## 1565	N	N	626	5529	1374	272	37	130	387	1274	88	32	54	29	809	749

## 1566	N	N	697	5631	1462	292	27	140	461	1322	98	45	89	41	596	532
## 1567	N	N	650	5457	1324	260	36	148	426	1327	82	29	40	42	731	655
## 1568	N	N	656	5544	1379	262	22	198	478	1336	69	45	36	35	726	677
## 1569	N	N	696	5565	1486	288	39	136	457	1159	93	36	49	37	627	597
## 1570	N	N	647	5484	1386	288	39	137	506	1267	69	38	66	42	525	478
## 1571	N	N	644	5485	1383	278	32	167	436	1310	87	45	84	47	642	604
## 1572	N	N	751	5511	1419	279	32	172	503	1233	101	39	76	54	733	680
## 1573	N	N	891	5509	1480	308	17	232	570	1151	88	23	54	62	670	609
## 1574	N	N	703	5428	1363	265	13	177	539	1344	57	23	44	51	635	577
## 1575	N	N	752	5665	1479	285	56	190	463	1427	137	31	50	38	890	821
## 1576	N	N	649	5514	1404	295	27	122	502	1240	75	34	59	52	779	725
## 1577	N	N	744	5524	1413	265	6	253	468	1324	19	13	44	36	715	671
## 1578	N	N	878	5670	1598	343	25	208	558	1160	83	24	43	40	694	640
## 1579	N	N	686	5550	1428	277	33	168	455	1285	77	36	53	44	715	659
## 1580	Y	Y	808	5503	1409	293	30	199	656	1339	66	34	96	37	556	511
## 1581	N	N	716	5487	1403	277	33	164	452	1284	139	51	52	44	854	786
## 1582	Y	N	777	5484	1435	308	29	185	531	1246	134	31	49	60	676	617
## 1583	N	N	845	5614	1544	318	47	204	494	1330	66	39	40	34	860	779
## 1584	N	N	750	5526	1476	252	30	211	493	1303	58	29	53	38	721	672
## 1585	N	N	724	5545	1367	291	29	198	554	1452	102	44	47	31	701	663
## 1586	N	N	675	5552	1450	264	33	147	382	1224	121	35	45	34	712	674
## 1587	N	N	717	5431	1410	279	20	156	471	991	73	34	51	49	727	676
## 1588	N	N	725	5518	1376	272	21	189	525	1321	45	26	58	32	638	598
## 1589	N	N	655	5547	1460	259	42	128	447	1213	71	28	54	38	682	646
## 1590	N	N	671	5330	1299	249	19	194	599	1543	181	56	37	39	733	650
## 1591	N	N	722	5618	1409	288	35	200	513	1426	91	32	44	43	889	814
## 1592	N	N	680	5458	1378	245	20	183	475	1188	72	22	42	49	702	660
## 1593	N	N	671	5459	1342	240	19	218	517	1302	42	18	62	41	617	574
## 1594	N	N	653	5500	1352	270	21	169	442	1145	50	23	33	34	761	718
## 1595	N	N	610	5434	1305	231	35	161	424	1376	96	45	58	30	796	739
## 1596	N	N	729	5542	1426	277	32	153	561	1334	110	45	81	36	758	679
## 1597	N	N	686	5419	1275	257	26	177	449	1500	125	45	58	36	770	708
## 1598	N	N	768	5583	1446	251	17	223	506	1288	56	28	72	41	707	647
## 1599	N	N	715	5565	1437	280	54	130	572	1107	79	36	42	46	631	593
## 1600	N	N	779	5548	1415	299	32	225	526	1318	35	26	70	41	712	656
## 1601	N	N	672	5481	1333	288	32	216	449	1482	60	37	69	28	713	665
## 1602	N	N	765	5525	1446	257	23	215	436	1220	99	36	70	40	757	700
## 1603	N	N	759	5479	1358	276	18	221	632	1362	54	24	55	40	666	613
## 1604	N	N	763	5490	1403	268	29	203	536	1252	121	39	64	63	612	570

##	ERA	CG	SHO	SV	IPouts	HA	HRA	BBA	SOA	E	DP	FP
## 1	3.58	41	15	37	4119	1333	92	584	642	147	173	0.976
## 2	4.10	51	11	29	4140	1337	169	509	817	118	161	0.980
## 3	3.41	57	17	33	4209	1299	113	583	714	125	144	0.980
## 4	4.79	38	3	22	4077	1491	151	554	623	193	141	0.967
## 5	4.64	47	7	15	4095	1484	179	488	506	129	176	0.978
## 6	3.64	81	11	15	4119	1311	92	519	586	126	197	0.979
## 7	5.25	50	2	16	4245	1633	154	585	645	131	149	0.979
## 8	3.30	72	14	15	4161	1282	107	539	738	143	169	0.976
## 9	4.25	46	10	20	4095	1403	146	610	647	150	151	0.975
## 10	3.20	50	18	39	4074	1286	94	500	604	126	182	0.979
## 11	4.67	51	7	11	4227	1475	121	594	566	136	161	0.978
## 12	3.80	76	13	15	4107	1410	138	410	637	147	161	0.975
## 13	5.22	49	4	10	4074	1529	168	577	607	163	139	0.973
## 14	4.48	28	10	24	4149	1467	101	626	639	152	165	0.974

## 15	4.23	51	11	36	4158	1406	139	533	732	138	161	0.977
## 16	3.66	76	16	10	4032	1313	112	478	515	120	173	0.979
## 17	3.88	58	6	8	4119	1279	78	688	668	147	152	0.975
## 18	4.01	41	10	22	4236	1434	118	612	707	176	163	0.972
## 19	4.31	39	8	36	4179	1399	164	533	762	129	138	0.978
## 20	3.05	60	23	33	4149	1255	94	517	701	108	149	0.982
## 21	4.51	41	6	19	4122	1375	131	619	622	154	164	0.974
## 22	4.50	34	8	27	4101	1491	169	547	537	137	194	0.977
## 23	2.78	77	12	36	4257	1220	89	486	678	128	148	0.979
## 24	3.81	58	13	13	4149	1375	138	506	603	127	131	0.978
## 25	3.19	63	13	21	4182	1296	106	553	698	116	171	0.981
## 26	3.09	45	19	33	4170	1258	113	613	692	154	172	0.974
## 27	3.26	51	16	37	4137	1284	86	552	655	127	198	0.979
## 28	5.18	49	3	13	4113	1523	141	685	555	166	163	0.971
## 29	3.59	78	14	12	4095	1329	133	450	570	145	133	0.975
## 30	4.92	37	4	15	4038	1510	128	564	525	173	136	0.971
## 31	4.50	40	11	18	4170	1484	170	535	680	146	178	0.976
## 32	3.84	69	10	7	4149	1396	79	573	562	137	172	0.977
## 33	4.21	35	10	20	4164	1403	103	625	595	162	159	0.973
## 34	3.72	44	9	34	4152	1333	128	582	674	136	140	0.977
## 35	3.68	46	11	37	4134	1296	168	483	773	133	156	0.978
## 36	3.37	55	20	23	4134	1301	111	497	720	111	147	0.981
## 37	4.17	47	10	23	4134	1306	153	601	686	147	147	0.975
## 38	3.95	38	12	22	4089	1373	161	443	576	139	169	0.977
## 39	3.39	45	15	36	4158	1285	111	558	877	108	152	0.981
## 40	3.79	66	16	12	4140	1381	126	517	629	139	159	0.976
## 41	5.35	29	9	22	4146	1486	175	707	572	146	174	0.976
## 42	3.85	61	5	12	4149	1339	138	591	654	152	155	0.975
## 43	3.77	52	6	14	4158	1347	155	560	721	141	165	0.976
## 44	3.23	52	19	33	4116	1163	108	688	731	128	180	0.978
## 45	3.93	58	11	21	4068	1291	161	477	657	110	117	0.981
## 46	4.39	41	5	16	4086	1480	142	536	622	166	175	0.972
## 47	4.56	42	10	15	4128	1376	185	549	730	146	152	0.975
## 48	4.62	37	10	16	4062	1450	99	634	607	154	170	0.974
## 49	4.20	38	10	24	4080	1362	99	547	715	133	142	0.977
## 50	4.17	50	8	20	4194	1354	130	668	712	169	168	0.972
## 51	3.57	46	12	30	4104	1251	171	441	772	111	149	0.981
## 52	3.73	65	11	13	4167	1351	118	524	722	122	160	0.979
## 53	3.96	37	6	17	4176	1325	161	613	744	143	141	0.976
## 54	3.85	47	4	29	4167	1406	141	458	653	113	147	0.981
## 55	3.32	67	17	24	4152	1233	116	564	845	129	130	0.978
## 56	4.06	62	10	15	4137	1389	140	655	788	140	151	0.976
## 57	4.86	30	3	18	4110	1424	187	679	636	166	187	0.973
## 58	3.11	64	12	27	4179	1295	133	467	639	130	159	0.979
## 59	3.78	31	9	28	4134	1287	144	551	765	144	143	0.976
## 60	3.63	50	10	35	4146	1285	114	652	732	135	214	0.977
## 61	4.20	57	4	15	4131	1407	172	437	750	144	140	0.975
## 62	3.74	37	8	24	4128	1406	142	469	662	162	140	0.973
## 63	3.97	41	12	30	4164	1339	155	546	709	134	172	0.978
## 64	5.33	36	1	18	4104	1539	171	730	663	168	173	0.972
## 65	3.46	44	13	25	4224	1272	95	493	767	109	159	0.982
## 66	3.88	55	9	23	4128	1391	116	498	692	149	179	0.976
## 67	3.35	44	18	29	4197	1285	144	456	891	127	136	0.979
## 68	3.35	59	16	27	4203	1305	124	470	665	107	169	0.982

## 69	4.13	30	5	26	4209	1397	144	601	859	137	140	0.976
## 70	4.62	40	5	29	4185	1486	179	429	707	107	139	0.982
## 71	4.06	46	7	23	4140	1381	130	618	807	147	154	0.974
## 72	3.56	52	9	21	4251	1330	147	505	756	121	151	0.980
## 73	4.19	26	6	19	4107	1344	153	565	626	125	162	0.979
## 74	3.47	60	9	24	4233	1347	124	570	693	120	173	0.981
## 75	4.01	35	9	20	4194	1436	150	471	701	161	180	0.974
## 76	3.00	41	13	42	4185	1198	110	580	810	123	183	0.980
## 77	3.79	54	9	23	4203	1363	139	412	858	136	117	0.976
## 78	3.88	47	9	15	4185	1463	158	421	663	170	143	0.972
## 79	3.78	46	11	29	4239	1385	140	506	778	131	168	0.979
## 80	4.85	31	5	16	4131	1482	149	580	691	128	159	0.979
## 81	3.40	55	15	28	4107	1277	106	403	749	114	159	0.980
## 82	3.92	44	5	28	4140	1396	121	521	695	145	172	0.976
## 83	3.61	55	15	25	4167	1296	152	515	751	113	160	0.981
## 84	4.22	27	5	24	4083	1322	142	619	805	150	161	0.975
## 85	3.73	50	7	20	4155	1422	148	419	705	99	148	0.983
## 86	3.73	51	2	20	4119	1283	123	604	766	152	171	0.974
## 87	3.59	59	8	19	4071	1294	133	437	797	106	140	0.982
## 88	4.15	42	9	25	4194	1405	150	467	721	125	166	0.979
## 89	4.47	30	7	31	4104	1399	173	606	855	145	198	0.975
## 90	3.21	72	16	17	4128	1261	125	426	773	119	152	0.980
## 91	3.22	53	21	33	4137	1201	116	557	796	128	182	0.978
## 92	4.32	51	6	15	4191	1480	148	446	778	129	136	0.978
## 93	3.56	43	10	41	4101	1344	123	470	679	133	173	0.978
## 94	3.98	38	7	25	4167	1400	166	512	775	152	156	0.975
## 95	4.12	45	6	25	4143	1398	158	567	822	152	163	0.975
## 96	4.53	28	6	28	4128	1443	156	558	762	118	163	0.980
## 97	3.56	45	15	30	4200	1290	111	476	735	147	163	0.976
## 98	4.17	38	9	25	4092	1386	135	589	724	130	167	0.978
## 99	3.29	44	13	36	4275	1297	129	525	761	130	141	0.979
## 100	4.01	30	11	25	4173	1337	152	519	765	140	142	0.977
## 101	4.31	44	7	26	4071	1460	162	456	690	126	157	0.978
## 102	3.75	58	7	23	4149	1230	148	635	799	127	138	0.978
## 103	4.20	53	9	24	4080	1327	177	432	829	124	131	0.978
## 104	4.35	44	8	21	4080	1452	148	492	703	159	156	0.973
## 105	3.79	43	14	26	4233	1317	157	614	1077	114	154	0.981
## 106	3.51	69	18	18	4200	1406	128	429	775	123	138	0.979
## 107	3.60	38	15	28	4197	1281	120	594	836	131	160	0.978
## 108	4.27	54	8	15	4062	1357	150	474	769	154	132	0.973
## 109	3.90	48	7	17	4179	1432	134	418	730	154	165	0.975
## 110	3.47	52	12	23	4128	1279	139	500	873	152	118	0.974
## 111	4.34	36	8	21	4089	1427	137	564	846	146	158	0.975
## 112	4.01	46	10	21	4080	1358	123	467	694	162	140	0.973
## 113	3.52	48	11	22	4125	1222	117	552	785	107	172	0.982
## 114	4.62	34	6	23	4083	1440	127	580	767	140	156	0.976
## 115	3.60	42	11	26	4143	1338	127	533	695	109	175	0.982
## 116	4.35	36	6	25	4206	1393	152	565	805	143	133	0.977
## 117	4.00	33	8	35	4170	1417	134	442	740	125	155	0.979
## 118	3.95	32	10	30	4146	1308	161	636	771	126	165	0.978
## 119	3.64	40	7	25	4215	1336	141	474	824	137	138	0.977
## 120	4.38	44	4	14	4122	1428	160	525	664	127	149	0.979
## 121	3.40	46	13	20	4194	1218	154	564	1122	124	142	0.979
## 122	3.76	55	13	28	4161	1327	130	518	807	139	137	0.977

## 123	3.52	38	16	42	4194	1225	123	609	712	129	162	0.979
## 124	4.01	45	6	16	4125	1423	133	439	736	155	129	0.974
## 125	3.49	47	11	33	4197	1363	105	386	811	128	163	0.979
## 126	3.44	55	16	26	4188	1288	107	512	897	165	117	0.972
## 127	3.64	37	11	30	4113	1316	127	511	906	141	152	0.976
## 128	3.77	34	10	35	4215	1392	130	538	775	165	159	0.973
## 129	3.22	54	21	33	4413	1226	109	617	926	126	173	0.980
## 130	4.29	35	6	30	4326	1472	167	679	831	143	140	0.977
## 131	4.06	39	3	33	4344	1491	158	498	814	128	138	0.980
## 132	4.48	34	6	25	4155	1492	165	465	755	183	175	0.970
## 133	3.78	46	12	40	4110	1300	147	500	829	134	124	0.977
## 134	4.15	35	12	23	4329	1426	178	599	801	139	142	0.977
## 135	3.55	62	12	30	4377	1404	170	469	836	146	147	0.976
## 136	4.74	32	5	23	4245	1519	141	629	703	174	160	0.972
## 137	4.31	25	5	34	4314	1391	180	713	973	192	154	0.969
## 138	4.04	40	10	35	4134	1346	167	544	1105	136	162	0.976
## 139	4.28	49	14	23	4296	1415	163	570	914	174	150	0.971
## 140	3.89	57	8	16	4173	1357	153	493	652	111	152	0.982
## 141	3.46	47	14	39	4353	1288	137	542	866	124	180	0.980
## 142	4.61	29	9	13	4149	1452	155	521	775	144	179	0.976
## 143	3.92	34	9	29	4086	1442	121	400	759	150	189	0.975
## 144	3.77	39	9	30	4164	1306	152	502	924	133	126	0.977
## 145	3.74	49	10	24	4104	1334	136	570	823	166	165	0.972
## 146	4.23	39	8	21	4275	1405	131	586	666	156	171	0.975
## 147	3.69	32	8	33	4386	1373	147	549	898	122	152	0.980
## 148	4.22	34	12	40	4311	1416	159	632	923	128	152	0.979
## 149	3.73	50	13	28	4353	1380	123	537	821	110	153	0.982
## 150	4.54	29	4	26	4314	1509	159	601	783	146	171	0.977
## 151	3.75	51	13	35	4380	1397	149	567	964	143	144	0.977
## 152	4.14	45	12	31	4323	1410	174	594	780	139	168	0.977
## 153	3.81	46	8	35	4329	1452	169	503	873	156	114	0.974
## 154	3.83	34	9	19	4359	1446	113	471	1047	173	149	0.973
## 155	4.79	32	4	33	4302	1450	199	655	825	132	131	0.978
## 156	3.70	23	15	47	4398	1412	118	616	858	175	153	0.972
## 157	3.62	44	8	46	4464	1386	115	588	1104	191	144	0.970
## 158	3.89	53	11	27	4389	1400	166	493	948	129	173	0.979
## 159	3.68	59	10	24	4302	1443	151	407	802	123	154	0.980
## 160	3.70	33	10	42	4410	1375	146	499	838	131	151	0.979
## 161	5.04	43	4	10	4290	1577	192	571	772	210	167	0.967
## 162	4.28	43	7	24	4278	1469	155	574	863	138	167	0.977
## 163	3.37	40	13	41	4296	1433	118	466	897	152	177	0.976
## 164	3.79	62	10	39	4383	1399	148	503	886	142	153	0.977
## 165	3.55	53	17	25	4389	1394	149	517	914	132	170	0.979
## 166	4.04	38	11	13	4335	1400	151	593	771	139	160	0.978
## 167	3.45	35	8	43	4356	1353	137	507	913	99	157	0.984
## 168	3.97	29	7	32	4347	1367	152	539	1009	132	119	0.978
## 169	2.97	49	21	39	4407	1311	100	440	932	130	163	0.979
## 170	3.08	45	15	28	4371	1357	119	400	851	155	172	0.976
## 171	3.29	55	22	36	4317	1307	117	425	1048	135	127	0.978
## 172	3.79	40	14	25	4407	1390	176	478	1018	143	129	0.977
## 173	3.90	42	7	28	4368	1407	195	477	930	113	124	0.981
## 174	3.44	36	16	20	4350	1341	95	378	937	162	100	0.974
## 175	3.92	35	11	29	4374	1417	156	540	887	124	131	0.980
## 176	3.52	30	13	31	4365	1317	120	578	889	163	155	0.974

## 177	2.85	51	24	29	4407	1329	111	402	1095	158	129	0.975
## 178	3.28	58	13	30	4338	1322	162	459	941	144	140	0.976
## 179	3.27	56	18	25	4413	1327	149	489	924	129	161	0.980
## 180	3.07	59	19	31	4347	1239	115	476	965	108	162	0.982
## 181	4.12	42	5	12	4281	1452	162	529	806	208	151	0.967
## 182	3.09	45	12	31	4371	1262	113	553	1052	142	147	0.978
## 183	3.10	34	16	33	4344	1350	99	457	900	182	195	0.972
## 184	3.35	46	9	30	4407	1380	126	464	954	156	113	0.975
## 185	3.32	49	17	32	4389	1329	124	463	978	147	136	0.976
## 186	4.42	29	8	25	4341	1486	176	537	744	182	165	0.971
## 187	3.16	44	17	41	4374	1292	129	456	939	95	159	0.985
## 188	4.50	21	9	38	4266	1464	178	571	1094	136	123	0.977
## 189	2.72	44	20	45	4401	1216	124	401	955	122	164	0.981
## 190	4.08	58	11	19	4335	1510	144	423	737	162	147	0.975
## 191	3.07	54	14	35	4401	1306	112	436	1122	130	137	0.979
## 192	3.75	37	16	37	4461	1443	154	565	1162	118	149	0.981
## 193	3.84	35	11	35	4359	1343	164	536	993	109	137	0.982
## 194	3.41	30	9	31	4284	1421	105	353	852	149	124	0.976
## 195	4.71	18	6	27	4365	1516	220	614	966	154	152	0.975
## 196	2.91	30	28	41	4350	1273	100	530	965	138	168	0.978
## 197	2.95	47	19	27	4449	1289	88	458	1062	170	126	0.973
## 198	3.58	47	4	29	4431	1361	181	545	1099	145	131	0.977
## 199	4.12	45	14	39	4302	1411	160	452	906	143	139	0.977
## 200	3.15	46	18	45	4518	1312	129	504	989	107	158	0.983
## 201	4.25	40	10	15	4314	1511	130	466	717	166	154	0.974
## 202	3.36	37	17	41	4383	1402	129	440	1009	156	150	0.975
## 203	3.52	42	14	29	4329	1429	92	476	951	177	179	0.972
## 204	3.19	48	17	30	4428	1348	118	480	1023	159	136	0.975
## 205	3.43	47	10	38	4335	1405	133	410	877	172	147	0.973
## 206	3.98	27	5	26	4305	1417	172	505	794	127	145	0.979
## 207	2.98	32	15	41	4431	1268	120	510	939	126	152	0.980
## 208	4.24	33	9	25	4317	1443	158	543	993	159	129	0.974
## 209	3.17	39	14	33	4323	1259	91	563	847	123	149	0.981
## 210	2.99	21	14	53	4443	1261	122	460	946	126	156	0.981
## 211	3.78	33	9	35	4416	1470	154	481	855	171	166	0.974
## 212	3.88	43	9	34	4371	1355	136	587	1113	117	142	0.981
## 213	3.30	41	13	41	4374	1254	129	500	1156	114	127	0.981
## 214	3.35	45	14	31	4365	1283	137	509	1069	114	126	0.981
## 215	3.84	29	7	26	4383	1459	123	388	931	166	130	0.974
## 216	4.24	18	7	32	4299	1399	161	574	882	139	142	0.977
## 217	2.81	58	23	34	4428	1223	127	425	1079	134	135	0.979
## 218	3.14	32	12	45	4371	1278	166	503	934	172	158	0.973
## 219	3.52	43	4	38	4341	1336	123	541	966	140	145	0.978
## 220	3.28	41	11	31	4377	1337	126	511	1001	137	166	0.978
## 221	4.06	29	11	14	4362	1462	147	498	776	169	153	0.974
## 222	3.53	50	18	21	4404	1426	116	466	1071	157	153	0.975
## 223	3.01	49	17	27	4437	1324	89	469	882	152	189	0.977
## 224	3.20	42	17	42	4395	1325	137	408	1060	148	124	0.976
## 225	3.77	40	11	35	4383	1414	166	467	916	130	152	0.979
## 226	3.93	21	8	40	4305	1376	160	633	867	143	148	0.976
## 227	3.68	37	10	36	4407	1430	129	485	884	154	139	0.976
## 228	3.32	23	13	51	4398	1267	127	514	1070	115	142	0.981
## 229	3.92	32	10	31	4389	1402	164	577	977	153	153	0.975
## 230	3.56	31	12	40	4371	1364	136	511	836	136	186	0.979

##	231	2.68	38	22	34	4425	1229	101	403	896	160	149	0.976
##	232	4.33	28	6	24	4374	1513	184	479	908	166	132	0.974
##	233	4.08	28	10	35	4308	1408	153	490	1043	122	133	0.980
##	234	3.23	49	15	28	4401	1260	129	489	1111	138	132	0.977
##	235	3.85	36	11	38	4362	1356	185	520	1026	117	142	0.981
##	236	3.76	34	13	26	4329	1468	130	391	929	174	126	0.972
##	237	3.56	19	11	47	4305	1281	106	630	854	139	154	0.977
##	238	2.62	52	20	35	4374	1287	84	356	1084	133	128	0.979
##	239	3.13	52	11	28	4314	1246	139	392	1015	139	118	0.977
##	240	3.41	29	7	32	4245	1318	124	443	842	142	142	0.977
##	241	4.17	37	9	22	4281	1497	166	521	773	159	171	0.975
##	242	3.57	52	15	23	4377	1439	137	412	928	113	147	0.982
##	243	3.52	35	12	43	4389	1445	125	463	898	141	215	0.978
##	244	3.24	52	14	27	4428	1370	140	359	973	168	131	0.974
##	245	3.11	47	19	32	4377	1345	130	448	892	145	166	0.977
##	246	3.70	25	6	35	4257	1282	154	448	866	142	139	0.977
##	247	3.47	35	5	32	4362	1377	118	449	862	138	148	0.978
##	248	3.32	29	17	36	4371	1218	116	566	1034	124	144	0.980
##	249	3.36	41	9	44	4377	1307	142	477	1010	142	142	0.977
##	250	3.19	19	14	46	4290	1246	118	525	892	111	135	0.982
##	251	2.45	36	24	39	4470	1197	87	465	927	137	149	0.979
##	252	3.48	47	7	28	4371	1352	142	463	888	121	143	0.981
##	253	3.05	34	18	39	4404	1328	101	498	1065	121	124	0.980
##	254	3.25	49	14	27	4431	1258	120	559	1189	115	138	0.981
##	255	3.32	46	17	40	4329	1230	151	472	1038	130	126	0.978
##	256	4.03	35	8	21	4335	1444	120	485	1060	157	120	0.974
##	257	3.68	26	10	34	4284	1265	125	558	990	132	120	0.978
##	258	3.21	41	17	24	4419	1421	93	393	967	160	144	0.975
##	259	3.14	58	18	24	4383	1336	115	396	1089	132	123	0.978
##	260	3.24	37	16	27	4440	1375	110	480	898	154	144	0.976
##	261	3.73	36	10	19	4299	1369	124	536	893	157	147	0.975
##	262	3.10	46	17	23	4359	1372	86	403	967	137	174	0.978
##	263	3.74	35	5	35	4374	1439	108	561	820	141	186	0.978
##	264	2.92	64	17	25	4422	1283	113	453	990	134	149	0.979
##	265	3.05	44	17	45	4395	1313	97	431	956	140	127	0.977
##	266	3.38	24	14	39	4419	1334	113	495	878	144	167	0.978
##	267	2.92	44	16	29	4422	1326	87	362	871	125	139	0.980
##	268	2.66	53	16	31	4353	1111	101	502	1044	120	131	0.981
##	269	3.33	55	17	31	4341	1303	115	523	972	128	147	0.979
##	270	3.43	29	11	31	4311	1234	131	519	869	140	156	0.977
##	271	2.75	20	11	40	4404	1290	97	451	834	151	152	0.977
##	272	3.41	46	12	32	4359	1399	138	392	894	119	149	0.981
##	273	3.56	24	16	38	4470	1399	114	573	963	144	144	0.978
##	274	2.66	48	23	32	4392	1087	98	540	1157	126	130	0.979
##	275	2.71	59	19	29	4467	1180	129	486	1115	101	133	0.984
##	276	3.26	50	12	23	4338	1362	68	479	1021	152	129	0.975
##	277	2.69	38	23	31	4344	1293	65	414	994	144	144	0.977
##	278	2.89	46	14	29	4299	1224	92	414	996	170	117	0.973
##	279	2.79	45	14	27	4401	1308	99	424	831	139	142	0.979
##	280	2.72	45	25	32	4449	1250	87	430	1014	133	142	0.979
##	281	2.94	45	18	29	4365	1220	124	505	997	145	136	0.976
##	282	3.36	42	12	27	4344	1416	91	421	935	127	163	0.980
##	283	2.74	42	19	30	4461	1322	73	485	897	139	162	0.979
##	284	2.71	77	20	16	4407	1302	86	344	942	162	125	0.975

## 285	2.49	63	30	32	4437	1282	82	375	971	140	135	0.978
## 286	3.64	26	11	28	4317	1402	118	517	826	148	144	0.976
## 287	3.53	38	7	42	4335	1334	144	438	893	115	114	0.981
## 288	2.83	50	20	36	4419	1194	117	498	897	101	145	0.984
## 289	3.92	30	7	41	4398	1423	155	685	935	157	178	0.975
## 290	3.54	25	9	39	4314	1294	126	517	885	135	164	0.978
## 291	4.21	29	10	25	4311	1470	146	564	810	122	163	0.981
## 292	3.34	58	22	27	4362	1366	118	475	1017	136	149	0.979
## 293	4.11	23	11	44	4395	1478	149	611	818	168	158	0.973
## 294	3.94	35	7	22	4311	1330	134	681	1000	142	153	0.976
## 295	3.31	55	20	28	4365	1250	128	586	1032	126	130	0.979
## 296	3.60	52	11	34	4305	1347	111	547	1221	150	136	0.975
## 297	3.72	42	10	25	4392	1357	136	560	894	156	114	0.975
## 298	3.08	47	20	31	4371	1324	122	420	975	109	130	0.981
## 299	3.24	41	8	43	4491	1388	119	524	906	150	177	0.977
## 300	4.33	26	8	21	4278	1429	145	702	973	184	179	0.970
## 301	3.23	53	13	20	4320	1258	118	522	801	131	158	0.979
## 302	2.99	51	28	35	4404	1217	119	517	1012	122	146	0.980
## 303	3.71	42	14	36	4440	1356	163	586	887	137	162	0.978
## 304	4.14	47	14	21	4302	1494	134	570	921	136	157	0.978
## 305	3.61	39	9	33	4335	1348	96	553	1124	155	169	0.975
## 306	4.24	16	9	25	4266	1454	113	592	764	155	140	0.975
## 307	4.35	21	6	33	4389	1490	172	653	963	167	149	0.974
## 308	3.26	71	15	17	4419	1381	120	461	906	169	155	0.974
## 309	2.94	63	12	26	4380	1289	99	511	1004	138	144	0.978
## 310	3.49	28	10	41	4341	1310	135	656	835	140	159	0.978
## 311	4.33	45	9	24	4292	1451	185	478	960	141	118	0.977
## 312	3.15	60	12	31	4436	1317	139	469	941	117	148	0.981
## 313	3.87	38	8	44	4339	1391	156	594	1003	156	131	0.974
## 314	3.48	21	10	49	4387	1280	154	559	922	127	169	0.980
## 315	4.54	20	6	30	4291	1554	164	556	762	165	187	0.975
## 316	3.76	59	9	25	4305	1402	143	475	1000	137	146	0.978
## 317	3.69	32	15	60	4334	1370	118	592	843	151	173	0.976
## 318	3.91	34	8	35	4354	1333	163	689	1076	133	168	0.979
## 319	4.09	33	9	39	4342	1443	153	623	1045	133	142	0.978
## 320	4.23	36	6	35	4368	1491	131	577	942	140	144	0.978
## 321	3.78	30	11	25	4391	1346	138	641	915	152	162	0.976
## 322	3.82	37	17	42	4376	1394	164	496	880	135	135	0.978
## 323	3.23	26	12	58	4345	1329	130	486	940	123	130	0.980
## 324	4.21	31	2	27	4340	1397	146	587	895	136	142	0.978
## 325	4.50	29	10	32	4316	1434	162	716	914	141	193	0.977
## 326	3.24	36	6	49	4415	1386	130	451	777	130	146	0.980
## 327	3.45	47	10	32	4379	1260	135	575	1064	124	136	0.979
## 328	3.30	33	15	40	4328	1253	134	542	858	141	152	0.977
## 329	4.17	24	8	36	4383	1483	132	538	1047	114	134	0.981
## 330	3.70	36	13	43	4361	1386	106	625	990	137	195	0.979
## 331	4.36	24	9	32	4321	1483	149	611	886	158	159	0.975
## 332	4.50	50	7	30	4373	1514	156	604	931	170	153	0.973
## 333	4.06	51	11	20	4427	1483	102	632	960	150	159	0.977
## 334	3.80	20	11	40	4373	1375	139	611	823	116	173	0.982
## 335	3.75	40	11	31	4424	1529	152	485	823	146	180	0.977
## 336	2.99	71	15	22	4246	1257	125	416	793	112	148	0.981
## 337	3.80	44	11	35	4329	1424	136	535	871	116	149	0.981
## 338	3.10	39	11	32	4443	1246	101	607	904	131	159	0.980

## 339	3.12	46	19	32	4351	1348	100	468	976	160	128	0.975
## 340	3.61	75	17	13	4332	1458	132	411	900	126	150	0.980
## 341	3.35	27	11	38	4332	1298	112	501	750	103	174	0.984
## 342	4.28	21	7	32	4320	1352	154	770	937	116	159	0.981
## 343	3.63	53	11	32	4405	1355	126	609	1000	106	156	0.983
## 344	3.13	43	10	25	4414	1318	75	475	914	106	152	0.983
## 345	3.25	34	15	44	4261	1301	84	496	775	132	178	0.979
## 346	3.23	48	18	33	4349	1363	110	399	853	131	159	0.979
## 347	3.81	43	9	25	4250	1384	139	529	895	118	134	0.980
## 348	3.38	32	23	32	4249	1303	130	569	795	138	152	0.977
## 349	4.12	49	8	25	4303	1418	133	658	829	150	164	0.976
## 350	3.43	67	15	12	4356	1382	126	423	707	125	159	0.981
## 351	2.99	42	13	22	4399	1227	100	529	1157	114	135	0.981
## 352	3.05	57	18	36	4408	1229	131	501	999	117	157	0.981
## 353	3.71	31	10	25	4412	1396	132	525	838	122	158	0.981
## 354	3.31	43	15	48	4383	1426	108	470	813	133	164	0.979
## 355	3.22	47	10	17	4314	1351	93	559	923	161	144	0.974
## 356	3.32	45	14	30	4364	1324	128	471	831	179	153	0.972
## 357	3.85	56	14	22	4401	1482	104	576	911	142	155	0.978
## 358	3.70	30	10	26	4256	1376	132	554	762	141	170	0.977
## 359	4.27	40	4	27	4131	1412	155	512	732	156	130	0.974
## 360	2.53	62	20	21	4115	1116	85	395	788	100	150	0.983
## 361	3.47	48	20	25	4148	1309	101	512	918	130	141	0.978
## 362	3.06	57	18	16	4133	1109	90	620	1000	114	135	0.981
## 363	3.12	36	14	42	4156	1269	94	431	936	135	136	0.977
## 364	3.22	54	19	32	4196	1329	112	421	824	132	148	0.979
## 365	3.21	25	15	60	4238	1313	129	435	806	110	143	0.982
## 366	2.92	47	13	25	4230	1232	123	534	846	116	157	0.981
## 367	2.96	46	11	33	4165	1212	101	465	952	96	137	0.984
## 368	3.77	38	14	31	4156	1340	114	498	971	116	151	0.980
## 369	3.24	44	16	28	4144	1293	85	405	801	116	164	0.981
## 370	2.78	50	23	29	4209	1196	83	429	856	162	145	0.974
## 371	2.84	37	17	34	4198	1188	105	444	838	159	133	0.974
## 372	3.45	37	14	32	4175	1289	116	486	740	139	145	0.977
## 373	3.59	39	11	23	4204	1281	103	579	888	134	141	0.978
## 374	3.05	35	19	39	4120	1306	87	419	625	134	179	0.978
## 375	3.26	32	12	41	4244	1263	118	486	1059	116	122	0.980
## 376	2.58	42	23	43	4253	1170	96	418	862	130	146	0.979
## 377	3.66	43	13	15	4200	1318	117	536	927	116	142	0.981
## 378	2.81	39	15	48	4243	1282	90	433	838	136	171	0.978
## 379	3.78	39	17	19	4211	1350	121	618	960	144	146	0.976
## 380	3.69	44	8	23	4159	1309	130	507	771	156	121	0.974
## 381	3.42	64	13	13	4199	1290	87	531	912	141	146	0.977
## 382	3.53	11	8	34	4124	1258	92	613	868	166	147	0.972
## 383	4.25	34	9	35	4386	1467	144	575	803	166	142	0.974
## 384	3.07	67	14	26	4385	1297	124	475	715	119	184	0.981
## 385	3.65	67	10	33	4321	1417	158	499	808	127	162	0.979
## 386	3.53	72	13	19	4369	1351	104	614	1010	156	153	0.975
## 387	3.86	48	15	35	4368	1484	110	574	848	144	165	0.977
## 388	3.66	27	13	40	4313	1471	128	438	885	157	155	0.975
## 389	3.40	39	17	43	4419	1389	135	518	801	115	162	0.982
## 390	4.58	55	9	21	4394	1532	172	602	883	139	174	0.978
## 391	3.90	39	11	46	4343	1468	154	493	911	112	144	0.982
## 392	3.75	45	14	26	4382	1389	111	575	907	116	140	0.981

## 393	4.19	40	7	41	4348	1521	114	617	790	167	192	0.974
## 394	3.00	45	15	38	4473	1270	129	461	961	125	166	0.981
## 395	3.77	48	18	34	4355	1443	115	519	879	139	147	0.978
## 396	3.98	50	11	28	4362	1476	119	623	671	145	167	0.977
## 397	3.71	26	6	38	4355	1356	128	681	866	163	156	0.974
## 398	3.34	47	16	39	4283	1379	109	457	708	156	172	0.976
## 399	3.26	47	15	40	4395	1345	127	490	1027	126	140	0.980
## 400	3.29	46	16	41	4372	1311	143	494	797	137	170	0.978
## 401	3.99	49	11	22	4342	1435	131	632	919	134	179	0.979
## 402	3.73	26	11	44	4352	1426	110	564	839	151	156	0.976
## 403	4.16	34	10	23	4290	1461	157	548	845	170	152	0.973
## 404	3.79	33	8	44	4357	1442	145	485	787	163	138	0.974
## 405	3.25	42	14	36	4382	1366	105	486	867	159	149	0.975
## 406	4.64	35	10	27	4290	1514	130	680	831	161	164	0.974
## 407	3.05	46	21	22	4423	1343	97	488	772	132	161	0.979
## 408	3.27	57	16	25	4422	1393	101	480	701	128	174	0.980
## 409	3.72	71	12	18	4366	1462	126	463	751	145	156	0.977
## 410	3.52	64	13	12	4317	1339	101	649	986	147	150	0.976
## 411	3.94	55	11	29	4397	1470	103	548	826	147	188	0.977
## 412	4.28	23	6	26	4399	1593	122	576	895	199	141	0.969
## 413	3.41	34	11	27	4399	1364	126	536	875	134	151	0.979
## 414	3.80	45	9	27	4337	1419	138	479	650	146	157	0.977
## 415	4.16	54	7	15	4367	1443	148	621	869	158	155	0.975
## 416	3.46	36	18	18	4352	1396	84	601	738	113	161	0.982
## 417	3.51	54	13	17	4415	1477	91	482	731	152	166	0.976
## 418	2.97	33	19	23	4396	1272	112	464	943	157	122	0.975
## 419	3.64	43	11	29	4366	1436	115	513	934	151	164	0.976
## 420	3.76	43	11	24	4373	1476	126	493	621	127	168	0.980
## 421	3.60	35	8	27	4287	1340	99	544	822	153	157	0.976
## 422	3.31	53	13	24	4366	1402	104	528	829	142	158	0.977
## 423	3.42	46	15	14	4411	1433	99	504	908	158	150	0.975
## 424	2.95	49	12	28	4319	1322	90	430	755	141	154	0.977
## 425	3.91	46	4	19	4342	1394	111	682	892	148	168	0.976
## 426	3.49	51	9	17	4398	1428	93	543	721	162	154	0.975
## 427	4.58	25	7	19	4337	1536	124	715	855	170	126	0.973
## 428	3.78	27	11	25	4317	1409	116	559	756	175	153	0.972
## 429	3.48	37	13	20	4420	1399	97	616	794	147	192	0.977
## 430	3.82	62	16	12	4301	1423	126	449	871	163	164	0.974
## 431	3.91	32	4	24	4290	1543	101	519	669	175	147	0.972
## 432	3.17	70	19	21	4353	1285	110	500	717	107	175	0.983
## 433	3.98	62	11	31	4310	1463	145	490	720	139	142	0.977
## 434	3.89	59	19	16	4360	1386	123	613	975	184	164	0.971
## 435	3.93	34	7	39	4357	1489	107	655	799	140	155	0.978
## 436	4.49	27	8	33	4333	1587	130	551	850	179	152	0.972
## 437	3.37	22	8	50	4377	1422	112	487	663	102	173	0.984
## 438	3.84	37	6	33	4306	1395	136	599	800	134	156	0.978
## 439	4.27	52	10	17	4188	1496	137	533	787	173	141	0.972
## 440	4.04	39	6	25	4375	1436	106	679	839	137	166	0.979
## 441	3.47	52	11	25	4370	1422	108	498	815	155	151	0.976
## 442	2.92	51	18	21	4409	1215	104	448	894	127	106	0.979
## 443	4.05	57	7	22	4269	1381	137	617	846	170	147	0.973
## 444	4.34	36	10	34	4295	1496	133	624	643	180	162	0.971
## 445	3.72	30	12	25	4440	1448	102	665	831	180	179	0.973
## 446	3.29	70	11	20	4272	1325	104	502	809	135	148	0.978

## 447	3.39	40	14	31	4398	1344	99	580	989	151	144	0.976
## 448	3.27	36	10	44	4344	1267	102	523	784	143	140	0.977
## 449	3.82	33	11	30	4365	1353	111	546	897	152	156	0.976
## 450	3.01	43	14	31	4312	1302	79	551	768	151	147	0.976
## 451	3.48	40	12	20	4390	1494	99	521	713	188	163	0.971
## 452	3.74	37	9	24	4298	1406	92	612	856	146	164	0.976
## 453	3.57	33	13	36	4364	1452	98	571	824	171	140	0.973
## 454	3.86	60	16	17	4397	1456	123	518	792	191	173	0.971
## 455	3.86	33	13	27	4314	1435	86	564	818	167	151	0.973
## 456	3.32	59	16	23	4406	1396	80	489	678	118	157	0.982
## 457	3.52	49	13	27	4374	1495	109	409	673	141	148	0.978
## 458	3.36	64	15	17	4432	1323	95	553	992	150	139	0.977
## 459	4.25	54	10	22	4344	1460	87	600	802	130	155	0.979
## 460	3.93	27	12	33	4414	1511	123	490	850	140	145	0.978
## 461	3.51	33	12	45	4413	1436	100	491	790	102	157	0.984
## 462	3.47	30	17	46	4296	1361	80	533	928	121	159	0.980
## 463	3.87	55	12	20	4294	1426	101	550	738	168	161	0.974
## 464	3.56	42	17	29	4333	1349	82	662	780	140	155	0.978
## 465	3.21	41	12	35	4417	1356	83	493	735	139	147	0.978
## 466	3.02	47	17	28	4412	1330	97	479	747	128	154	0.980
## 467	3.69	29	11	23	4377	1421	89	610	762	172	182	0.973
## 468	3.64	45	10	27	4306	1406	99	567	677	152	160	0.975
## 469	3.99	26	10	21	4320	1442	89	659	783	155	179	0.976
## 470	3.19	62	15	37	4365	1300	97	448	674	126	141	0.980
## 471	2.94	53	18	25	4347	1248	97	419	1025	131	116	0.979
## 472	3.26	39	15	29	4378	1412	96	415	711	144	130	0.977
## 473	3.08	34	9	44	4377	1377	98	397	918	115	148	0.981
## 474	3.36	45	12	35	4399	1402	95	460	762	163	142	0.975
## 475	3.65	47	11	18	4297	1368	87	543	652	141	148	0.978
## 476	3.53	27	18	31	4385	1464	68	518	746	186	153	0.971
## 477	3.60	35	15	26	4361	1416	91	581	731	174	163	0.973
## 478	3.45	63	15	15	4416	1464	106	461	773	156	142	0.976
## 479	4.85	28	5	31	4336	1581	169	701	915	175	127	0.972
## 480	3.74	65	11	23	4353	1414	124	494	737	106	189	0.983
## 481	4.11	40	13	40	4284	1555	158	378	758	133	162	0.978
## 482	3.72	53	13	26	4313	1383	136	572	965	147	137	0.976
## 483	4.25	34	3	40	4334	1557	136	516	842	159	125	0.974
## 484	4.01	16	10	44	4404	1500	128	489	942	153	147	0.977
## 485	4.21	33	12	32	4312	1469	156	544	868	95	154	0.984
## 486	4.10	45	8	30	4357	1441	136	550	876	130	145	0.979
## 487	4.13	44	3	23	4371	1526	162	470	784	142	153	0.978
## 488	3.54	37	11	28	4397	1384	110	545	871	142	136	0.978
## 489	3.52	41	15	42	4382	1377	110	499	850	137	145	0.978
## 490	3.22	34	13	39	4426	1393	119	438	930	124	160	0.981
## 491	4.36	35	4	25	4326	1546	151	507	737	143	184	0.978
## 492	4.32	38	6	25	4293	1461	136	566	719	139	165	0.978
## 493	4.01	31	11	33	4443	1426	135	579	856	129	128	0.980
## 494	3.61	52	16	34	4348	1395	139	486	758	132	151	0.979
## 495	3.77	27	12	28	4301	1378	118	490	911	134	132	0.978
## 496	4.04	32	4	26	4310	1459	145	560	788	190	136	0.970
## 497	3.71	31	7	47	4367	1451	134	482	856	120	168	0.981
## 498	3.61	25	15	39	4445	1406	149	485	890	145	137	0.977
## 499	4.43	6	5	44	4399	1556	160	673	827	189	142	0.971
## 500	4.83	18	1	31	4299	1508	194	578	785	147	162	0.976

## 501	3.75	27	10	33	4377	1501	114	529	854	179	136	0.972
## 502	3.81	26	10	31	4338	1420	139	532	768	139	174	0.978
## 503	3.56	49	17	31	4417	1412	134	471	864	117	156	0.982
## 504	4.57	40	3	20	4285	1538	152	623	771	164	133	0.974
## 505	4.08	29	12	32	4321	1404	132	624	848	153	126	0.975
## 506	3.56	65	16	33	4287	1340	107	509	754	110	166	0.982
## 507	3.54	57	15	26	4418	1530	137	464	706	146	171	0.977
## 508	3.65	44	13	33	4367	1382	125	599	892	136	136	0.978
## 509	4.21	38	9	33	4228	1380	128	586	710	139	130	0.977
## 510	4.05	24	7	38	4366	1475	125	539	768	144	154	0.978
## 511	3.81	16	10	46	4345	1437	122	567	908	134	120	0.978
## 512	3.97	36	6	28	4222	1397	100	568	739	123	142	0.980
## 513	3.64	60	12	21	4367	1441	135	503	684	118	177	0.981
## 514	3.63	48	17	23	4321	1328	86	578	930	133	109	0.978
## 515	3.44	53	14	33	4317	1350	108	478	657	150	153	0.976
## 516	3.12	46	16	38	4321	1362	107	440	800	140	138	0.978
## 517	3.69	48	9	26	4379	1468	102	520	703	146	171	0.977
## 518	3.65	62	19	24	4308	1442	109	398	577	150	144	0.977
## 519	3.42	42	13	32	4338	1332	117	572	740	134	150	0.979
## 520	3.18	39	16	36	4382	1321	111	478	817	113	134	0.982
## 521	3.87	21	7	26	4366	1447	114	531	775	132	160	0.979
## 522	3.62	26	11	29	4300	1401	106	582	750	179	145	0.971
## 523	3.33	38	9	29	4309	1343	118	393	813	104	156	0.983
## 524	3.41	30	13	44	4334	1366	103	499	880	167	133	0.973
## 525	3.28	21	10	55	4301	1385	74	483	744	160	171	0.975
## 526	4.67	28	4	20	4258	1540	155	567	630	141	174	0.978
## 527	3.30	42	17	29	4365	1377	84	453	840	146	118	0.977
## 528	3.58	32	13	22	4313	1300	94	600	859	136	155	0.978
## 529	3.36	54	12	25	4369	1431	108	421	776	153	140	0.976
## 530	4.54	35	5	23	4288	1529	149	614	758	131	163	0.979
## 531	4.18	32	3	34	4223	1496	132	494	779	183	139	0.970
## 532	3.26	52	12	30	4303	1279	133	467	786	125	161	0.980
## 533	4.03	47	11	29	4294	1487	133	463	731	142	166	0.977
## 534	4.34	46	9	33	4308	1463	131	573	820	135	172	0.978
## 535	4.10	28	9	37	4227	1365	114	618	675	173	142	0.972
## 536	3.88	20	11	44	4340	1500	127	521	933	159	163	0.975
## 537	3.58	27	10	40	4321	1415	103	485	773	124	152	0.980
## 538	4.57	28	7	32	4295	1502	138	570	781	134	149	0.978
## 539	4.27	25	5	37	4270	1429	167	547	802	120	184	0.981
## 540	3.20	55	19	31	4343	1278	90	504	854	138	146	0.978
## 541	4.45	42	7	27	4345	1477	165	536	640	146	160	0.977
## 542	3.83	30	6	34	4332	1425	101	555	811	118	123	0.981
## 543	4.13	31	6	33	4333	1590	128	452	721	134	203	0.979
## 544	4.03	61	12	23	4319	1563	162	381	580	127	153	0.980
## 545	3.14	33	18	39	4342	1379	116	450	813	131	123	0.979
## 546	3.83	43	10	37	4297	1446	123	455	731	122	183	0.981
## 547	3.84	16	10	36	4448	1486	120	607	819	140	168	0.978
## 548	4.75	41	4	20	4288	1606	147	654	726	174	137	0.972
## 549	4.16	33	14	29	4324	1455	135	477	787	106	148	0.983
## 550	3.41	24	7	52	4480	1424	125	504	904	134	163	0.979
## 551	3.69	29	7	25	4359	1438	108	513	779	141	154	0.978
## 552	4.58	37	7	26	4314	1567	165	571	736	141	170	0.978
## 553	4.16	25	6	34	4308	1484	143	577	880	163	138	0.974
## 554	3.72	38	10	25	4460	1449	127	501	788	132	166	0.980

##	555	3.86	26	10	42	4311	1371	135	532	773	130	151	0.979
##	556	4.82	44	7	11	4251	1537	165	594	613	159	187	0.975
##	557	3.77	29	9	37	4284	1397	131	454	696	162	156	0.975
##	558	3.64	42	10	41	4380	1438	134	507	789	95	178	0.985
##	559	4.38	30	8	43	4324	1557	129	481	696	149	206	0.977
##	560	4.52	22	6	30	4285	1548	141	529	725	134	144	0.978
##	561	3.92	32	12	42	4306	1434	108	563	724	171	162	0.973
##	562	3.89	13	6	35	4437	1525	109	589	923	174	149	0.974
##	563	3.85	30	12	37	4378	1404	113	506	833	106	144	0.983
##	564	4.68	35	8	32	4284	1519	137	552	843	105	143	0.983
##	565	4.25	40	9	30	4402	1505	152	558	741	133	165	0.979
##	566	3.10	31	18	41	4448	1367	69	466	929	140	145	0.978
##	567	3.83	37	10	42	4378	1496	129	465	614	141	150	0.978
##	568	3.25	24	19	42	4418	1358	105	480	835	123	149	0.981
##	569	3.93	35	9	30	4353	1502	120	468	744	148	192	0.977
##	570	3.71	48	14	30	4350	1530	137	420	575	147	189	0.977
##	571	3.48	33	15	36	4370	1447	100	460	823	144	126	0.977
##	572	3.58	29	15	50	4393	1433	102	463	845	138	160	0.978
##	573	3.85	17	9	33	4354	1473	140	510	886	154	132	0.975
##	574	3.46	94	9	13	4415	1347	142	521	769	130	115	0.979
##	575	3.43	25	8	40	4440	1419	87	530	889	136	136	0.979
##	576	3.58	25	8	43	4375	1422	110	451	832	137	154	0.978
##	577	3.65	19	9	39	4399	1474	97	536	728	132	157	0.980
##	578	4.38	31	7	26	4372	1565	159	540	703	149	189	0.977
##	579	3.46	27	10	35	4345	1446	92	492	811	159	124	0.975
##	580	3.93	34	9	27	4341	1454	90	495	664	122	174	0.981
##	581	4.02	35	6	25	4355	1561	119	519	890	147	169	0.977
##	582	4.19	39	9	23	4398	1523	135	635	705	133	206	0.979
##	583	3.45	11	4	24	2904	936	62	330	471	102	93	0.976
##	584	3.70	25	10	23	2820	923	83	347	489	68	114	0.983
##	585	3.81	19	4	24	2962	983	90	354	536	91	108	0.979
##	586	3.70	27	8	19	2914	958	81	323	426	101	120	0.977
##	587	3.47	20	8	23	2822	891	73	336	529	87	113	0.979
##	588	4.01	6	2	20	2870	983	59	388	532	113	103	0.974
##	589	3.73	25	14	20	2897	863	67	393	593	80	99	0.981
##	590	3.88	33	10	13	2793	989	67	311	569	87	91	0.978
##	591	3.53	33	13	22	2908	840	83	373	476	67	109	0.984
##	592	2.66	23	19	25	2970	842	40	300	610	87	81	0.980
##	593	3.56	24	8	24	2767	909	75	273	404	72	94	0.982
##	594	3.01	26	19	24	2991	904	54	302	603	87	101	0.980
##	595	3.98	13	6	22	2939	1021	79	376	500	96	103	0.978
##	596	3.91	11	4	35	2958	994	72	352	448	79	135	0.982
##	597	3.30	20	12	23	2925	902	58	268	520	81	88	0.980
##	598	2.90	16	13	30	2844	827	64	287	606	72	100	0.982
##	599	3.55	7	3	24	2779	906	74	336	490	130	89	0.968
##	600	3.30	60	11	10	2979	883	80	370	505	81	74	0.980
##	601	4.05	19	5	23	2881	967	72	347	580	86	90	0.980
##	602	3.56	11	5	29	2826	953	60	346	492	86	106	0.979
##	603	3.72	9	6	23	3006	1013	64	414	492	102	117	0.977
##	604	4.23	10	5	23	2992	1039	76	360	478	91	122	0.979
##	605	3.28	8	9	33	3028	970	57	393	561	102	102	0.977
##	606	3.63	11	5	33	2829	902	52	290	388	82	108	0.981
##	607	3.40	23	13	18	2821	851	67	322	488	69	102	0.984
##	608	3.81	20	4	18	2860	908	72	377	451	105	102	0.975

## 609	3.82	15	11	51	4389	1484	126	502	813	137	186	0.979
## 610	3.99	38	8	34	4387	1436	147	488	719	101	140	0.984
## 611	4.03	23	11	33	4359	1557	155	478	816	121	172	0.981
## 612	3.82	40	10	27	4392	1436	124	482	728	108	171	0.983
## 613	3.87	30	10	41	4317	1502	99	460	753	154	173	0.976
## 614	3.92	9	7	43	4342	1510	125	452	764	132	110	0.979
## 615	3.66	22	7	31	4381	1414	105	570	998	128	158	0.980
## 616	4.11	31	9	30	4405	1433	122	589	882	123	129	0.980
## 617	3.80	45	5	27	4353	1371	172	554	740	117	165	0.981
## 618	3.42	37	16	31	4340	1338	87	479	899	136	154	0.978
## 619	4.08	16	12	45	4293	1443	163	471	650	127	140	0.979
## 620	3.26	37	16	28	4465	1356	81	468	932	139	131	0.979
## 621	4.72	26	7	30	4299	1484	208	643	812	108	162	0.982
## 622	3.98	34	6	47	4402	1514	152	511	717	125	185	0.980
## 623	3.31	34	10	43	4382	1371	110	448	936	122	117	0.980
## 624	3.99	24	8	39	4377	1471	113	491	939	128	158	0.979
## 625	3.88	15	5	37	4342	1508	119	582	759	175	134	0.972
## 626	4.54	42	6	22	4368	1506	177	648	697	160	140	0.974
## 627	3.61	38	13	33	4369	1395	86	472	1002	121	138	0.981
## 628	3.81	19	7	39	4400	1434	118	521	933	145	133	0.977
## 629	3.52	20	11	41	4428	1348	139	502	765	152	142	0.976
## 630	3.88	23	11	39	4429	1431	173	547	1002	139	158	0.978
## 631	3.64	18	4	45	4396	1507	109	466	810	173	125	0.973
## 632	3.37	25	10	47	4396	1420	94	502	689	124	169	0.981
## 633	4.28	32	5	24	4293	1554	128	483	690	121	169	0.981
## 634	3.95	41	13	25	4331	1428	147	493	776	136	146	0.978
## 635	3.67	18	4	48	4322	1412	132	540	895	137	176	0.978
## 636	3.63	36	15	38	4357	1451	130	452	774	121	159	0.981
## 637	4.34	29	7	42	4339	1572	158	493	767	130	168	0.979
## 638	4.31	39	7	23	4422	1636	130	496	668	154	190	0.977
## 639	3.67	35	12	48	4336	1355	128	447	877	120	158	0.981
## 640	4.08	9	10	42	4286	1496	117	498	807	115	164	0.982
## 641	3.98	34	5	29	4324	1365	135	627	934	114	121	0.981
## 642	4.43	34	8	25	4325	1531	120	529	794	122	174	0.980
## 643	3.80	42	9	28	4353	1318	170	522	875	125	142	0.980
## 644	3.45	22	14	48	4399	1276	94	570	904	147	165	0.977
## 645	4.25	19	8	49	4313	1535	133	471	593	165	178	0.974
## 646	3.10	27	12	40	4392	1336	97	495	1000	168	132	0.974
## 647	4.66	20	5	39	4312	1559	163	580	748	121	170	0.980
## 648	4.02	35	10	43	4362	1513	133	491	689	113	162	0.982
## 649	3.58	38	15	34	4413	1406	120	479	899	116	130	0.981
## 650	3.86	47	12	32	4370	1449	116	455	892	139	157	0.978
## 651	3.68	18	7	33	4353	1384	97	615	717	151	171	0.976
## 652	4.34	22	12	33	4363	1462	135	626	719	157	157	0.974
## 653	3.34	20	10	41	4385	1429	111	464	1092	152	117	0.976
## 654	3.55	25	14	41	4387	1378	109	563	1061	115	165	0.982
## 655	3.62	23	5	44	4403	1389	144	528	850	129	135	0.979
## 656	4.12	25	9	39	4255	1455	145	544	910	136	159	0.978
## 657	3.70	20	9	47	4337	1431	127	520	881	171	109	0.973
## 658	3.79	22	10	27	4382	1479	115	525	709	152	173	0.976
## 659	3.31	43	11	32	4400	1392	97	471	826	113	151	0.982
## 660	4.12	43	8	32	4336	1434	145	517	835	115	148	0.981
## 661	3.57	17	7	49	4341	1401	122	525	859	139	153	0.978
## 662	3.71	48	13	32	4318	1393	137	512	714	123	166	0.981

## 663	4.18	40	12	32	4326	1524	141	517	927	143	128	0.977
## 664	3.96	36	12	26	4374	1526	143	474	754	128	170	0.980
## 665	4.13	43	9	32	4363	1416	155	483	840	122	160	0.981
## 666	3.75	19	8	50	4302	1458	99	442	879	121	137	0.981
## 667	4.16	25	6	25	4384	1445	128	578	946	139	116	0.977
## 668	4.26	21	7	35	4403	1523	141	545	803	146	163	0.977
## 669	3.49	19	8	51	4392	1358	130	489	914	127	162	0.979
## 670	3.32	24	13	29	4348	1350	91	502	950	133	160	0.979
## 671	3.92	18	9	50	4332	1426	136	433	724	131	157	0.979
## 672	3.17	39	16	27	4382	1381	76	499	1033	163	146	0.975
## 673	3.85	32	9	38	4313	1429	159	463	713	120	134	0.980
## 674	4.06	13	7	41	4299	1532	137	480	785	136	156	0.978
## 675	3.31	19	10	48	4293	1333	114	474	861	132	147	0.978
## 676	3.78	15	12	43	4396	1485	120	518	992	142	177	0.977
## 677	3.60	12	15	50	4328	1371	104	573	1028	129	154	0.979
## 678	4.48	15	6	44	4290	1554	155	592	695	146	159	0.975
## 679	3.62	11	6	35	4375	1416	101	448	904	161	112	0.975
## 680	3.11	27	13	34	4410	1344	102	502	995	128	142	0.980
## 681	3.48	13	17	44	4381	1327	122	563	812	138	144	0.978
## 682	4.31	26	4	35	4326	1497	138	619	972	128	143	0.979
## 683	4.39	9	7	38	4383	1589	125	549	854	173	134	0.973
## 684	3.58	19	12	51	4347	1427	94	494	808	118	184	0.982
## 685	3.91	38	6	21	4316	1443	148	518	863	138	138	0.977
## 686	3.86	34	10	33	4392	1433	140	528	875	123	166	0.980
## 687	4.19	9	9	29	4372	1512	134	642	776	159	197	0.976
## 688	4.38	32	6	33	4282	1480	160	568	793	129	168	0.979
## 689	4.06	35	8	29	4384	1487	130	540	913	145	161	0.977
## 690	3.91	22	8	41	4372	1453	171	514	767	112	202	0.982
## 691	4.07	20	8	39	4355	1411	161	569	1023	111	152	0.982
## 692	4.16	20	8	42	4327	1492	156	519	820	134	150	0.979
## 693	3.71	24	11	45	4354	1347	131	535	910	122	142	0.980
## 694	4.91	24	7	28	4263	1556	170	547	702	141	161	0.977
## 695	3.78	31	11	40	4368	1313	141	556	943	143	152	0.977
## 696	3.66	17	9	42	4374	1393	119	543	909	152	159	0.976
## 697	3.49	27	11	41	4383	1433	103	463	846	127	160	0.980
## 698	2.96	37	21	36	4395	1280	102	462	979	166	131	0.974
## 699	4.48	41	7	34	4279	1468	164	462	767	120	139	0.980
## 700	4.39	34	5	37	4311	1510	175	499	777	142	153	0.977
## 701	3.55	13	13	53	4371	1346	99	509	870	121	152	0.981
## 702	3.69	25	9	49	4321	1373	157	518	907	126	172	0.979
## 703	3.11	32	19	37	4464	1306	111	515	1039	115	138	0.982
## 704	4.41	10	6	41	4359	1451	172	607	785	140	137	0.977
## 705	3.68	24	9	30	4341	1424	115	596	899	139	142	0.978
## 706	3.97	15	6	29	4336	1406	107	584	962	133	127	0.979
## 707	3.40	26	19	44	4354	1399	127	443	727	124	158	0.980
## 708	4.68	23	8	30	4296	1456	154	637	868	122	156	0.980
## 709	3.61	13	5	24	4344	1348	125	572	985	148	134	0.976
## 710	3.10	37	20	44	4392	1343	98	453	798	108	166	0.983
## 711	4.56	18	5	33	4235	1479	173	501	863	120	145	0.980
## 712	3.31	18	9	47	4344	1312	147	484	823	125	164	0.980
## 713	3.97	17	5	39	4274	1443	117	576	932	141	181	0.978
## 714	4.30	17	6	39	4310	1451	177	535	954	135	163	0.978
## 715	3.93	36	6	41	4289	1469	167	474	1033	129	146	0.979
## 716	3.84	29	12	40	4368	1356	153	478	955	107	156	0.983

## 717	3.93	18	8	38	4327	1361	143	561	895	117	142	0.981
## 718	4.49	11	6	42	4335	1546	143	557	962	124	147	0.980
## 719	3.91	14	8	45	4404	1465	136	524	924	140	160	0.978
## 720	4.58	31	7	34	4343	1548	167	605	744	157	148	0.975
## 721	4.02	33	12	38	4331	1374	183	571	880	108	163	0.982
## 722	3.15	18	19	51	4369	1203	116	523	1160	130	108	0.979
## 723	3.82	24	13	31	4322	1413	121	479	888	123	153	0.980
## 724	3.76	35	14	25	4363	1428	115	499	1051	181	118	0.971
## 725	4.77	39	6	24	4298	1579	200	503	937	118	168	0.980
## 726	4.01	29	12	32	4295	1478	158	494	952	146	146	0.976
## 727	3.78	15	9	50	4399	1350	119	566	1051	133	132	0.979
## 728	4.11	13	8	58	4330	1461	175	492	878	127	153	0.979
## 729	3.11	27	11	46	4452	1304	103	509	1083	138	145	0.978
## 730	4.31	22	8	37	4299	1334	166	667	937	135	120	0.978
## 731	3.85	22	11	39	4355	1473	130	553	874	137	157	0.978
## 732	3.90	17	9	30	4352	1397	138	570	924	143	134	0.978
## 733	3.99	13	7	32	4330	1406	150	607	934	137	135	0.978
## 734	4.65	33	5	27	4319	1590	171	585	944	156	191	0.975
## 735	3.33	18	10	35	4381	1264	121	591	992	143	149	0.977
## 736	3.37	17	4	46	4399	1364	135	485	761	123	178	0.981
## 737	4.11	15	8	41	4351	1356	145	736	1059	122	160	0.980
## 738	4.08	16	12	44	4428	1467	164	487	1002	100	150	0.984
## 739	4.63	16	4	32	4283	1529	163	587	837	116	170	0.982
## 740	5.01	17	6	30	4319	1555	226	547	870	111	174	0.982
## 741	4.77	47	13	16	4308	1584	190	517	1034	110	158	0.982
## 742	4.38	20	7	36	4372	1481	212	504	941	117	162	0.981
## 743	4.30	29	12	37	4343	1436	189	537	792	116	174	0.981
## 744	4.55	11	5	48	4304	1524	159	628	1024	130	154	0.979
## 745	4.24	7	6	44	4357	1486	170	485	919	130	137	0.979
## 746	5.28	24	8	25	4268	1566	219	606	849	153	128	0.975
## 747	4.02	33	10	31	4368	1430	180	563	976	122	147	0.980
## 748	3.84	13	13	33	4324	1363	141	525	1137	116	113	0.981
## 749	3.86	44	11	26	4272	1424	128	548	923	131	151	0.979
## 750	3.72	29	8	32	4365	1415	130	565	1097	155	144	0.975
## 751	4.63	16	4	39	4282	1465	210	564	990	98	147	0.984
## 752	4.62	28	6	45	4392	1548	169	529	1039	145	155	0.976
## 753	3.92	16	8	50	4351	1428	145	446	1012	147	122	0.976
## 754	4.36	19	10	47	4339	1475	179	542	900	102	155	0.983
## 755	3.84	16	7	51	4362	1407	135	510	1032	137	137	0.978
## 756	4.32	18	6	40	4337	1442	176	531	1042	142	122	0.977
## 757	4.18	13	7	48	4345	1453	167	587	877	121	137	0.980
## 758	4.20	25	13	39	4335	1377	164	562	914	123	147	0.980
## 759	4.27	14	10	33	4300	1402	175	602	897	147	135	0.976
## 760	4.49	39	10	33	4292	1503	199	497	919	122	150	0.980
## 761	3.68	19	10	38	4413	1407	146	547	1038	129	183	0.980
## 762	3.91	10	7	48	4398	1484	129	533	873	116	172	0.982
## 763	4.63	20	3	27	4333	1388	199	760	1103	151	148	0.976
## 764	3.74	18	8	43	4362	1323	158	567	1064	111	148	0.982
## 765	4.09	14	4	25	4338	1481	108	524	810	151	138	0.976
## 766	4.54	20	7	26	4248	1506	153	523	709	119	172	0.980
## 767	3.97	26	14	37	4279	1415	143	493	1085	93	123	0.984
## 768	4.32	26	9	33	4367	1503	135	568	817	135	175	0.979
## 769	4.12	11	9	43	4317	1467	138	533	754	154	177	0.976
## 770	3.84	30	10	29	4393	1494	115	490	897	125	128	0.980

## 771	3.35	24	13	43	4365	1271	121	504	934	125	131	0.980
## 772	4.16	35	10	46	4302	1501	120	442	812	124	131	0.980
## 773	3.71	34	8	36	4337	1361	150	497	890	109	129	0.982
## 774	3.41	21	15	40	4424	1339	123	478	1049	138	124	0.978
## 775	3.65	29	12	32	4285	1415	102	465	886	124	147	0.980
## 776	2.96	32	24	49	4390	1291	84	473	1029	142	126	0.977
## 777	3.93	18	9	52	4295	1457	146	453	897	84	155	0.986
## 778	3.45	30	8	51	4348	1355	125	437	832	120	146	0.981
## 779	3.08	18	12	43	4448	1310	122	476	923	142	145	0.978
## 780	4.26	16	5	43	4368	1512	157	487	861	134	161	0.978
## 781	2.91	31	22	46	4317	1253	78	404	1100	115	127	0.981
## 782	3.44	22	9	64	4468	1376	116	553	983	105	151	0.983
## 783	4.14	16	6	36	4299	1447	118	628	859	145	139	0.976
## 784	3.47	12	11	46	4322	1349	108	469	790	125	128	0.980
## 785	3.28	30	9	39	4347	1332	112	439	885	120	147	0.981
## 786	4.15	28	11	28	4284	1385	144	558	981	123	168	0.980
## 787	3.39	25	13	42	4387	1323	99	422	875	129	145	0.980
## 788	3.47	17	14	42	4412	1387	91	486	881	121	131	0.981
## 789	4.05	41	11	31	4316	1310	129	654	912	131	145	0.979
## 790	3.80	16	17	47	4347	1404	143	528	904	110	170	0.982
## 791	3.70	15	8	33	4343	1370	114	468	966	152	124	0.976
## 792	4.00	16	7	44	4345	1518	134	486	676	87	163	0.986
## 793	4.01	14	9	42	4381	1448	131	548	1054	127	162	0.980
## 794	3.28	32	20	38	4363	1384	113	465	897	96	173	0.985
## 795	4.23	9	5	46	4266	1472	144	539	778	151	176	0.975
## 796	3.43	18	10	55	4381	1369	106	532	918	124	130	0.980
## 797	3.73	16	9	37	4393	1404	125	559	981	121	108	0.980
## 798	3.65	23	13	38	4359	1423	107	452	844	118	126	0.981
## 799	4.53	24	4	26	4282	1514	150	652	831	130	153	0.979
## 800	3.64	19	12	38	4438	1379	105	551	965	142	121	0.977
## 801	3.55	27	13	38	4355	1415	86	455	978	114	139	0.982
## 802	2.95	25	19	36	4390	1278	95	504	1052	118	153	0.981
## 803	4.28	19	8	38	4288	1495	139	500	851	107	141	0.982
## 804	3.80	16	8	45	4297	1463	129	457	812	155	164	0.975
## 805	3.48	20	13	35	4405	1344	120	519	1059	136	126	0.979
## 806	4.50	15	9	44	4244	1550	150	521	787	122	183	0.980
## 807	3.29	24	12	38	4363	1260	115	532	1108	144	110	0.976
## 808	3.09	17	20	57	4345	1287	103	510	930	129	159	0.979
## 809	4.04	10	10	33	4300	1408	127	613	899	133	136	0.979
## 810	3.64	20	9	40	4463	1394	121	539	827	160	130	0.975
## 811	3.38	21	11	52	4372	1359	133	481	933	154	147	0.976
## 812	4.00	15	10	44	4314	1422	114	560	897	143	168	0.977
## 813	3.30	12	16	47	4371	1320	120	471	802	114	135	0.982
## 814	3.36	18	18	43	4383	1330	84	482	844	112	134	0.982
## 815	3.91	26	7	44	4303	1279	119	654	1112	136	137	0.978
## 816	3.58	12	12	38	4401	1408	99	478	849	127	164	0.980
## 817	4.58	17	8	30	4289	1527	128	579	938	158	133	0.974
## 818	4.04	10	5	43	4306	1445	161	537	776	93	151	0.985
## 819	3.72	15	13	44	4326	1439	92	519	997	123	154	0.980
## 820	3.79	21	13	42	4362	1482	106	544	944	142	186	0.978
## 821	3.61	17	10	68	4348	1313	106	548	914	124	169	0.980
## 822	4.34	13	7	42	4328	1510	121	572	877	124	136	0.980
## 823	3.39	14	12	50	4369	1338	124	543	1029	102	126	0.983
## 824	4.26	12	10	47	4282	1491	163	518	860	117	146	0.981

## 825	4.39	15	12	45	4291	1401	154	661	856	131	178	0.979
## 826	3.61	12	6	37	4350	1396	130	496	854	131	124	0.978
## 827	3.93	18	8	33	4262	1449	116	560	1006	122	161	0.980
## 828	3.72	29	12	29	4326	1364	137	478	1021	130	123	0.979
## 829	4.12	13	13	43	4307	1509	134	489	872	101	161	0.983
## 830	4.08	23	13	42	4335	1558	121	469	771	149	152	0.976
## 831	3.37	18	11	50	4420	1349	127	510	991	110	134	0.982
## 832	4.21	15	6	41	4334	1430	144	618	909	126	164	0.980
## 833	3.43	18	14	41	4320	1339	119	444	1217	132	107	0.978
## 834	3.18	18	16	64	4368	1287	123	494	831	87	152	0.986
## 835	4.07	18	7	35	4347	1381	124	651	840	117	150	0.981
## 836	3.40	18	8	43	4341	1367	135	413	848	134	125	0.979
## 837	3.68	21	12	35	4385	1437	147	507	928	141	141	0.977
## 838	3.69	21	7	41	4330	1319	120	606	1064	130	152	0.979
## 839	4.08	14	6	45	4339	1477	131	553	788	107	148	0.983
## 840	3.87	8	13	39	4330	1432	98	475	833	130	114	0.979
## 841	3.83	25	9	36	4334	1343	113	623	997	133	161	0.979
## 842	3.84	6	9	48	4362	1434	143	445	892	86	144	0.986
## 843	3.49	18	7	48	4358	1304	118	481	969	138	122	0.978
## 844	4.59	8	8	42	4373	1534	147	504	868	91	172	0.985
## 845	4.01	15	13	45	4319	1405	147	530	999	116	165	0.981
## 846	3.69	18	10	50	4325	1351	141	543	990	102	156	0.984
## 847	3.79	28	8	40	4434	1302	154	601	923	116	151	0.982
## 848	4.03	12	4	40	4370	1415	117	542	927	113	120	0.982
## 849	3.83	7	11	43	4320	1372	127	560	997	125	131	0.979
## 850	4.23	22	8	33	4324	1551	110	441	862	149	150	0.976
## 851	4.51	18	8	38	4351	1570	148	593	739	104	171	0.983
## 852	4.00	7	13	36	4359	1347	129	651	1033	161	129	0.974
## 853	3.92	17	12	41	4398	1473	105	529	1004	125	141	0.980
## 854	3.06	15	14	40	4374	1312	96	500	1028	123	126	0.980
## 855	3.69	21	12	53	4348	1402	139	488	876	95	161	0.985
## 856	4.14	23	11	41	4391	1498	147	527	859	118	176	0.981
## 857	3.64	12	14	39	4321	1304	111	584	909	133	128	0.979
## 858	4.42	3	11	37	4332	1510	152	506	936	133	181	0.979
## 859	3.56	12	11	39	4312	1403	108	410	1028	143	112	0.977
## 860	4.57	14	10	49	4333	1425	155	655	892	107	150	0.982
## 861	3.86	16	11	35	4389	1346	111	670	988	119	111	0.981
## 862	3.44	18	11	51	4370	1411	117	401	919	120	134	0.981
## 863	3.57	14	11	47	4358	1385	139	457	921	113	130	0.982
## 864	3.79	10	13	48	4393	1387	136	628	1003	110	187	0.983
## 865	4.03	10	10	45	4326	1397	143	544	905	109	151	0.982
## 866	3.69	9	5	51	4306	1367	114	454	822	107	133	0.982
## 867	4.47	9	10	41	4437	1486	151	662	1022	134	138	0.979
## 868	3.50	10	16	60	4388	1301	121	523	971	127	115	0.980
## 869	3.14	26	24	41	4380	1321	89	489	948	109	121	0.982
## 870	3.79	20	16	48	4392	1419	124	518	846	93	168	0.985
## 871	3.58	22	13	39	4346	1403	107	535	943	139	170	0.978
## 872	3.84	26	13	42	4338	1449	130	532	888	134	172	0.979
## 873	3.82	21	5	52	4385	1400	123	550	810	129	134	0.979
## 874	3.39	16	11	37	4407	1337	107	575	901	114	142	0.982
## 875	3.46	9	11	55	4349	1362	109	470	1060	96	128	0.984
## 876	4.11	13	7	46	4410	1507	159	566	890	141	176	0.978
## 877	4.60	10	4	36	4307	1534	155	564	693	116	164	0.981
## 878	3.72	5	12	45	4378	1386	114	539	978	114	125	0.981

## 879	3.81	9	12	44	4342	1426	106	512	834	122	164	0.980
## 880	3.41	18	13	29	4314	1401	82	553	981	174	136	0.972
## 881	3.70	16	13	50	4359	1391	121	479	923	95	155	0.985
## 882	3.43	19	14	39	4371	1344	127	435	793	89	146	0.986
## 883	3.25	11	14	49	4404	1296	92	525	1014	124	113	0.980
## 884	4.21	20	9	44	4358	1453	129	612	851	114	165	0.982
## 885	3.66	17	13	34	4340	1404	98	482	1025	116	134	0.981
## 886	3.73	8	9	58	4341	1396	129	601	843	125	158	0.979
## 887	4.11	27	7	34	4284	1387	113	549	851	131	128	0.978
## 888	3.35	20	20	43	4439	1410	101	455	844	101	144	0.984
## 889	3.56	9	11	46	4384	1444	111	439	971	115	127	0.982
## 890	4.55	21	9	30	4335	1467	129	661	894	112	170	0.982
## 891	3.61	9	12	30	4383	1385	128	502	927	113	174	0.982
## 892	3.38	10	9	47	4440	1405	118	400	842	94	146	0.985
## 893	4.09	19	3	42	4381	1471	113	598	1034	154	153	0.975
## 894	3.91	18	14	49	4322	1346	124	541	954	93	109	0.985
## 895	3.14	18	16	46	4365	1297	101	480	1036	108	146	0.983
## 896	4.31	21	10	42	4328	1427	153	579	900	100	171	0.984
## 897	3.77	9	11	44	4357	1379	127	552	997	122	155	0.980
## 898	4.34	26	6	41	4291	1482	153	550	843	120	161	0.980
## 899	3.70	16	11	48	4362	1398	125	566	974	112	153	0.982
## 900	4.18	8	5	56	4349	1514	153	470	905	115	162	0.982
## 901	4.51	11	8	37	4302	1510	158	508	996	121	133	0.980
## 902	4.58	7	8	45	4337	1591	182	591	888	148	174	0.976
## 903	5.41	9	0	35	4294	1664	181	609	913	167	149	0.973
## 904	4.65	11	7	36	4310	1547	188	542	828	132	148	0.979
## 905	4.13	4	5	48	4321	1437	135	598	945	125	130	0.980
## 906	3.49	18	14	42	4324	1363	117	476	1056	126	141	0.979
## 907	4.04	16	6	48	4336	1379	105	571	985	97	150	0.984
## 908	3.50	17	9	36	4418	1406	103	567	1043	133	141	0.979
## 909	4.71	5	3	44	4333	1591	148	514	901	100	160	0.984
## 910	4.45	26	6	29	4341	1511	153	522	810	131	148	0.979
## 911	3.55	8	7	61	4370	1369	119	521	934	159	144	0.975
## 912	4.35	11	13	38	4315	1467	170	552	899	105	166	0.983
## 913	4.05	16	8	22	4314	1483	139	434	867	156	143	0.975
## 914	4.90	8	2	42	4357	1551	157	680	864	111	161	0.982
## 915	3.95	24	11	46	4418	1419	129	573	1117	141	123	0.977
## 916	4.77	12	5	34	4337	1557	153	485	832	105	161	0.983
## 917	4.23	8	6	32	4313	1470	148	558	957	160	129	0.974
## 918	4.20	22	10	41	4361	1421	135	605	1083	90	173	0.985
## 919	3.61	4	9	50	4370	1385	168	442	982	101	169	0.984
## 920	4.09	5	7	54	4359	1553	152	383	775	159	157	0.975
## 921	4.28	20	6	45	4315	1476	144	562	957	132	145	0.979
## 922	4.21	11	11	50	4324	1441	134	620	1023	107	144	0.982
## 923	3.57	16	8	26	3079	929	76	378	865	81	85	0.982
## 924	4.31	13	4	37	2993	1005	131	351	666	57	103	0.986
## 925	4.93	6	3	30	3088	1104	120	450	729	81	124	0.981
## 926	5.42	11	4	21	3081	1149	150	436	682	76	110	0.983
## 927	3.96	13	9	20	3034	964	115	377	754	79	91	0.981
## 928	4.47	5	5	27	3071	1054	120	392	717	81	110	0.982
## 929	3.78	6	6	27	3115	1037	117	339	799	73	91	0.983
## 930	4.36	17	5	21	3056	1097	94	404	666	90	119	0.980
## 931	5.15	4	5	28	3093	1185	120	448	703	84	117	0.981
## 932	5.38	15	1	20	3054	1139	148	449	560	82	90	0.981

## 933	4.50	5	7	30	3045	1069	120	428	649	95	111	0.978
## 934	3.97	9	6	29	3089	1043	102	367	739	76	110	0.983
## 935	4.23	5	6	38	3095	1018	95	392	717	80	102	0.982
## 936	4.17	14	5	20	3042	1041	90	354	732	88	104	0.980
## 937	5.68	6	4	29	3015	1197	153	388	602	75	99	0.982
## 938	4.62	11	3	23	3108	1071	127	421	577	85	130	0.981
## 939	3.56	4	8	46	3110	970	100	288	805	94	90	0.979
## 940	4.34	8	2	31	3059	1045	120	398	656	80	122	0.982
## 941	4.13	7	3	35	3069	1069	117	332	640	89	112	0.980
## 942	4.80	12	9	23	3010	979	128	510	732	88	105	0.979
## 943	3.85	7	6	30	3073	1028	98	377	699	94	96	0.978
## 944	4.64	8	2	24	3017	1094	117	370	650	91	131	0.980
## 945	4.08	8	6	27	3137	1008	99	393	862	111	82	0.975
## 946	4.99	13	7	21	2952	1051	109	486	763	95	102	0.977
## 947	3.99	2	4	33	3076	1014	122	372	655	68	113	0.985
## 948	5.14	7	7	29	3054	1154	134	355	632	80	119	0.982
## 949	5.45	10	4	26	3069	1176	157	394	683	106	106	0.976
## 950	4.70	13	4	26	3075	1053	127	482	832	81	105	0.981
## 951	3.44	18	11	34	3875	1184	107	436	1087	100	113	0.982
## 952	4.31	19	10	29	3801	1165	149	523	930	72	141	0.986
## 953	4.39	7	9	39	3878	1338	127	476	888	120	151	0.978
## 954	4.52	8	9	42	3853	1310	163	486	901	95	120	0.982
## 955	4.85	12	4	36	3854	1374	164	617	892	108	131	0.980
## 956	4.13	6	12	45	3903	1313	162	518	926	115	115	0.979
## 957	4.03	8	10	38	3868	1270	131	424	903	79	140	0.986
## 958	3.83	10	10	50	3903	1261	135	445	926	101	142	0.982
## 959	4.97	1	1	43	3865	1443	160	512	891	107	146	0.981
## 960	5.49	5	3	38	3825	1509	170	536	729	106	143	0.981
## 961	4.27	12	7	29	3858	1299	139	562	994	115	143	0.979
## 962	4.06	6	8	32	3961	1357	118	460	1056	121	120	0.979
## 963	4.49	11	10	37	3864	1323	142	503	763	90	168	0.984
## 964	3.66	16	11	37	3885	1188	125	462	1060	130	120	0.976
## 965	5.76	7	2	27	3818	1450	210	533	790	100	141	0.981
## 966	4.82	7	4	31	3858	1391	146	603	699	105	186	0.981
## 967	4.11	7	9	42	3851	1286	128	416	950	109	119	0.980
## 968	4.56	18	5	35	3854	1286	159	535	908	74	121	0.986
## 969	3.88	9	9	36	3873	1296	133	401	901	115	125	0.979
## 970	4.93	8	4	34	3819	1320	153	556	890	102	151	0.981
## 971	4.21	8	8	41	3871	1241	134	538	980	97	139	0.982
## 972	4.70	11	7	29	3826	1407	130	477	871	122	138	0.978
## 973	4.13	6	10	35	3854	1242	142	512	1047	108	130	0.980
## 974	4.50	9	8	39	3868	1343	149	591	1068	104	108	0.980
## 975	4.86	12	5	34	3881	1368	173	505	801	108	142	0.980
## 976	4.09	4	6	38	3797	1290	135	445	842	113	156	0.980
## 977	4.66	14	4	34	3855	1385	152	514	838	98	156	0.982
## 978	4.88	16	8	22	3878	1336	145	654	894	97	131	0.982
## 979	3.52	14	9	46	4407	1372	120	451	1245	130	143	0.980
## 980	5.14	13	1	44	4406	1604	209	597	1047	97	173	0.984
## 981	4.98	17	5	37	4374	1606	185	722	1165	135	152	0.978
## 982	5.30	12	8	38	4317	1546	219	662	1052	128	156	0.979
## 983	4.52	7	4	43	4383	1529	174	616	1039	109	145	0.982
## 984	4.36	10	10	34	4369	1447	184	546	1027	104	147	0.983
## 985	4.32	6	8	52	4329	1447	167	591	1089	121	145	0.980
## 986	4.34	13	9	46	4357	1530	173	484	1033	124	156	0.980

## 987	5.59	5	4	34	4268	1597	198	624	932	149	167	0.976
## 988	6.38	10	4	22	4298	1699	241	784	957	137	157	0.978
## 989	3.95	8	13	41	4329	1386	113	598	1050	111	187	0.982
## 990	4.37	13	4	35	4341	1541	154	539	1163	138	130	0.978
## 991	4.55	17	8	35	4350	1563	176	460	926	111	184	0.982
## 992	3.46	6	9	50	4399	1378	125	534	1212	125	143	0.980
## 993	5.28	13	5	31	4319	1561	233	581	959	94	142	0.984
## 994	5.14	6	4	42	4342	1570	213	635	846	134	180	0.978
## 995	3.78	11	7	43	4324	1353	152	482	1206	126	121	0.980
## 996	4.65	6	9	52	4320	1469	143	610	1139	91	146	0.985
## 997	4.22	10	10	41	4320	1517	159	532	999	159	163	0.974
## 998	5.20	7	5	34	4369	1638	205	644	884	103	195	0.984
## 999	4.48	12	6	42	4270	1463	160	510	1044	116	145	0.981
## 1000	4.61	5	7	37	4360	1602	183	479	1044	128	144	0.980
## 1001	3.72	5	11	47	4467	1395	138	506	1194	118	136	0.981
## 1002	5.21	4	4	34	4295	1562	216	605	1000	110	155	0.982
## 1003	4.71	9	8	35	4327	1520	194	570	997	136	165	0.978
## 1004	3.97	13	11	43	4357	1380	173	539	1050	125	139	0.980
## 1005	4.65	19	6	43	4348	1569	168	582	976	87	150	0.986
## 1006	4.57	19	7	35	4337	1476	187	610	1033	110	187	0.982
## 1007	4.52	9	5	39	4364	1506	202	605	1050	123	140	0.980
## 1008	3.18	21	17	37	4397	1319	111	450	1196	114	136	0.982
## 1009	3.91	8	10	59	4383	1404	164	563	1139	97	148	0.984
## 1010	4.85	7	4	40	4355	1569	149	611	987	135	179	0.978
## 1011	4.73	6	7	52	4267	1505	175	575	961	127	131	0.978
## 1012	4.44	6	4	37	4287	1451	185	590	1072	112	117	0.981
## 1013	4.41	5	8	49	4347	1408	173	558	1159	106	129	0.982
## 1014	4.73	4	3	39	4277	1528	181	575	1036	106	159	0.983
## 1015	5.25	9	5	38	4298	1697	196	566	870	111	202	0.983
## 1016	4.56	13	8	42	4337	1476	178	552	982	92	146	0.985
## 1017	3.83	12	10	39	4340	1353	131	639	1188	116	167	0.981
## 1018	3.66	16	12	37	4377	1379	134	511	1138	131	169	0.979
## 1019	4.70	11	5	29	4329	1530	186	531	961	91	168	0.985
## 1020	3.62	6	6	45	4378	1325	163	546	1232	116	104	0.981
## 1021	5.00	10	4	30	4302	1596	187	495	908	101	170	0.983
## 1022	4.22	6	8	44	4282	1419	177	542	1016	121	171	0.980
## 1023	4.14	27	14	37	4341	1365	149	557	1138	132	150	0.979
## 1024	3.84	11	10	51	4403	1463	144	532	1165	104	156	0.983
## 1025	3.95	7	8	49	4378	1452	160	504	982	120	165	0.981
## 1026	5.48	2	1	38	4336	1734	197	642	953	122	170	0.980
## 1027	4.85	13	7	35	4261	1441	171	616	1209	108	134	0.982
## 1028	4.28	6	8	41	4308	1503	143	560	1080	131	149	0.979
## 1029	4.98	5	2	43	4350	1581	172	596	1059	132	132	0.979
## 1030	4.78	9	8	38	4343	1500	192	598	1207	126	143	0.979
## 1031	4.39	5	9	45	4338	1494	160	578	1044	125	157	0.980
## 1032	3.88	5	3	39	4367	1422	124	536	1130	123	156	0.980
## 1033	4.69	8	9	33	4289	1598	169	541	925	121	155	0.980
## 1034	3.92	19	16	34	4328	1453	167	497	1150	94	150	0.984
## 1035	4.49	3	5	52	4332	1481	164	630	1091	106	146	0.983
## 1036	4.63	7	6	37	4297	1463	188	489	908	100	125	0.984
## 1037	3.25	24	23	45	4316	1291	117	467	1232	91	139	0.985
## 1038	4.74	16	10	37	4294	1505	169	535	1065	81	144	0.987
## 1039	4.18	5	8	53	4308	1406	168	504	1025	105	128	0.983
## 1040	5.22	8	4	42	4316	1569	211	580	911	140	161	0.977

##	1041	4.47	7	7	56	4432	1528	180	575	1207	101	107	0.984
##	1042	4.44	6	8	42	4324	1400	170	573	1098	122	142	0.980
##	1043	4.44	9	4	47	4380	1552	171	563	1037	110	146	0.982
##	1044	4.99	9	5	36	4298	1583	174	562	951	102	193	0.984
##	1045	4.93	9	4	32	4339	1551	185	595	947	115	164	0.982
##	1046	5.18	11	3	24	4349	1617	182	715	1016	129	177	0.979
##	1047	3.50	12	11	44	4414	1435	147	465	1187	108	144	0.983
##	1048	5.15	6	5	46	4309	1590	196	568	999	125	172	0.980
##	1049	3.81	16	10	47	4342	1332	135	587	1178	134	154	0.978
##	1050	4.63	2	2	39	4353	1538	188	550	1063	110	192	0.982
##	1051	4.75	7	8	42	4343	1622	180	457	952	108	135	0.982
##	1052	4.38	4	5	39	4281	1448	156	533	1017	155	127	0.975
##	1053	3.82	22	16	48	4370	1357	156	466	1080	98	146	0.984
##	1054	3.76	9	16	46	4374	1381	152	532	1129	101	151	0.984
##	1055	4.81	12	4	39	4302	1555	179	529	922	141	155	0.977
##	1056	4.64	21	10	32	4389	1476	188	544	1176	110	131	0.982
##	1057	3.91	7	10	41	4347	1433	147	530	1112	140	161	0.977
##	1058	3.63	14	11	59	4364	1384	139	501	1217	104	155	0.983
##	1059	4.93	17	7	31	4273	1530	196	528	1156	125	139	0.979
##	1060	4.18	6	6	44	4431	1457	171	562	1089	101	157	0.984
##	1061	4.31	6	10	44	4409	1513	151	558	972	142	160	0.978
##	1062	4.35	7	7	28	4329	1425	171	643	1008	94	178	0.985
##	1063	4.99	10	8	46	4294	1624	164	519	994	121	140	0.980
##	1064	4.28	10	11	47	4395	1443	169	587	1154	125	131	0.979
##	1065	4.79	4	7	37	4294	1472	177	624	877	106	156	0.983
##	1066	3.77	16	9	42	4402	1387	176	543	1198	104	132	0.983
##	1067	3.63	9	9	45	4413	1398	142	507	1197	111	127	0.982
##	1068	4.77	17	11	33	4305	1468	198	647	982	89	191	0.986
##	1069	4.00	6	12	50	4310	1396	160	469	1131	127	132	0.979
##	1070	4.92	6	3	39	4315	1608	210	596	968	136	149	0.977
##	1071	5.27	11	6	32	4292	1619	221	529	980	139	135	0.977
##	1072	3.98	6	11	55	4386	1309	190	636	1081	105	139	0.983
##	1073	4.89	3	6	46	4351	1503	197	634	1120	106	154	0.983
##	1074	6.01	12	2	33	4287	1700	237	737	1032	118	189	0.981
##	1075	5.17	4	6	33	4263	1528	209	583	976	106	156	0.982
##	1076	4.90	6	5	33	4307	1560	171	655	943	127	150	0.979
##	1077	3.83	12	8	48	4376	1485	128	478	1204	106	175	0.983
##	1078	5.35	11	3	29	4262	1607	202	643	831	125	188	0.980
##	1079	4.45	8	6	37	4359	1438	192	594	1077	137	137	0.978
##	1080	5.07	2	5	40	4328	1618	213	616	987	127	146	0.979
##	1081	5.00	13	8	34	4270	1591	208	487	927	92	150	0.985
##	1082	4.69	6	4	44	4303	1505	152	572	1043	160	125	0.974
##	1083	4.13	6	10	50	4319	1402	158	581	1111	111	132	0.982
##	1084	4.27	5	7	49	4370	1372	167	617	1172	68	147	0.989
##	1085	4.69	6	5	48	4315	1537	160	569	967	122	166	0.980
##	1086	4.92	11	6	32	4315	1494	212	627	1030	100	144	0.983
##	1087	4.33	8	3	34	4300	1444	160	633	1083	147	179	0.976
##	1088	4.47	5	6	43	4261	1454	193	529	1078	129	151	0.979
##	1089	5.24	7	6	40	4301	1613	191	684	980	113	182	0.981
##	1090	4.71	6	3	42	4369	1486	194	655	1076	105	155	0.983
##	1091	4.74	5	3	38	4336	1519	161	667	1025	132	163	0.978
##	1092	5.06	6	5	45	4299	1606	172	695	1055	135	198	0.978
##	1093	5.07	6	9	47	4309	1626	186	509	979	119	169	0.981
##	1094	4.92	14	9	39	4317	1582	191	575	1009	106	165	0.983

##	1095	5.00	5	3	46	4344	1534	228	662	846	134	182	0.978
##	1096	4.35	16	8	38	4331	1441	190	500	1220	107	138	0.982
##	1097	4.05	13	9	53	4321	1428	165	484	1093	129	138	0.979
##	1098	5.37	14	6	33	4300	1547	202	665	1017	116	151	0.981
##	1099	4.23	7	12	46	4358	1433	173	498	1121	109	120	0.982
##	1100	4.66	5	7	43	4351	1509	195	614	1037	133	190	0.978
##	1101	5.25	10	5	39	4364	1505	231	658	1143	100	139	0.983
##	1102	4.33	8	7	42	4369	1446	190	659	1015	111	156	0.982
##	1103	4.84	6	5	34	4327	1511	173	666	1213	72	147	0.988
##	1104	5.26	7	2	33	4290	1568	221	588	1001	94	176	0.985
##	1105	4.71	6	6	44	4330	1583	177	496	978	105	171	0.983
##	1106	4.59	5	4	48	4289	1477	169	650	1051	125	144	0.980
##	1107	5.42	8	2	30	4313	1596	234	598	1064	133	149	0.978
##	1108	5.48	10	6	29	4318	1585	239	693	927	102	185	0.983
##	1109	4.10	9	11	36	4335	1379	176	600	1154	135	151	0.978
##	1110	4.63	2	7	29	4399	1501	174	728	967	118	187	0.981
##	1111	5.14	6	4	35	4298	1634	212	516	1042	102	155	0.983
##	1112	5.13	4	7	39	4274	1575	181	579	1011	132	151	0.978
##	1113	4.76	9	6	40	4273	1458	177	577	1040	109	132	0.981
##	1114	4.16	8	10	49	4350	1398	164	574	1164	118	121	0.980
##	1115	4.58	7	11	43	4306	1535	158	615	963	134	164	0.978
##	1116	4.77	8	6	34	4316	1458	201	640	1123	100	136	0.983
##	1117	4.94	5	7	27	4347	1554	163	711	1070	132	169	0.979
##	1118	4.52	5	5	46	4378	1443	191	649	1071	141	155	0.977
##	1119	4.49	4	10	44	4325	1442	167	634	998	99	176	0.984
##	1120	4.21	9	15	47	4333	1452	151	623	1076	93	173	0.985
##	1121	4.38	10	7	37	4301	1403	196	606	1100	111	148	0.981
##	1122	4.86	10	8	38	4294	1553	198	533	955	118	169	0.981
##	1123	5.52	3	4	39	4287	1683	202	661	918	135	162	0.978
##	1124	5.14	15	4	37	4312	1615	195	560	978	100	176	0.984
##	1125	4.20	6	1	43	4313	1452	168	525	947	103	142	0.983
##	1126	3.87	12	13	34	4379	1352	195	461	1297	84	148	0.986
##	1127	3.59	5	13	41	4342	1363	153	499	1133	103	133	0.983
##	1128	4.67	10	6	31	4297	1504	194	528	938	125	137	0.979
##	1129	4.15	3	9	48	4344	1412	146	544	1259	113	129	0.981
##	1130	4.55	8	9	51	4300	1465	181	500	921	118	149	0.981
##	1131	4.03	8	6	41	4311	1357	164	550	1344	109	113	0.982
##	1132	4.77	2	2	35	4328	1572	198	515	943	138	136	0.978
##	1133	4.64	3	4	42	4340	1512	148	573	1218	107	137	0.982
##	1134	5.29	8	8	26	4290	1522	239	598	1058	96	167	0.984
##	1135	5.01	16	2	34	4288	1624	180	553	859	131	164	0.979
##	1136	4.32	5	11	32	4314	1397	151	617	1119	103	174	0.983
##	1137	4.37	7	6	48	4364	1453	221	486	1228	110	138	0.982
##	1138	4.87	5	1	30	4320	1537	209	576	911	117	204	0.981
##	1139	4.25	3	5	46	4352	1387	184	524	1212	116	138	0.981
##	1140	4.64	3	8	28	4309	1452	197	667	1057	103	156	0.983
##	1141	4.51	12	8	45	4324	1494	192	445	965	108	118	0.982
##	1142	4.68	5	11	28	4294	1509	190	525	1103	108	139	0.982
##	1143	4.02	7	9	57	4354	1429	158	465	1266	109	132	0.982
##	1144	4.07	6	14	48	4337	1418	186	438	1191	101	132	0.983
##	1145	3.59	13	9	44	4390	1384	153	440	1117	125	151	0.980
##	1146	4.15	8	7	47	4336	1417	170	527	1086	91	145	0.985
##	1147	5.05	8	9	36	4249	1493	167	549	908	133	168	0.978
##	1148	4.52	5	6	46	4322	1519	219	476	1088	145	127	0.976

##	1149	3.54	8	14	56	4395	1293	160	465	1051	83	137	0.986
##	1150	4.18	3	8	47	4390	1437	145	579	1080	118	170	0.981
##	1151	3.93	8	11	38	4306	1389	196	526	1083	110	156	0.982
##	1152	4.94	1	6	30	4271	1513	207	569	1030	139	144	0.977
##	1153	5.71	4	3	37	4315	1670	222	596	951	114	167	0.981
##	1154	4.28	7	10	41	4388	1553	165	490	1041	97	184	0.985
##	1155	3.69	7	14	54	4357	1345	169	509	999	87	151	0.986
##	1156	3.92	14	10	40	4340	1361	170	421	1303	89	116	0.985
##	1157	3.13	3	15	57	4402	1302	123	554	1058	114	170	0.982
##	1158	4.46	8	3	31	4352	1491	208	549	967	91	173	0.985
##	1159	3.75	5	17	51	4338	1339	146	430	1157	104	140	0.983
##	1160	4.53	7	7	35	4269	1422	190	528	945	97	157	0.984
##	1161	4.29	11	9	23	4324	1373	167	606	1333	114	144	0.981
##	1162	4.27	2	8	42	4361	1502	173	550	980	120	169	0.981
##	1163	4.91	9	4	34	4274	1508	142	603	1058	113	161	0.981
##	1164	5.20	1	8	43	4280	1554	225	582	920	112	158	0.982
##	1165	4.92	11	7	33	4242	1593	163	463	794	142	148	0.977
##	1166	4.36	11	12	36	4369	1449	151	631	1104	106	163	0.983
##	1167	4.00	2	11	43	4335	1423	151	546	1219	83	149	0.986
##	1168	5.21	12	6	30	4323	1587	212	572	909	130	153	0.979
##	1169	3.69	4	15	56	4373	1311	165	555	1132	90	134	0.985
##	1170	4.73	7	4	32	4297	1468	199	666	1026	103	154	0.983
##	1171	4.12	8	9	47	4334	1454	184	439	1026	74	124	0.987
##	1172	3.97	9	3	39	4359	1475	165	508	1088	139	160	0.978
##	1173	3.87	9	11	53	4356	1441	144	403	1135	127	117	0.979
##	1174	3.89	9	10	36	4328	1408	163	543	1107	144	138	0.976
##	1175	3.68	9	19	48	4356	1391	135	474	1021	102	144	0.984
##	1176	4.17	5	9	47	4349	1381	153	570	1075	88	156	0.986
##	1177	4.23	2	7	47	4238	1447	163	572	920	115	177	0.982
##	1178	4.62	5	10	40	4309	1522	177	582	1108	128	162	0.979
##	1179	4.07	8	12	43	4336	1422	178	441	1063	88	134	0.985
##	1180	3.54	10	13	43	4312	1349	116	523	992	90	166	0.985
##	1181	3.70	4	9	42	4339	1355	141	547	1009	103	168	0.983
##	1182	5.29	12	3	25	4321	1567	215	620	925	126	168	0.979
##	1183	5.15	4	4	33	4319	1528	194	669	1030	99	152	0.984
##	1184	4.80	6	6	41	4315	1504	177	590	991	107	159	0.982
##	1185	4.28	5	9	39	4294	1444	190	486	980	105	138	0.982
##	1186	3.84	7	11	42	4365	1379	150	526	1291	107	132	0.983
##	1187	4.10	4	7	51	4369	1425	147	555	992	121	166	0.981
##	1188	4.76	9	3	41	4349	1579	198	526	981	105	164	0.983
##	1189	4.48	5	6	36	4394	1503	153	488	1141	113	130	0.982
##	1190	4.17	12	4	36	4293	1364	162	518	1056	93	154	0.984
##	1191	3.83	13	14	36	4369	1304	143	617	1404	106	157	0.983
##	1192	5.09	4	5	38	4339	1578	209	590	932	141	152	0.977
##	1193	4.21	5	7	34	4378	1477	179	501	943	126	178	0.980
##	1194	5.20	3	4	34	4260	1629	200	552	866	116	165	0.981
##	1195	5.30	3	5	27	4316	1616	195	557	764	138	194	0.978
##	1196	4.04	7	11	36	4336	1415	128	530	1132	78	162	0.987
##	1197	3.86	1	5	50	4350	1350	161	565	1139	95	149	0.985
##	1198	5.05	7	10	36	4316	1569	190	566	865	108	143	0.982
##	1199	3.16	3	17	58	4373	1254	127	526	1289	119	164	0.981
##	1200	5.02	5	3	44	4356	1590	219	575	1034	114	142	0.981
##	1201	4.41	7	8	45	4386	1526	187	402	997	87	114	0.985
##	1202	4.01	15	10	42	4313	1467	181	463	1028	102	152	0.983

##	1203	4.02	8	12	49	4386	1512	145	375	1119	114	126	0.981
##	1204	4.48	3	10	38	4240	1497	168	576	907	118	158	0.980
##	1205	3.63	16	14	48	4325	1336	140	499	1018	107	145	0.983
##	1206	4.04	9	13	33	4331	1386	142	536	1060	97	146	0.984
##	1207	4.64	7	10	44	4333	1527	178	502	926	123	159	0.980
##	1208	4.87	2	10	31	4294	1458	208	611	1091	102	141	0.983
##	1209	3.76	8	15	38	4323	1340	173	466	1001	65	159	0.989
##	1210	3.73	7	10	43	4312	1349	136	546	1006	80	163	0.987
##	1211	4.60	9	10	41	4391	1544	210	508	969	77	138	0.987
##	1212	4.93	7	7	30	4310	1454	196	639	877	103	158	0.983
##	1213	5.67	4	3	43	4300	1625	208	603	1009	94	168	0.985
##	1214	4.69	14	6	35	4305	1560	184	485	984	117	161	0.981
##	1215	4.28	2	11	50	4363	1476	170	502	1164	90	126	0.985
##	1216	4.98	5	6	33	4308	1480	197	668	1153	139	144	0.977
##	1217	3.74	4	13	48	4350	1475	154	523	1025	116	171	0.981
##	1218	4.70	8	10	27	4366	1488	159	687	1090	110	161	0.982
##	1219	4.18	4	12	36	4354	1430	159	447	1132	118	129	0.981
##	1220	4.91	8	8	34	4297	1505	224	527	1013	100	167	0.984
##	1221	3.81	3	6	42	4396	1363	169	545	1346	86	126	0.986
##	1222	5.19	5	8	47	4331	1595	236	572	992	113	123	0.981
##	1223	4.81	8	8	32	4400	1553	201	579	1115	106	152	0.983
##	1224	5.54	3	2	36	4306	1634	198	697	947	89	161	0.986
##	1225	4.93	7	9	35	4319	1542	190	530	995	144	160	0.977
##	1226	4.10	6	14	53	4317	1395	166	513	1116	86	153	0.986
##	1227	4.05	2	13	47	4329	1416	174	525	1282	101	136	0.983
##	1228	5.15	6	3	25	4261	1638	208	518	887	131	169	0.978
##	1229	4.01	2	6	51	4360	1386	178	521	1066	73	145	0.988
##	1230	4.24	6	10	42	4326	1440	164	476	1098	117	132	0.981
##	1231	4.03	4	9	48	4428	1523	167	431	1123	101	158	0.984
##	1232	4.33	11	11	31	4341	1477	191	582	1032	99	172	0.984
##	1233	4.69	1	5	59	4331	1532	182	445	1058	99	148	0.984
##	1234	4.09	2	6	31	4347	1452	156	592	977	137	144	0.978
##	1235	4.17	10	8	35	4414	1466	164	544	1034	91	172	0.986
##	1236	4.45	4	5	43	4388	1488	214	502	1070	81	142	0.987
##	1237	4.29	3	8	46	4284	1451	149	576	1079	103	189	0.983
##	1238	4.03	3	8	44	4323	1460	184	422	1079	108	146	0.982
##	1239	4.76	7	7	28	4378	1498	212	575	1036	103	140	0.983
##	1240	4.29	8	8	46	4371	1481	161	548	1020	101	153	0.984
##	1241	3.75	4	12	57	4361	1378	169	440	1041	97	154	0.985
##	1242	4.81	3	5	35	4251	1459	192	580	923	119	139	0.980
##	1243	4.53	5	9	52	4319	1536	182	547	979	117	152	0.981
##	1244	4.91	6	11	37	4263	1505	181	608	956	91	150	0.985
##	1245	4.84	6	10	45	4369	1580	193	537	1038	94	159	0.985
##	1246	3.98	8	12	38	4331	1487	145	520	929	86	170	0.986
##	1247	4.56	2	9	38	4283	1458	180	580	1052	107	154	0.982
##	1248	4.74	6	8	38	4287	1550	164	440	959	109	135	0.982
##	1249	3.61	9	10	54	4427	1392	167	459	1040	94	166	0.985
##	1250	4.19	8	10	39	4320	1357	186	576	1256	101	136	0.983
##	1251	5.15	2	1	31	4299	1657	219	492	955	104	133	0.983
##	1252	3.61	6	10	51	4358	1363	157	413	1050	106	156	0.983
##	1253	5.13	4	4	37	4256	1600	175	604	981	118	158	0.981
##	1254	4.51	7	2	37	4307	1504	193	461	907	110	171	0.982
##	1255	4.16	14	15	42	4327	1459	116	563	1125	103	177	0.983
##	1256	3.51	6	11	45	4329	1336	155	440	1164	89	146	0.985

##	1257	5.49	4	4	25	4240	1640	178	580	924	125	163	0.979
##	1258	3.68	7	11	54	4393	1419	158	443	1126	87	139	0.986
##	1259	4.38	6	9	40	4282	1434	182	471	1004	106	141	0.983
##	1260	3.97	7	6	46	4314	1382	169	569	1173	119	139	0.980
##	1261	3.71	9	8	44	4393	1458	169	348	965	102	171	0.984
##	1262	4.52	8	14	46	4292	1495	164	463	985	95	151	0.984
##	1263	3.76	8	11	38	4307	1390	135	491	1012	106	146	0.983
##	1264	3.69	9	12	38	4351	1315	154	504	1075	88	166	0.986
##	1265	4.21	4	6	40	4305	1379	189	487	1159	90	132	0.985
##	1266	4.42	4	14	35	4308	1456	162	612	958	117	193	0.981
##	1267	4.13	4	8	45	4366	1452	146	503	1133	109	136	0.982
##	1268	4.49	6	7	39	4283	1483	179	496	892	86	144	0.986
##	1269	4.33	4	8	46	4333	1456	151	592	972	90	146	0.985
##	1270	3.49	15	14	48	4337	1399	153	443	974	100	196	0.984
##	1271	5.39	1	4	43	4265	1570	194	615	949	124	139	0.979
##	1272	4.96	2	6	46	4320	1589	159	522	932	108	149	0.982
##	1273	4.06	9	8	35	4341	1475	185	444	958	95	154	0.985
##	1274	3.87	4	9	51	4374	1456	140	539	997	92	156	0.985
##	1275	4.48	8	9	34	4379	1503	168	536	1115	104	172	0.983
##	1276	4.60	6	6	38	4324	1529	183	572	1049	99	146	0.984
##	1277	5.35	5	9	35	4257	1579	216	613	1016	102	156	0.983
##	1278	4.83	3	6	46	4324	1570	181	509	1070	66	174	0.989
##	1279	4.61	5	11	46	4347	1534	200	433	1012	90	145	0.985
##	1280	4.74	2	7	29	4317	1396	210	687	1250	106	122	0.982
##	1281	4.51	9	10	36	4337	1576	213	464	1053	128	139	0.979
##	1282	4.41	13	13	24	4270	1583	166	429	948	118	165	0.981
##	1283	4.66	5	8	34	4342	1549	155	553	952	91	190	0.985
##	1284	3.84	3	16	46	4344	1420	160	489	1003	106	162	0.983
##	1285	4.37	6	6	41	4300	1465	166	622	1088	126	166	0.979
##	1286	4.08	5	12	42	4406	1425	182	480	1160	80	164	0.987
##	1287	5.65	3	5	35	4279	1648	213	637	904	98	189	0.984
##	1288	4.04	5	12	50	4358	1410	158	471	1164	124	154	0.979
##	1289	4.23	1	10	40	4381	1524	152	492	1068	115	174	0.982
##	1290	4.82	7	8	43	4277	1454	177	514	1145	117	126	0.980
##	1291	3.95	1	6	40	4318	1490	182	356	1164	84	135	0.986
##	1292	4.41	5	8	43	4331	1463	170	496	1019	104	145	0.983
##	1293	4.14	5	12	43	4384	1402	180	527	1161	104	131	0.983
##	1294	4.21	5	11	54	4355	1525	162	529	1003	84	173	0.986
##	1295	4.60	4	6	42	4381	1561	211	512	1138	104	153	0.983
##	1296	4.52	2	10	39	4305	1545	156	620	1060	104	168	0.983
##	1297	3.87	4	11	50	4391	1385	176	468	1097	92	138	0.985
##	1298	4.60	6	6	47	4340	1500	183	560	1067	88	150	0.985
##	1299	4.63	7	9	37	4289	1422	153	584	992	91	132	0.985
##	1300	4.54	6	9	38	4289	1475	193	504	970	98	170	0.984
##	1301	4.96	3	7	33	4261	1600	180	606	979	116	156	0.981
##	1302	4.60	3	8	42	4294	1558	162	496	972	98	174	0.984
##	1303	4.37	6	6	42	4285	1447	185	504	1076	99	157	0.984
##	1304	5.03	1	3	32	4309	1535	193	584	960	131	123	0.978
##	1305	4.13	7	12	51	4323	1446	169	546	1088	106	157	0.983
##	1306	4.11	1	6	36	4369	1442	172	537	1106	107	141	0.983
##	1307	5.17	4	9	30	4316	1491	161	696	1087	79	155	0.987
##	1308	3.87	5	13	45	4316	1350	151	482	1149	81	145	0.986
##	1309	4.77	9	9	42	4322	1556	174	499	1015	108	168	0.982
##	1310	4.04	2	10	39	4340	1340	165	573	1211	94	134	0.984

##	1311	4.94	6	7	34	4349	1605	198	482	1068	95	155	0.984
##	1312	4.05	9	9	49	4388	1519	146	410	1047	92	167	0.985
##	1313	4.32	4	7	39	4416	1497	164	504	967	68	180	0.989
##	1314	4.57	1	9	44	4342	1498	174	566	1047	99	148	0.984
##	1315	4.94	0	4	40	4331	1617	176	661	1142	137	159	0.977
##	1316	4.68	2	6	38	4394	1566	206	510	1109	103	128	0.983
##	1317	4.48	2	6	36	4312	1547	168	520	993	106	160	0.982
##	1318	4.23	5	9	43	4305	1480	151	477	1156	101	154	0.983
##	1319	4.20	4	6	43	4350	1443	146	518	1184	114	160	0.981
##	1320	4.41	3	6	49	4333	1513	161	507	1174	109	144	0.982
##	1321	4.15	5	8	38	4310	1505	185	420	1094	95	151	0.984
##	1322	4.49	1	5	34	4352	1498	150	578	1009	88	174	0.985
##	1323	4.26	2	10	39	4357	1415	165	570	1134	101	124	0.983
##	1324	4.28	4	9	36	4344	1468	138	530	1036	90	153	0.985
##	1325	4.73	5	5	42	4375	1555	198	558	1050	89	162	0.986
##	1326	4.93	4	5	32	4343	1627	174	518	997	83	190	0.986
##	1327	3.70	1	20	45	4454	1406	119	474	1136	92	147	0.985
##	1328	4.73	6	12	43	4303	1578	147	546	1020	90	167	0.985
##	1329	4.19	5	10	37	4361	1442	133	593	1057	88	148	0.986
##	1330	4.65	2	8	34	4307	1514	168	509	945	121	155	0.980
##	1331	5.53	2	2	28	4289	1649	199	568	1194	117	155	0.980
##	1332	4.75	0	6	42	4290	1525	155	668	976	124	179	0.980
##	1333	4.00	11	9	44	4346	1383	157	479	1067	102	160	0.984
##	1334	4.58	0	6	46	4340	1502	187	580	931	109	153	0.982
##	1335	3.98	6	9	39	4304	1403	147	451	1229	113	137	0.981
##	1336	4.46	2	7	26	4322	1439	156	586	1076	107	149	0.983
##	1337	5.13	4	4	35	4266	1538	184	687	922	100	163	0.983
##	1338	4.01	5	16	47	4339	1369	147	548	1185	85	149	0.986
##	1339	4.06	4	10	34	4373	1471	156	460	1147	108	155	0.983
##	1340	3.87	2	8	44	4352	1329	160	548	1264	99	118	0.983
##	1341	4.55	2	6	34	4327	1542	201	557	1227	114	156	0.981
##	1342	4.45	10	13	31	4311	1530	170	444	986	94	182	0.985
##	1343	4.77	3	8	36	4338	1547	148	562	1041	96	176	0.985
##	1344	4.90	1	2	34	4335	1541	172	644	991	113	172	0.981
##	1345	4.43	2	8	36	4306	1421	161	586	1127	117	122	0.980
##	1346	4.36	4	13	48	4276	1453	197	492	1095	67	142	0.989
##	1347	4.48	2	8	44	4337	1473	159	515	1085	96	159	0.984
##	1348	3.99	7	10	66	4354	1455	160	457	1106	91	159	0.985
##	1349	3.68	5	11	35	4342	1381	123	480	1205	101	138	0.984
##	1350	3.85	12	10	45	4367	1415	175	528	1110	101	160	0.984
##	1351	4.16	5	10	42	4377	1568	183	406	995	108	168	0.982
##	1352	4.28	1	11	42	4325	1478	143	489	1141	83	141	0.986
##	1353	4.07	5	12	43	4393	1415	163	590	1181	83	126	0.986
##	1354	4.01	4	7	33	4305	1364	135	576	1061	98	169	0.984
##	1355	3.88	4	11	47	4349	1444	160	533	1081	90	142	0.985
##	1356	5.08	3	7	34	4365	1631	176	657	963	107	179	0.983
##	1357	4.41	3	6	30	4375	1466	165	561	1100	85	149	0.986
##	1358	4.73	4	4	36	4306	1544	161	626	1016	99	160	0.984
##	1359	4.38	4	12	41	4326	1416	147	652	1240	96	129	0.983
##	1360	4.19	2	7	42	4362	1517	163	496	957	85	156	0.986
##	1361	3.82	7	12	52	4373	1349	166	526	1143	90	153	0.985
##	1362	5.37	6	8	36	4326	1647	176	625	963	132	191	0.978
##	1363	3.49	15	13	44	4340	1330	134	467	1184	84	137	0.986
##	1364	4.66	2	8	28	4302	1496	190	588	1063	123	143	0.980

##	1365	4.42	4	12	36	4343	1470	168	525	1158	124	133	0.980
##	1366	3.57	3	10	38	4388	1399	119	530	1232	96	159	0.985
##	1367	5.15	2	3	31	4287	1633	218	546	933	90	151	0.985
##	1368	4.35	8	11	41	4310	1494	167	530	1230	82	121	0.986
##	1369	4.14	4	11	36	4319	1438	169	507	1119	113	158	0.981
##	1370	3.84	3	8	40	4336	1329	160	586	1272	105	144	0.983
##	1371	4.18	6	12	41	4375	1420	188	577	1069	89	161	0.985
##	1372	5.06	5	6	25	4302	1570	183	598	986	97	170	0.984
##	1373	4.22	5	7	45	4315	1427	141	528	1154	87	146	0.986
##	1374	4.29	4	9	42	4341	1449	182	594	1102	88	164	0.985
##	1375	4.29	5	5	45	4339	1425	160	601	1248	106	129	0.982
##	1376	4.54	5	10	39	4290	1521	176	546	1144	78	161	0.987
##	1377	4.83	10	9	34	4278	1486	166	600	1153	117	159	0.980
##	1378	4.45	9	13	51	4335	1513	180	523	1062	85	174	0.986
##	1379	3.41	1	9	44	4420	1265	127	584	1272	83	134	0.986
##	1380	4.83	1	8	44	4305	1498	207	607	1104	98	149	0.984
##	1381	4.50	4	7	48	4359	1542	185	466	1052	76	135	0.987
##	1382	4.26	3	8	51	4350	1386	181	574	1260	86	131	0.985
##	1383	4.45	3	12	39	4278	1452	158	616	1031	97	134	0.984
##	1384	4.26	2	10	38	4342	1486	156	523	1124	105	155	0.983
##	1385	4.16	8	9	44	4367	1479	189	489	1153	76	132	0.987
##	1386	4.59	5	7	28	4255	1491	152	563	919	73	171	0.988
##	1387	4.37	2	9	45	4352	1422	167	603	1187	94	146	0.984
##	1388	3.87	4	10	49	4358	1359	172	534	1043	105	150	0.982
##	1389	3.55	11	18	41	4338	1268	140	584	1302	88	138	0.985
##	1390	3.66	8	11	43	4322	1407	123	460	1049	96	167	0.985
##	1391	4.33	3	5	41	4282	1421	183	515	1125	98	135	0.983
##	1392	4.38	8	11	45	4304	1432	171	531	1016	106	168	0.982
##	1393	4.47	10	10	25	4353	1509	181	551	1181	76	168	0.988
##	1394	5.00	6	3	33	4273	1533	173	629	911	143	155	0.977
##	1395	4.81	3	3	35	4296	1503	210	548	1070	102	152	0.983
##	1396	3.56	2	9	41	4318	1326	126	505	1241	126	166	0.980
##	1397	4.59	3	7	35	4309	1508	186	520	1007	105	141	0.982
##	1398	4.20	3	9	44	4370	1402	152	580	1207	111	132	0.982
##	1399	4.09	6	11	43	4339	1471	136	490	1149	103	158	0.983
##	1400	4.18	1	14	40	4310	1409	154	605	1268	126	137	0.979
##	1401	4.01	4	9	43	4359	1404	158	524	1130	72	142	0.988
##	1402	4.30	10	4	34	4299	1477	147	572	967	110	179	0.982
##	1403	4.14	6	12	35	4326	1405	139	525	1234	101	182	0.984
##	1404	4.30	6	5	32	4333	1445	142	537	1056	109	171	0.982
##	1405	4.08	5	17	39	4315	1433	134	549	1168	123	130	0.979
##	1406	4.09	4	11	45	4318	1446	140	548	1210	103	135	0.983
##	1407	4.97	7	3	44	4310	1553	176	551	1035	121	138	0.980
##	1408	4.04	10	9	39	4348	1422	148	565	1130	113	116	0.981
##	1409	4.01	4	16	41	4325	1323	134	539	1274	98	124	0.984
##	1410	4.58	3	7	35	4317	1487	173	582	1258	101	142	0.983
##	1411	3.95	9	13	40	4358	1493	155	383	1048	78	150	0.987
##	1412	4.06	3	8	39	4327	1349	179	540	1154	69	161	0.988
##	1413	3.70	8	19	36	4359	1438	135	545	1106	87	159	0.986
##	1414	3.56	7	17	38	4295	1315	153	512	1070	99	147	0.984
##	1415	3.67	14	21	40	4369	1402	168	416	1183	83	158	0.986
##	1416	5.00	1	6	31	4235	1567	167	538	1026	127	120	0.979
##	1417	3.39	2	20	49	4369	1305	139	517	1295	72	141	0.988
##	1418	3.93	11	10	38	4314	1402	157	452	973	110	145	0.982

##	1419	3.36	6	17	57	4383	1279	134	578	1331	73	110	0.988
##	1420	3.57	7	16	32	4361	1412	133	477	1094	99	172	0.984
##	1421	3.78	6	12	51	4361	1347	175	478	1189	85	134	0.986
##	1422	3.93	7	8	46	4366	1355	162	551	1181	105	133	0.982
##	1423	4.22	5	11	45	4322	1407	150	539	1184	92	172	0.985
##	1424	4.13	2	5	37	4305	1469	151	512	1068	127	148	0.979
##	1425	3.80	5	12	58	4330	1414	159	442	1058	90	131	0.985
##	1426	3.48	3	16	52	4439	1332	125	521	1332	83	131	0.987
##	1427	4.89	3	7	32	4340	1568	210	535	1044	110	159	0.982
##	1428	4.20	2	13	36	4372	1366	156	540	1213	92	120	0.985
##	1429	4.10	6	14	42	4380	1463	147	439	1220	79	129	0.987
##	1430	4.33	4	5	40	4303	1439	162	580	1224	134	128	0.978
##	1431	4.16	4	5	39	4403	1414	185	539	1112	91	146	0.985
##	1432	4.23	2	4	38	4360	1482	153	463	1024	110	130	0.982
##	1433	4.43	5	7	41	4343	1471	176	522	1118	98	156	0.984
##	1434	4.04	4	14	52	4320	1406	149	492	1115	103	148	0.983
##	1435	3.95	7	11	40	4379	1403	149	500	1218	93	126	0.985
##	1436	4.51	2	6	25	4305	1477	188	560	1191	116	140	0.981
##	1437	4.44	2	6	37	4354	1487	163	557	1080	95	149	0.985
##	1438	3.57	12	11	39	4395	1388	142	476	1058	93	157	0.985
##	1439	3.54	7	17	40	4296	1287	132	507	1265	85	121	0.986
##	1440	3.63	1	13	47	4325	1348	147	440	1257	111	130	0.982
##	1441	4.58	7	8	32	4265	1564	161	480	940	119	153	0.980
##	1442	3.73	5	8	47	4375	1423	152	507	1222	102	141	0.983
##	1443	4.19	6	9	43	4344	1482	147	514	1126	116	126	0.981
##	1444	3.71	6	12	39	4343	1380	136	519	1160	124	145	0.979
##	1445	3.02	18	21	47	4431	1320	120	404	1299	74	135	0.988
##	1446	4.04	5	11	43	4348	1513	152	535	1031	112	154	0.982
##	1447	3.42	0	10	44	4348	1324	125	521	1139	94	139	0.985
##	1448	3.90	12	10	39	4299	1369	145	436	1088	108	152	0.982
##	1449	3.20	3	12	52	4404	1260	96	559	1316	104	127	0.983
##	1450	3.74	7	9	47	4386	1461	136	448	1098	116	167	0.982
##	1451	3.58	15	13	32	4347	1263	161	504	1143	73	138	0.988
##	1452	3.79	10	19	38	4324	1327	170	461	1179	114	164	0.981
##	1453	4.32	7	10	33	4376	1433	179	540	1169	110	148	0.982
##	1454	3.58	3	10	49	4348	1403	129	477	1049	104	145	0.983
##	1455	3.93	4	9	39	4301	1432	155	417	1200	90	146	0.985
##	1456	3.42	5	16	47	4336	1310	145	464	1232	86	147	0.986
##	1457	3.90	1	10	55	4449	1433	184	481	1177	106	151	0.983
##	1458	4.70	6	4	35	4329	1449	190	529	1176	101	159	0.983
##	1459	4.02	6	11	37	4337	1365	186	503	1246	70	154	0.988
##	1460	4.51	1	9	28	4241	1399	175	573	1128	105	148	0.982
##	1461	3.34	9	12	56	4359	1356	152	427	1248	89	113	0.985
##	1462	4.78	2	6	43	4326	1503	174	543	1086	96	157	0.984
##	1463	5.22	0	7	36	4266	1637	198	566	1144	122	139	0.980
##	1464	3.75	9	8	40	4292	1409	151	438	1318	99	127	0.983
##	1465	4.56	3	11	31	4270	1493	173	540	1170	118	132	0.981
##	1466	4.30	2	12	44	4354	1504	163	542	1177	113	171	0.981
##	1467	4.02	6	16	38	4300	1339	186	483	1157	98	141	0.984
##	1468	3.34	2	10	40	4349	1277	122	539	1276	98	138	0.984
##	1469	4.09	5	7	38	4322	1448	133	495	1113	103	154	0.983
##	1470	4.22	0	9	44	4361	1458	169	525	1402	99	133	0.983
##	1471	4.77	3	6	35	4316	1536	198	465	943	107	188	0.983
##	1472	3.84	6	9	51	4336	1401	190	431	1318	75	135	0.987

##	1473	4.09	7	13	36	4302	1368	161	488	1240	101	135	0.983
##	1474	3.48	1	13	47	4410	1360	147	462	1136	111	135	0.982
##	1475	3.83	5	11	42	4354	1387	178	409	1385	101	118	0.983
##	1476	3.86	2	10	45	4300	1357	153	490	1192	112	126	0.982
##	1477	4.01	4	11	43	4304	1356	162	539	1205	121	97	0.980
##	1478	3.76	8	11	43	4370	1359	166	449	1166	72	155	0.988
##	1479	3.68	5	14	53	4353	1361	142	489	1237	115	134	0.981
##	1480	3.71	4	10	42	4388	1420	134	436	1218	107	149	0.983
##	1481	3.19	7	15	50	4379	1233	139	469	1383	114	155	0.981
##	1482	3.99	7	10	43	4326	1378	175	446	1286	85	136	0.986
##	1483	4.64	5	11	29	4331	1439	204	574	1142	101	167	0.984
##	1484	3.33	3	9	51	4405	1296	129	497	1325	94	134	0.985
##	1485	3.92	6	7	38	4485	1460	176	485	1218	75	135	0.988
##	1486	3.18	1	12	53	4351	1326	127	409	1232	85	141	0.986
##	1487	4.20	2	6	57	4359	1438	202	473	1169	54	165	0.991
##	1488	3.79	5	8	33	4362	1366	156	524	1294	80	142	0.987
##	1489	3.98	5	5	40	4365	1424	182	509	1249	121	155	0.980
##	1490	4.00	3	6	39	4344	1332	160	540	1184	100	129	0.983
##	1491	3.38	5	17	43	4421	1294	170	435	1296	76	131	0.988
##	1492	3.82	3	16	38	4324	1359	147	554	1379	98	135	0.983
##	1493	4.44	1	5	35	4308	1545	136	517	1064	90	162	0.986
##	1494	3.61	3	12	39	4388	1369	128	462	1428	76	136	0.987
##	1495	4.79	2	5	32	4320	1530	191	616	1084	125	168	0.979
##	1496	3.45	5	12	52	4345	1366	155	469	1208	85	136	0.986
##	1497	4.23	4	12	41	4373	1475	167	533	1200	112	135	0.981
##	1498	3.25	7	22	46	4351	1321	127	460	1292	109	160	0.982
##	1499	3.71	2	13	36	4380	1376	121	526	1177	88	144	0.986
##	1500	3.84	4	15	40	4328	1401	175	466	1125	114	153	0.981
##	1501	4.55	1	7	40	4351	1591	168	458	985	81	178	0.987
##	1502	3.94	7	10	49	4342	1452	171	437	1233	69	139	0.988
##	1503	3.77	4	10	40	4430	1442	152	458	1209	93	127	0.985
##	1504	3.56	6	13	46	4356	1339	163	428	1183	97	112	0.983
##	1505	4.32	6	3	32	4309	1465	152	506	1199	97	141	0.984
##	1506	3.26	3	16	55	4412	1299	101	515	1261	106	154	0.984
##	1507	3.98	3	6	40	4365	1407	156	525	1171	83	140	0.986
##	1508	4.31	4	14	43	4395	1467	174	478	1297	88	149	0.986
##	1509	4.00	2	13	41	4342	1380	145	521	1256	107	128	0.982
##	1510	3.42	7	15	44	4379	1366	112	451	1254	75	177	0.988
##	1511	3.74	9	17	42	4392	1315	153	482	1310	59	147	0.990
##	1512	3.62	4	10	46	4390	1370	157	498	1309	86	146	0.986
##	1513	4.25	4	11	39	4356	1451	195	500	1208	111	145	0.982
##	1514	3.59	6	13	47	4337	1367	142	405	1236	107	146	0.982
##	1515	4.26	2	4	35	4333	1467	154	469	1278	101	147	0.983
##	1516	3.38	5	13	54	4365	1369	121	472	1301	85	143	0.986
##	1517	3.43	3	13	53	4384	1342	151	472	1174	87	156	0.986
##	1518	4.01	3	7	36	4397	1458	154	482	1213	92	155	0.985
##	1519	4.29	3	6	36	4323	1468	140	557	1152	107	170	0.982
##	1520	3.91	1	11	37	4390	1398	115	504	1311	103	137	0.983
##	1521	3.59	5	13	44	4338	1282	163	507	1290	72	120	0.988
##	1522	3.56	6	15	40	4405	1398	135	464	1450	116	139	0.981
##	1523	4.84	1	4	24	4293	1528	173	531	1074	106	166	0.983
##	1524	4.01	5	8	41	4362	1475	127	462	1244	101	153	0.983
##	1525	4.11	7	3	31	4316	1437	139	484	1137	106	151	0.983
##	1526	3.51	3	14	53	4352	1386	128	440	1168	104	122	0.983

##	1527	3.58	3	13	46	4448	1307	126	504	1342	83	127	0.986
##	1528	3.40	7	16	47	4394	1338	142	429	1373	107	145	0.983
##	1529	3.78	3	16	42	4373	1481	114	458	1190	97	154	0.984
##	1530	3.67	3	9	45	4373	1386	167	431	1246	99	130	0.984
##	1531	4.57	2	7	38	4305	1588	147	408	1031	97	136	0.984
##	1532	3.75	5	10	48	4359	1392	164	398	1370	92	107	0.984
##	1533	3.49	1	11	42	4391	1370	141	509	1303	104	158	0.983
##	1534	3.22	7	13	31	4390	1269	147	406	1244	111	150	0.982
##	1535	3.79	2	12	40	4405	1396	134	521	1255	83	133	0.987
##	1536	3.47	2	7	48	4369	1341	128	499	1228	109	148	0.983
##	1537	3.27	4	10	41	4316	1300	117	462	1284	101	124	0.983
##	1538	3.17	2	9	51	4356	1240	137	463	1317	82	139	0.986
##	1539	3.50	8	12	46	4347	1305	133	389	1211	100	155	0.984
##	1540	3.50	8	23	55	4346	1321	123	470	1221	88	145	0.985
##	1541	3.56	3	22	37	4391	1292	145	482	1437	88	96	0.985
##	1542	4.49	6	17	33	4279	1510	160	505	1110	106	155	0.982
##	1543	4.00	3	16	45	4329	1400	151	490	1199	87	130	0.985
##	1544	3.03	5	19	45	4412	1351	110	352	1288	100	139	0.984
##	1545	4.04	1	12	44	4400	1450	182	500	1215	86	146	0.986
##	1546	4.41	3	10	44	4276	1462	170	550	1148	90	186	0.985
##	1547	4.05	0	10	43	4304	1406	174	483	1233	77	134	0.987
##	1548	4.31	3	10	40	4345	1486	178	478	1218	97	148	0.984
##	1549	3.98	7	9	37	4358	1443	162	474	1359	101	159	0.983
##	1550	3.36	6	21	48	4384	1276	134	407	1431	111	120	0.982
##	1551	4.33	2	8	35	4360	1436	177	544	1252	90	131	0.985
##	1552	3.67	11	10	38	4298	1274	161	425	1407	79	136	0.987
##	1553	5.04	4	4	36	4279	1579	183	579	1112	95	171	0.985
##	1554	4.64	7	12	35	4341	1491	193	489	1100	86	165	0.986
##	1555	3.57	5	13	39	4323	1308	148	423	1280	85	131	0.986
##	1556	3.73	2	8	56	4356	1372	155	489	1160	88	138	0.985
##	1557	3.94	2	12	46	4322	1355	166	466	1221	93	108	0.984
##	1558	3.44	6	21	47	4337	1317	145	395	1396	75	133	0.988
##	1559	4.02	0	12	35	4281	1374	141	508	1152	77	162	0.987
##	1560	4.28	1	7	40	4305	1432	176	517	1260	116	164	0.981
##	1561	4.07	2	12	45	4329	1506	163	413	1046	86	150	0.986
##	1562	4.03	3	4	48	4373	1416	182	474	1370	93	135	0.985
##	1563	3.43	1	14	50	4388	1341	152	383	1337	88	131	0.986
##	1564	4.14	5	15	28	4334	1402	172	474	1179	126	154	0.979
##	1565	4.69	1	7	35	4309	1592	191	488	1153	117	145	0.981
##	1566	3.21	0	13	54	4469	1392	110	453	1338	122	177	0.981
##	1567	4.09	1	6	41	4321	1371	171	516	1393	92	138	0.985
##	1568	4.16	6	12	45	4389	1430	181	491	1283	94	155	0.985
##	1569	3.72	7	18	41	4333	1344	155	431	1165	78	145	0.987
##	1570	2.94	1	15	62	4394	1359	123	477	1329	96	159	0.984
##	1571	3.74	1	12	60	4360	1314	175	477	1355	95	118	0.984
##	1572	4.24	5	9	45	4328	1459	171	508	1095	119	169	0.981
##	1573	3.80	7	10	34	4323	1353	173	397	1117	88	145	0.985
##	1574	3.62	4	13	41	4304	1366	145	364	1342	90	125	0.985
##	1575	5.09	2	7	31	4354	1563	202	603	1318	101	143	0.983
##	1576	4.51	1	9	39	4343	1414	177	547	1227	101	134	0.983
##	1577	4.22	1	9	54	4296	1408	183	545	1248	80	165	0.987
##	1578	4.00	9	5	43	4319	1342	176	490	1362	75	139	0.987
##	1579	4.10	7	10	43	4340	1422	185	521	1270	95	148	0.984
##	1580	3.15	5	15	38	4379	1125	163	495	1441	101	116	0.983


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## 1581 4.91 2 8 28 4326 1457 258 636 1241 102 142 0.983
## 1582 3.84 5 11 37 4335 1330 186 461 1398 89 126 0.985
## 1583 4.91 2 9 37 4288 1532 181 547 1223 110 148 0.982
## 1584 4.24 3 8 47 4284 1417 182 462 1232 75 148 0.987
## 1585 4.06 2 8 44 4404 1441 181 453 1396 77 135 0.987
## 1586 4.21 3 7 41 4320 1433 206 517 1287 94 134 0.984
## 1587 4.28 4 12 29 4264 1480 208 498 1136 97 148 0.983
## 1588 3.70 3 15 47 4359 1266 165 464 1510 80 101 0.986
## 1589 4.05 0 12 55 4305 1358 152 595 1379 86 137 0.985
## 1590 4.08 0 7 46 4303 1450 178 532 1175 136 145 0.978
## 1591 5.08 4 3 26 4329 1617 221 479 1191 126 172 0.979
## 1592 4.16 0 10 48 4285 1358 214 444 1393 86 116 0.985
## 1593 3.57 1 13 55 4341 1397 152 439 1396 90 138 0.985
## 1594 4.51 2 7 42 4300 1459 185 464 1188 97 152 0.984
## 1595 4.63 4 12 43 4311 1468 213 466 1299 97 142 0.984
## 1596 4.21 5 5 51 4352 1490 180 533 1232 111 172 0.982
## 1597 4.43 1 9 35 4320 1425 183 569 1222 109 165 0.982
## 1598 4.00 2 8 49 4371 1410 213 460 1318 89 158 0.985
## 1599 3.65 10 11 43 4381 1334 158 439 1309 72 136 0.988
## 1600 4.08 2 10 38 4345 1432 159 475 1290 107 169 0.983
## 1601 4.20 1 8 42 4279 1395 210 491 1357 94 129 0.984
## 1602 4.37 1 6 56 4329 1441 201 534 1154 97 190 0.984
## 1603 3.78 0 10 43 4378 1340 183 461 1314 88 144 0.986
## 1604 3.51 1 12 46 4379 1272 155 468 1476 73 142 0.988

```

```

##                                     name                                     park
## 1                               Boston Red Sox                       Fenway Park II
## 2                               Brooklyn Dodgers                     Ebbets Field
## 3                               Chicago White Sox                   Comiskey Park
## 4                               Chicago Cubs                       Wrigley Field
## 5                               Cincinnati Reds                   Crosley Field
## 6                               Cleveland Indians                 Cleveland Stadium
## 7                               Detroit Tigers                   Briggs Stadium
## 8                               Milwaukee Braves                 County Stadium
## 9                               New York Giants                   Polo Grounds IV
## 10                              New York Yankees                 Yankee Stadium I
## 11                             Philadelphia Athletics             Connie Mack Stadium
## 12                             Philadelphia Phillies             Connie Mack Stadium
## 13                             Pittsburgh Pirates                 Forbes Field
## 14                             St. Louis Browns                 Sportsman's Park IV
## 15                             St. Louis Cardinals               Sportsman's Park IV
## 16                             Washington Senators               Griffith Stadium I
## 17                             Baltimore Orioles                 Memorial Stadium
## 18                             Boston Red Sox                       Fenway Park II
## 19                             Brooklyn Dodgers                     Ebbets Field
## 20                             Chicago White Sox                   Comiskey Park
## 21                             Chicago Cubs                       Wrigley Field
## 22                             Cincinnati Redlegs                 Crosley Field
## 23                             Cleveland Indians                 Cleveland Stadium
## 24                             Detroit Tigers                   Briggs Stadium
## 25                             Milwaukee Braves                 County Stadium
## 26                             New York Giants                   Polo Grounds IV
## 27                             New York Yankees                 Yankee Stadium I
## 28                             Philadelphia Athletics             Connie Mack Stadium
## 29                             Philadelphia Phillies             Connie Mack Stadium

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## 30	Pittsburgh Pirates	Forbes Field
## 31	St. Louis Cardinals	Sportsman's Park IV
## 32	Washington Senators	Griffith Stadium I
## 33	Baltimore Orioles	Memorial Stadium
## 34	Boston Red Sox	Fenway Park II
## 35	Brooklyn Dodgers	Ebbets Field
## 36	Chicago White Sox	Comiskey Park
## 37	Chicago Cubs	Wrigley Field
## 38	Cincinnati Redlegs	Crosley Field
## 39	Cleveland Indians	Cleveland Stadium
## 40	Detroit Tigers	Briggs Stadium
## 41	Kansas City Athletics	Municipal Stadium I
## 42	Milwaukee Braves	County Stadium
## 43	New York Giants	Polo Grounds IV
## 44	New York Yankees	Yankee Stadium I
## 45	Philadelphia Phillies	Connie Mack Stadium
## 46	Pittsburgh Pirates	Forbes Field
## 47	St. Louis Cardinals	Sportsman's Park IV
## 48	Washington Senators	Griffith Stadium I
## 49	Baltimore Orioles	Memorial Stadium
## 50	Boston Red Sox	Fenway Park II
## 51	Brooklyn Dodgers	Ebbets Field
## 52	Chicago White Sox	Comiskey Park
## 53	Chicago Cubs	Wrigley Field
## 54	Cincinnati Redlegs	Crosley Field
## 55	Cleveland Indians	Cleveland Stadium
## 56	Detroit Tigers	Briggs Stadium
## 57	Kansas City Athletics	Municipal Stadium I
## 58	Milwaukee Braves	County Stadium
## 59	New York Giants	Polo Grounds IV
## 60	New York Yankees	Yankee Stadium I
## 61	Philadelphia Phillies	Connie Mack Stadium
## 62	Pittsburgh Pirates	Forbes Field
## 63	St. Louis Cardinals	Sportsman's Park IV
## 64	Washington Senators	Griffith Stadium II
## 65	Baltimore Orioles	Memorial Stadium
## 66	Boston Red Sox	Fenway Park II
## 67	Brooklyn Dodgers	Ebbets Field
## 68	Chicago White Sox	Comiskey Park
## 69	Chicago Cubs	Wrigley Field
## 70	Cincinnati Redlegs	Crosley Field
## 71	Cleveland Indians	Cleveland Stadium
## 72	Detroit Tigers	Briggs Stadium
## 73	Kansas City Athletics	Municipal Stadium I
## 74	Milwaukee Braves	County Stadium
## 75	New York Giants	Polo Grounds IV
## 76	New York Yankees	Yankee Stadium I
## 77	Philadelphia Phillies	Connie Mack Stadium
## 78	Pittsburgh Pirates	Forbes Field
## 79	St. Louis Cardinals	Sportsman's Park IV
## 80	Washington Senators	Griffith Stadium II
## 81	Baltimore Orioles	Memorial Stadium
## 82	Boston Red Sox	Fenway Park II
## 83	Chicago White Sox	Comiskey Park

## 84	Chicago Cubs	Wrigley Field
## 85	Cincinnati Redlegs	Crosley Field
## 86	Cleveland Indians	Cleveland Stadium
## 87	Detroit Tigers	Briggs Stadium
## 88	Kansas City Athletics	Municipal Stadium I
## 89	Los Angeles Dodgers	Los Angeles Memorial Coliseum
## 90	Milwaukee Braves	County Stadium
## 91	New York Yankees	Yankee Stadium I
## 92	Philadelphia Phillies	Connie Mack Stadium
## 93	Pittsburgh Pirates	Forbes Field
## 94	San Francisco Giants	Seals Stadium
## 95	St. Louis Cardinals	Sportsman's Park IV
## 96	Washington Senators	Griffith Stadium II
## 97	Baltimore Orioles	Memorial Stadium
## 98	Boston Red Sox	Fenway Park II
## 99	Chicago White Sox	Comiskey Park
## 100	Chicago Cubs	Wrigley Field
## 101	Cincinnati Redlegs	Crosley Field
## 102	Cleveland Indians	Cleveland Stadium
## 103	Detroit Tigers	Briggs Stadium
## 104	Kansas City Athletics	Municipal Stadium I
## 105	Los Angeles Dodgers	Los Angeles Memorial Coliseum
## 106	Milwaukee Braves	County Stadium
## 107	New York Yankees	Yankee Stadium I
## 108	Philadelphia Phillies	Connie Mack Stadium
## 109	Pittsburgh Pirates	Forbes Field
## 110	San Francisco Giants	Seals Stadium
## 111	St. Louis Cardinals	Sportsman's Park IV
## 112	Washington Senators	Griffith Stadium II
## 113	Baltimore Orioles	Memorial Stadium
## 114	Boston Red Sox	Fenway Park II
## 115	Chicago White Sox	Comiskey Park
## 116	Chicago Cubs	Wrigley Field
## 117	Cincinnati Reds	Crosley Field
## 118	Cleveland Indians	Cleveland Stadium
## 119	Detroit Tigers	Briggs Stadium
## 120	Kansas City Athletics	Municipal Stadium I
## 121	Los Angeles Dodgers	Los Angeles Memorial Coliseum
## 122	Milwaukee Braves	County Stadium
## 123	New York Yankees	Yankee Stadium I
## 124	Philadelphia Phillies	Connie Mack Stadium
## 125	Pittsburgh Pirates	Forbes Field
## 126	San Francisco Giants	Candlestick Park
## 127	St. Louis Cardinals	Sportsman's Park IV
## 128	Washington Senators	Griffith Stadium II
## 129	Baltimore Orioles	Memorial Stadium
## 130	Boston Red Sox	Fenway Park II
## 131	Chicago White Sox	Comiskey Park
## 132	Chicago Cubs	Wrigley Field
## 133	Cincinnati Reds	Crosley Field
## 134	Cleveland Indians	Cleveland Stadium
## 135	Detroit Tigers	Tiger Stadium
## 136	Kansas City Athletics	Municipal Stadium I
## 137	Los Angeles Angels	Wrigley Field (LA)

## 138	Los Angeles Dodgers	Los Angeles Memorial Coliseum
## 139	Minnesota Twins	Metropolitan Stadium
## 140	Milwaukee Braves	County Stadium
## 141	New York Yankees	Yankee Stadium I
## 142	Philadelphia Phillies	Connie Mack Stadium
## 143	Pittsburgh Pirates	Forbes Field
## 144	San Francisco Giants	Candlestick Park
## 145	St. Louis Cardinals	Sportsman's Park IV
## 146	Washington Senators	Griffith Stadium II
## 147	Baltimore Orioles	Memorial Stadium
## 148	Boston Red Sox	Fenway Park II
## 149	Chicago White Sox	Comiskey Park
## 150	Chicago Cubs	Wrigley Field
## 151	Cincinnati Reds	Crosley Field
## 152	Cleveland Indians	Cleveland Stadium
## 153	Detroit Tigers	Tiger Stadium
## 154	Houston Colt .45's	Colt Stadium
## 155	Kansas City Athletics	Municipal Stadium I
## 156	Los Angeles Angels	Dodger Stadium
## 157	Los Angeles Dodgers	Dodger Stadium
## 158	Minnesota Twins	Metropolitan Stadium
## 159	Milwaukee Braves	County Stadium
## 160	New York Yankees	Yankee Stadium I
## 161	New York Mets	Polo Grounds IV
## 162	Philadelphia Phillies	Connie Mack Stadium
## 163	Pittsburgh Pirates	Forbes Field
## 164	San Francisco Giants	Candlestick Park
## 165	St. Louis Cardinals	Sportsman's Park IV
## 166	Washington Senators	R.F.K. Stadium
## 167	Baltimore Orioles	Memorial Stadium
## 168	Boston Red Sox	Fenway Park II
## 169	Chicago White Sox	Comiskey Park
## 170	Chicago Cubs	Wrigley Field
## 171	Cincinnati Reds	Crosley Field
## 172	Cleveland Indians	Cleveland Stadium
## 173	Detroit Tigers	Tiger Stadium
## 174	Houston Colt .45's	Colt Stadium
## 175	Kansas City Athletics	Municipal Stadium I
## 176	Los Angeles Angels	Dodger Stadium
## 177	Los Angeles Dodgers	Dodger Stadium
## 178	Minnesota Twins	Metropolitan Stadium
## 179	Milwaukee Braves	County Stadium
## 180	New York Yankees	Yankee Stadium I
## 181	New York Mets	Polo Grounds IV
## 182	Philadelphia Phillies	Connie Mack Stadium
## 183	Pittsburgh Pirates	Forbes Field
## 184	San Francisco Giants	Candlestick Park
## 185	St. Louis Cardinals	Sportsman's Park IV
## 186	Washington Senators	R.F.K. Stadium
## 187	Baltimore Orioles	Memorial Stadium
## 188	Boston Red Sox	Fenway Park II
## 189	Chicago White Sox	Comiskey Park
## 190	Chicago Cubs	Wrigley Field
## 191	Cincinnati Reds	Crosley Field

## 192	Cleveland Indians	Cleveland Stadium
## 193	Detroit Tigers	Tiger Stadium
## 194	Houston Colt .45's	Colt Stadium
## 195	Kansas City Athletics	Municipal Stadium I
## 196	Los Angeles Angels	Dodger Stadium
## 197	Los Angeles Dodgers	Dodger Stadium
## 198	Minnesota Twins	Metropolitan Stadium
## 199	Milwaukee Braves	County Stadium
## 200	New York Yankees	Yankee Stadium I
## 201	New York Mets	Shea Stadium
## 202	Philadelphia Phillies	Connie Mack Stadium
## 203	Pittsburgh Pirates	Forbes Field
## 204	San Francisco Giants	Candlestick Park
## 205	St. Louis Cardinals	Sportsman's Park IV
## 206	Washington Senators	R.F.K. Stadium
## 207	Baltimore Orioles	Memorial Stadium
## 208	Boston Red Sox	Fenway Park II
## 209	California Angels	Dodger Stadium
## 210	Chicago White Sox	Comiskey Park
## 211	Chicago Cubs	Wrigley Field
## 212	Cincinnati Reds	Crosley Field
## 213	Cleveland Indians	Cleveland Stadium
## 214	Detroit Tigers	Tiger Stadium
## 215	Houston Astros	Astrodome
## 216	Kansas City Athletics	Municipal Stadium I
## 217	Los Angeles Dodgers	Dodger Stadium
## 218	Minnesota Twins	Metropolitan Stadium
## 219	Milwaukee Braves	County Stadium
## 220	New York Yankees	Yankee Stadium I
## 221	New York Mets	Shea Stadium
## 222	Philadelphia Phillies	Connie Mack Stadium
## 223	Pittsburgh Pirates	Forbes Field
## 224	San Francisco Giants	Candlestick Park
## 225	St. Louis Cardinals	Sportsman's Park IV
## 226	Washington Senators	R.F.K. Stadium
## 227	Atlanta Braves	Atlanta-Fulton County Stadium
## 228	Baltimore Orioles	Memorial Stadium
## 229	Boston Red Sox	Fenway Park II
## 230	California Angels	Anaheim Stadium
## 231	Chicago White Sox	Comiskey Park
## 232	Chicago Cubs	Wrigley Field
## 233	Cincinnati Reds	Crosley Field
## 234	Cleveland Indians	Cleveland Stadium
## 235	Detroit Tigers	Tiger Stadium
## 236	Houston Astros	Astrodome
## 237	Kansas City Athletics	Municipal Stadium I
## 238	Los Angeles Dodgers	Dodger Stadium
## 239	Minnesota Twins	Metropolitan Stadium
## 240	New York Yankees	Yankee Stadium I
## 241	New York Mets	Shea Stadium
## 242	Philadelphia Phillies	Connie Mack Stadium
## 243	Pittsburgh Pirates	Forbes Field
## 244	San Francisco Giants	Candlestick Park
## 245	St. Louis Cardinals	Sportsman's Park IV/Busch Stadium II

## 246	Washington Senators	R.F.K. Stadium
## 247	Atlanta Braves	Atlanta-Fulton County Stadium
## 248	Baltimore Orioles	Memorial Stadium
## 249	Boston Red Sox	Fenway Park II
## 250	California Angels	Anaheim Stadium
## 251	Chicago White Sox	Comiskey Park
## 252	Chicago Cubs	Wrigley Field
## 253	Cincinnati Reds	Crosley Field
## 254	Cleveland Indians	Cleveland Stadium
## 255	Detroit Tigers	Tiger Stadium
## 256	Houston Astros	Astrodome
## 257	Kansas City Athletics	Municipal Stadium I
## 258	Los Angeles Dodgers	Dodger Stadium
## 259	Minnesota Twins	Metropolitan Stadium
## 260	New York Yankees	Yankee Stadium I
## 261	New York Mets	Shea Stadium
## 262	Philadelphia Phillies	Connie Mack Stadium
## 263	Pittsburgh Pirates	Forbes Field
## 264	San Francisco Giants	Candlestick Park
## 265	St. Louis Cardinals	Busch Stadium II
## 266	Washington Senators	R.F.K. Stadium
## 267	Atlanta Braves	Atlanta-Fulton County Stadium
## 268	Baltimore Orioles	Memorial Stadium
## 269	Boston Red Sox	Fenway Park II
## 270	California Angels	Anaheim Stadium
## 271	Chicago White Sox	Comiskey Park
## 272	Chicago Cubs	Wrigley Field
## 273	Cincinnati Reds	Crosley Field
## 274	Cleveland Indians	Cleveland Stadium
## 275	Detroit Tigers	Tiger Stadium
## 276	Houston Astros	Astrodome
## 277	Los Angeles Dodgers	Dodger Stadium
## 278	Minnesota Twins	Metropolitan Stadium
## 279	New York Yankees	Yankee Stadium I
## 280	New York Mets	Shea Stadium
## 281	Oakland Athletics	Oakland Coliseum
## 282	Philadelphia Phillies	Connie Mack Stadium
## 283	Pittsburgh Pirates	Forbes Field
## 284	San Francisco Giants	Candlestick Park
## 285	St. Louis Cardinals	Busch Stadium II
## 286	Washington Senators	R.F.K. Stadium
## 287	Atlanta Braves	Atlanta-Fulton County Stadium
## 288	Baltimore Orioles	Memorial Stadium
## 289	Boston Red Sox	Fenway Park II
## 290	California Angels	Anaheim Stadium
## 291	Chicago White Sox	Comiskey Park
## 292	Chicago Cubs	Wrigley Field
## 293	Cincinnati Reds	Crosley Field
## 294	Cleveland Indians	Cleveland Stadium
## 295	Detroit Tigers	Tiger Stadium
## 296	Houston Astros	Astrodome
## 297	Kansas City Royals	Municipal Stadium II
## 298	Los Angeles Dodgers	Dodger Stadium
## 299	Minnesota Twins	Metropolitan Stadium

## 300	Montreal Expos	Jarry Park
## 301	New York Yankees	Yankee Stadium I
## 302	New York Mets	Shea Stadium
## 303	Oakland Athletics	Oakland Coliseum
## 304	Philadelphia Phillies	Connie Mack Stadium
## 305	Pittsburgh Pirates	Forbes Field
## 306	San Diego Padres	Jack Murphy Stadium
## 307	Seattle Pilots	Sicks Stadium
## 308	San Francisco Giants	Candlestick Park
## 309	St. Louis Cardinals	Busch Stadium II
## 310	Washington Senators	R.F.K. Stadium
## 311	Atlanta Braves	Atlanta-Fulton County Stadium
## 312	Baltimore Orioles	Memorial Stadium
## 313	Boston Red Sox	Fenway Park II
## 314	California Angels	Anaheim Stadium
## 315	Chicago White Sox	Comiskey Park
## 316	Chicago Cubs	Wrigley Field
## 317	Cincinnati Reds	Crosley Field/Riverfront Stadium
## 318	Cleveland Indians	Cleveland Stadium
## 319	Detroit Tigers	Tiger Stadium
## 320	Houston Astros	Astrodome
## 321	Kansas City Royals	Municipal Stadium II
## 322	Los Angeles Dodgers	Dodger Stadium
## 323	Minnesota Twins	Metropolitan Stadium
## 324	Milwaukee Brewers	County Stadium
## 325	Montreal Expos	Jarry Park
## 326	New York Yankees	Yankee Stadium I
## 327	New York Mets	Shea Stadium
## 328	Oakland Athletics	Oakland Coliseum
## 329	Philadelphia Phillies	Connie Mack Stadium
## 330	Pittsburgh Pirates	Forbes Field/Three Rivers Stadium
## 331	San Diego Padres	Jack Murphy Stadium
## 332	San Francisco Giants	Candlestick Park
## 333	St. Louis Cardinals	Busch Stadium II
## 334	Washington Senators	R.F.K. Stadium
## 335	Atlanta Braves	Atlanta-Fulton County Stadium
## 336	Baltimore Orioles	Memorial Stadium
## 337	Boston Red Sox	Fenway Park II
## 338	California Angels	Anaheim Stadium
## 339	Chicago White Sox	Comiskey Park
## 340	Chicago Cubs	Wrigley Field
## 341	Cincinnati Reds	Riverfront Stadium
## 342	Cleveland Indians	Cleveland Stadium
## 343	Detroit Tigers	Tiger Stadium
## 344	Houston Astros	Astrodome
## 345	Kansas City Royals	Municipal Stadium II
## 346	Los Angeles Dodgers	Dodger Stadium
## 347	Minnesota Twins	Metropolitan Stadium
## 348	Milwaukee Brewers	County Stadium
## 349	Montreal Expos	Jarry Park
## 350	New York Yankees	Yankee Stadium I
## 351	New York Mets	Shea Stadium
## 352	Oakland Athletics	Oakland Coliseum
## 353	Philadelphia Phillies	Veterans Stadium

## 354	Pittsburgh Pirates	Three Rivers Stadium
## 355	San Diego Padres	Jack Murphy Stadium
## 356	San Francisco Giants	Candlestick Park
## 357	St. Louis Cardinals	Busch Stadium II
## 358	Washington Senators	R.F.K. Stadium
## 359	Atlanta Braves	Atlanta-Fulton County Stadium
## 360	Baltimore Orioles	Memorial Stadium
## 361	Boston Red Sox	Fenway Park II
## 362	California Angels	Anaheim Stadium
## 363	Chicago White Sox	Comiskey Park
## 364	Chicago Cubs	Wrigley Field
## 365	Cincinnati Reds	Riverfront Stadium
## 366	Cleveland Indians	Cleveland Stadium
## 367	Detroit Tigers	Tiger Stadium
## 368	Houston Astros	Astrodome
## 369	Kansas City Royals	Municipal Stadium II
## 370	Los Angeles Dodgers	Dodger Stadium
## 371	Minnesota Twins	Metropolitan Stadium
## 372	Milwaukee Brewers	County Stadium
## 373	Montreal Expos	Jarry Park
## 374	New York Yankees	Yankee Stadium I
## 375	New York Mets	Shea Stadium
## 376	Oakland Athletics	Oakland Coliseum
## 377	Philadelphia Phillies	Veterans Stadium
## 378	Pittsburgh Pirates	Three Rivers Stadium
## 379	San Diego Padres	Jack Murphy Stadium
## 380	San Francisco Giants	Candlestick Park
## 381	St. Louis Cardinals	Busch Stadium II
## 382	Texas Rangers	Arlington Stadium
## 383	Atlanta Braves	Atlanta-Fulton County Stadium
## 384	Baltimore Orioles	Memorial Stadium
## 385	Boston Red Sox	Fenway Park II
## 386	California Angels	Anaheim Stadium
## 387	Chicago White Sox	Comiskey Park
## 388	Chicago Cubs	Wrigley Field
## 389	Cincinnati Reds	Riverfront Stadium
## 390	Cleveland Indians	Cleveland Stadium
## 391	Detroit Tigers	Tiger Stadium
## 392	Houston Astros	Astrodome
## 393	Kansas City Royals	Royals Stadium
## 394	Los Angeles Dodgers	Dodger Stadium
## 395	Minnesota Twins	Metropolitan Stadium
## 396	Milwaukee Brewers	County Stadium
## 397	Montreal Expos	Jarry Park
## 398	New York Yankees	Yankee Stadium I
## 399	New York Mets	Shea Stadium
## 400	Oakland Athletics	Oakland Coliseum
## 401	Philadelphia Phillies	Veterans Stadium
## 402	Pittsburgh Pirates	Three Rivers Stadium
## 403	San Diego Padres	Jack Murphy Stadium
## 404	San Francisco Giants	Candlestick Park
## 405	St. Louis Cardinals	Busch Stadium II
## 406	Texas Rangers	Arlington Stadium
## 407	Atlanta Braves	Atlanta-Fulton County Stadium

## 408	Baltimore Orioles	Memorial Stadium
## 409	Boston Red Sox	Fenway Park II
## 410	California Angels	Anaheim Stadium
## 411	Chicago White Sox	Comiskey Park
## 412	Chicago Cubs	Wrigley Field
## 413	Cincinnati Reds	Riverfront Stadium
## 414	Cleveland Indians	Cleveland Stadium
## 415	Detroit Tigers	Tiger Stadium
## 416	Houston Astros	Astrodome
## 417	Kansas City Royals	Royals Stadium
## 418	Los Angeles Dodgers	Dodger Stadium
## 419	Minnesota Twins	Metropolitan Stadium
## 420	Milwaukee Brewers	County Stadium
## 421	Montreal Expos	Jarry Park
## 422	New York Yankees	Shea Stadium
## 423	New York Mets	Shea Stadium
## 424	Oakland Athletics	Oakland Coliseum
## 425	Philadelphia Phillies	Veterans Stadium
## 426	Pittsburgh Pirates	Three Rivers Stadium
## 427	San Diego Padres	Jack Murphy Stadium
## 428	San Francisco Giants	Candlestick Park
## 429	St. Louis Cardinals	Busch Stadium II
## 430	Texas Rangers	Arlington Stadium
## 431	Atlanta Braves	Atlanta-Fulton County Stadium
## 432	Baltimore Orioles	Memorial Stadium
## 433	Boston Red Sox	Fenway Park II
## 434	California Angels	Anaheim Stadium
## 435	Chicago White Sox	Comiskey Park
## 436	Chicago Cubs	Wrigley Field
## 437	Cincinnati Reds	Riverfront Stadium
## 438	Cleveland Indians	Cleveland Stadium
## 439	Detroit Tigers	Tiger Stadium
## 440	Houston Astros	Astrodome
## 441	Kansas City Royals	Royals Stadium
## 442	Los Angeles Dodgers	Dodger Stadium
## 443	Minnesota Twins	Metropolitan Stadium
## 444	Milwaukee Brewers	County Stadium
## 445	Montreal Expos	Jarry Park
## 446	New York Yankees	Shea Stadium
## 447	New York Mets	Shea Stadium
## 448	Oakland Athletics	Oakland Coliseum
## 449	Philadelphia Phillies	Veterans Stadium
## 450	Pittsburgh Pirates	Three Rivers Stadium
## 451	San Diego Padres	Jack Murphy Stadium
## 452	San Francisco Giants	Candlestick Park
## 453	St. Louis Cardinals	Busch Stadium II
## 454	Texas Rangers	Arlington Stadium
## 455	Atlanta Braves	Atlanta-Fulton County Stadium
## 456	Baltimore Orioles	Memorial Stadium
## 457	Boston Red Sox	Fenway Park II
## 458	California Angels	Anaheim Stadium
## 459	Chicago White Sox	Comiskey Park
## 460	Chicago Cubs	Wrigley Field
## 461	Cincinnati Reds	Riverfront Stadium

## 462	Cleveland Indians	Cleveland Stadium
## 463	Detroit Tigers	Tiger Stadium
## 464	Houston Astros	Astrodome
## 465	Kansas City Royals	Royals Stadium
## 466	Los Angeles Dodgers	Dodger Stadium
## 467	Minnesota Twins	Metropolitan Stadium
## 468	Milwaukee Brewers	County Stadium
## 469	Montreal Expos	Jarry Park
## 470	New York Yankees	Yankee Stadium II
## 471	New York Mets	Shea Stadium
## 472	Oakland Athletics	Oakland Coliseum
## 473	Philadelphia Phillies	Veterans Stadium
## 474	Pittsburgh Pirates	Three Rivers Stadium
## 475	San Diego Padres	Jack Murphy Stadium
## 476	San Francisco Giants	Candlestick Park
## 477	St. Louis Cardinals	Busch Stadium II
## 478	Texas Rangers	Arlington Stadium
## 479	Atlanta Braves	Atlanta-Fulton County Stadium
## 480	Baltimore Orioles	Memorial Stadium
## 481	Boston Red Sox	Fenway Park II
## 482	California Angels	Anaheim Stadium
## 483	Chicago White Sox	Comiskey Park
## 484	Chicago Cubs	Wrigley Field
## 485	Cincinnati Reds	Riverfront Stadium
## 486	Cleveland Indians	Cleveland Stadium
## 487	Detroit Tigers	Tiger Stadium
## 488	Houston Astros	Astrodome
## 489	Kansas City Royals	Royals Stadium
## 490	Los Angeles Dodgers	Dodger Stadium
## 491	Minnesota Twins	Metropolitan Stadium
## 492	Milwaukee Brewers	County Stadium
## 493	Montreal Expos	Stade Olympique
## 494	New York Yankees	Yankee Stadium II
## 495	New York Mets	Shea Stadium
## 496	Oakland Athletics	Oakland Coliseum
## 497	Philadelphia Phillies	Veterans Stadium
## 498	Pittsburgh Pirates	Three Rivers Stadium
## 499	San Diego Padres	Jack Murphy Stadium
## 500	Seattle Mariners	Kingdome
## 501	San Francisco Giants	Candlestick Park
## 502	St. Louis Cardinals	Busch Stadium II
## 503	Texas Rangers	Arlington Stadium
## 504	Toronto Blue Jays	Exhibition Stadium
## 505	Atlanta Braves	Atlanta-Fulton County Stadium
## 506	Baltimore Orioles	Memorial Stadium
## 507	Boston Red Sox	Fenway Park II
## 508	California Angels	Anaheim Stadium
## 509	Chicago White Sox	Comiskey Park
## 510	Chicago Cubs	Wrigley Field
## 511	Cincinnati Reds	Riverfront Stadium
## 512	Cleveland Indians	Cleveland Stadium
## 513	Detroit Tigers	Tiger Stadium
## 514	Houston Astros	Astrodome
## 515	Kansas City Royals	Royals Stadium

## 516	Los Angeles Dodgers	Dodger Stadium
## 517	Minnesota Twins	Metropolitan Stadium
## 518	Milwaukee Brewers	County Stadium
## 519	Montreal Expos	Stade Olympique
## 520	New York Yankees	Yankee Stadium II
## 521	New York Mets	Shea Stadium
## 522	Oakland Athletics	Oakland Coliseum
## 523	Philadelphia Phillies	Veterans Stadium
## 524	Pittsburgh Pirates	Three Rivers Stadium
## 525	San Diego Padres	Jack Murphy Stadium
## 526	Seattle Mariners	Kingdome
## 527	San Francisco Giants	Candlestick Park
## 528	St. Louis Cardinals	Busch Stadium II
## 529	Texas Rangers	Arlington Stadium
## 530	Toronto Blue Jays	Exhibition Stadium
## 531	Atlanta Braves	Atlanta-Fulton County Stadium
## 532	Baltimore Orioles	Memorial Stadium
## 533	Boston Red Sox	Fenway Park II
## 534	California Angels	Anaheim Stadium
## 535	Chicago White Sox	Comiskey Park
## 536	Chicago Cubs	Wrigley Field
## 537	Cincinnati Reds	Riverfront Stadium
## 538	Cleveland Indians	Cleveland Stadium
## 539	Detroit Tigers	Tiger Stadium
## 540	Houston Astros	Astrodome
## 541	Kansas City Royals	Royals Stadium
## 542	Los Angeles Dodgers	Dodger Stadium
## 543	Minnesota Twins	Metropolitan Stadium
## 544	Milwaukee Brewers	County Stadium
## 545	Montreal Expos	Stade Olympique
## 546	New York Yankees	Yankee Stadium II
## 547	New York Mets	Shea Stadium
## 548	Oakland Athletics	Oakland Coliseum
## 549	Philadelphia Phillies	Veterans Stadium
## 550	Pittsburgh Pirates	Three Rivers Stadium
## 551	San Diego Padres	Jack Murphy Stadium
## 552	Seattle Mariners	Kingdome
## 553	San Francisco Giants	Candlestick Park
## 554	St. Louis Cardinals	Busch Stadium II
## 555	Texas Rangers	Arlington Stadium
## 556	Toronto Blue Jays	Exhibition Stadium
## 557	Atlanta Braves	Atlanta-Fulton County Stadium
## 558	Baltimore Orioles	Memorial Stadium
## 559	Boston Red Sox	Fenway Park II
## 560	California Angels	Anaheim Stadium
## 561	Chicago White Sox	Comiskey Park
## 562	Chicago Cubs	Wrigley Field
## 563	Cincinnati Reds	Riverfront Stadium
## 564	Cleveland Indians	Cleveland Stadium
## 565	Detroit Tigers	Tiger Stadium
## 566	Houston Astros	Astrodome
## 567	Kansas City Royals	Royals Stadium
## 568	Los Angeles Dodgers	Dodger Stadium
## 569	Minnesota Twins	Metropolitan Stadium

## 570	Milwaukee Brewers	County Stadium
## 571	Montreal Expos	Stade Olympique
## 572	New York Yankees	Yankee Stadium II
## 573	New York Mets	Shea Stadium
## 574	Oakland Athletics	Oakland Coliseum
## 575	Philadelphia Phillies	Veterans Stadium
## 576	Pittsburgh Pirates	Three Rivers Stadium
## 577	San Diego Padres	Jack Murphy Stadium
## 578	Seattle Mariners	Kingdome
## 579	San Francisco Giants	Candlestick Park
## 580	St. Louis Cardinals	Busch Stadium II
## 581	Texas Rangers	Arlington Stadium
## 582	Toronto Blue Jays	Exhibition Stadium
## 583	Atlanta Braves	Atlanta-Fulton County Stadium
## 584	Baltimore Orioles	Memorial Stadium
## 585	Boston Red Sox	Fenway Park II
## 586	California Angels	Anaheim Stadium
## 587	Chicago White Sox	Comiskey Park
## 588	Chicago Cubs	Wrigley Field
## 589	Cincinnati Reds	Riverfront Stadium
## 590	Cleveland Indians	Cleveland Stadium
## 591	Detroit Tigers	Tiger Stadium
## 592	Houston Astros	Astrodome
## 593	Kansas City Royals	Royals Stadium
## 594	Los Angeles Dodgers	Dodger Stadium
## 595	Minnesota Twins	Metropolitan Stadium
## 596	Milwaukee Brewers	County Stadium
## 597	Montreal Expos	Stade Olympique
## 598	New York Yankees	Yankee Stadium II
## 599	New York Mets	Shea Stadium
## 600	Oakland Athletics	Oakland Coliseum
## 601	Philadelphia Phillies	Veterans Stadium
## 602	Pittsburgh Pirates	Three Rivers Stadium
## 603	San Diego Padres	Jack Murphy Stadium
## 604	Seattle Mariners	Kingdome
## 605	San Francisco Giants	Candlestick Park
## 606	St. Louis Cardinals	Busch Stadium II
## 607	Texas Rangers	Arlington Stadium
## 608	Toronto Blue Jays	Exhibition Stadium
## 609	Atlanta Braves	Atlanta-Fulton County Stadium
## 610	Baltimore Orioles	Memorial Stadium
## 611	Boston Red Sox	Fenway Park II
## 612	California Angels	Anaheim Stadium
## 613	Chicago White Sox	Comiskey Park
## 614	Chicago Cubs	Wrigley Field
## 615	Cincinnati Reds	Riverfront Stadium
## 616	Cleveland Indians	Cleveland Stadium
## 617	Detroit Tigers	Tiger Stadium
## 618	Houston Astros	Astrodome
## 619	Kansas City Royals	Royals Stadium
## 620	Los Angeles Dodgers	Dodger Stadium
## 621	Minnesota Twins	Hubert H Humphrey Metrodome
## 622	Milwaukee Brewers	County Stadium
## 623	Montreal Expos	Stade Olympique

## 624	New York Yankees	Yankee Stadium II
## 625	New York Mets	Shea Stadium
## 626	Oakland Athletics	Oakland Coliseum
## 627	Philadelphia Phillies	Veterans Stadium
## 628	Pittsburgh Pirates	Three Rivers Stadium
## 629	San Diego Padres	Jack Murphy Stadium
## 630	Seattle Mariners	Kingdome
## 631	San Francisco Giants	Candlestick Park
## 632	St. Louis Cardinals	Busch Stadium II
## 633	Texas Rangers	Arlington Stadium
## 634	Toronto Blue Jays	Exhibition Stadium
## 635	Atlanta Braves	Atlanta-Fulton County Stadium
## 636	Baltimore Orioles	Memorial Stadium
## 637	Boston Red Sox	Fenway Park II
## 638	California Angels	Anaheim Stadium
## 639	Chicago White Sox	Comiskey Park
## 640	Chicago Cubs	Wrigley Field
## 641	Cincinnati Reds	Riverfront Stadium
## 642	Cleveland Indians	Cleveland Stadium
## 643	Detroit Tigers	Tiger Stadium
## 644	Houston Astros	Astrodome
## 645	Kansas City Royals	Royals Stadium
## 646	Los Angeles Dodgers	Dodger Stadium
## 647	Minnesota Twins	Hubert H Humphrey Metrodome
## 648	Milwaukee Brewers	County Stadium
## 649	Montreal Expos	Stade Olympique
## 650	New York Yankees	Yankee Stadium II
## 651	New York Mets	Shea Stadium
## 652	Oakland Athletics	Oakland Coliseum
## 653	Philadelphia Phillies	Veterans Stadium
## 654	Pittsburgh Pirates	Three Rivers Stadium
## 655	San Diego Padres	Jack Murphy Stadium
## 656	Seattle Mariners	Kingdome
## 657	San Francisco Giants	Candlestick Park
## 658	St. Louis Cardinals	Busch Stadium II
## 659	Texas Rangers	Arlington Stadium
## 660	Toronto Blue Jays	Exhibition Stadium
## 661	Atlanta Braves	Atlanta-Fulton County Stadium
## 662	Baltimore Orioles	Memorial Stadium
## 663	Boston Red Sox	Fenway Park II
## 664	California Angels	Anaheim Stadium
## 665	Chicago White Sox	Comiskey Park
## 666	Chicago Cubs	Wrigley Field
## 667	Cincinnati Reds	Riverfront Stadium
## 668	Cleveland Indians	Cleveland Stadium
## 669	Detroit Tigers	Tiger Stadium
## 670	Houston Astros	Astrodome
## 671	Kansas City Royals	Royals Stadium
## 672	Los Angeles Dodgers	Dodger Stadium
## 673	Minnesota Twins	Hubert H Humphrey Metrodome
## 674	Milwaukee Brewers	County Stadium
## 675	Montreal Expos	Stade Olympique
## 676	New York Yankees	Yankee Stadium II
## 677	New York Mets	Shea Stadium

## 678	Oakland Athletics	Oakland Coliseum
## 679	Philadelphia Phillies	Veterans Stadium
## 680	Pittsburgh Pirates	Three Rivers Stadium
## 681	San Diego Padres	Jack Murphy Stadium
## 682	Seattle Mariners	Kingdome
## 683	San Francisco Giants	Candlestick Park
## 684	St. Louis Cardinals	Busch Stadium II
## 685	Texas Rangers	Arlington Stadium
## 686	Toronto Blue Jays	Exhibition Stadium
## 687	Atlanta Braves	Atlanta-Fulton County Stadium
## 688	Baltimore Orioles	Memorial Stadium
## 689	Boston Red Sox	Fenway Park II
## 690	California Angels	Anaheim Stadium
## 691	Chicago White Sox	Comiskey Park
## 692	Chicago Cubs	Wrigley Field
## 693	Cincinnati Reds	Riverfront Stadium
## 694	Cleveland Indians	Cleveland Stadium
## 695	Detroit Tigers	Tiger Stadium
## 696	Houston Astros	Astrodome
## 697	Kansas City Royals	Royals Stadium
## 698	Los Angeles Dodgers	Dodger Stadium
## 699	Minnesota Twins	Hubert H Humphrey Metrodome
## 700	Milwaukee Brewers	County Stadium
## 701	Montreal Expos	Stade Olympique
## 702	New York Yankees	Yankee Stadium II
## 703	New York Mets	Shea Stadium
## 704	Oakland Athletics	Oakland Coliseum
## 705	Philadelphia Phillies	Veterans Stadium
## 706	Pittsburgh Pirates	Three Rivers Stadium
## 707	San Diego Padres	Jack Murphy Stadium
## 708	Seattle Mariners	Kingdome
## 709	San Francisco Giants	Candlestick Park
## 710	St. Louis Cardinals	Busch Stadium II
## 711	Texas Rangers	Arlington Stadium
## 712	Toronto Blue Jays	Exhibition Stadium
## 713	Atlanta Braves	Atlanta-Fulton County Stadium
## 714	Baltimore Orioles	Memorial Stadium
## 715	Boston Red Sox	Fenway Park II
## 716	California Angels	Anaheim Stadium
## 717	Chicago White Sox	Comiskey Park
## 718	Chicago Cubs	Wrigley Field
## 719	Cincinnati Reds	Riverfront Stadium
## 720	Cleveland Indians	Cleveland Stadium
## 721	Detroit Tigers	Tiger Stadium
## 722	Houston Astros	Astrodome
## 723	Kansas City Royals	Royals Stadium
## 724	Los Angeles Dodgers	Dodger Stadium
## 725	Minnesota Twins	Hubert H Humphrey Metrodome
## 726	Milwaukee Brewers	County Stadium
## 727	Montreal Expos	Stade Olympique
## 728	New York Yankees	Yankee Stadium II
## 729	New York Mets	Shea Stadium
## 730	Oakland Athletics	Oakland Coliseum
## 731	Philadelphia Phillies	Veterans Stadium

## 732	Pittsburgh Pirates	Three Rivers Stadium
## 733	San Diego Padres	Jack Murphy Stadium
## 734	Seattle Mariners	Kingdome
## 735	San Francisco Giants	Candlestick Park
## 736	St. Louis Cardinals	Busch Stadium II
## 737	Texas Rangers	Arlington Stadium
## 738	Toronto Blue Jays	Exhibition Stadium
## 739	Atlanta Braves	Atlanta-Fulton County Stadium
## 740	Baltimore Orioles	Memorial Stadium
## 741	Boston Red Sox	Fenway Park II
## 742	California Angels	Anaheim Stadium
## 743	Chicago White Sox	Comiskey Park
## 744	Chicago Cubs	Wrigley Field
## 745	Cincinnati Reds	Riverfront Stadium
## 746	Cleveland Indians	Cleveland Stadium
## 747	Detroit Tigers	Tiger Stadium
## 748	Houston Astros	Astrodome
## 749	Kansas City Royals	Royals Stadium
## 750	Los Angeles Dodgers	Dodger Stadium
## 751	Minnesota Twins	Hubert H Humphrey Metrodome
## 752	Milwaukee Brewers	County Stadium
## 753	Montreal Expos	Stade Olympique
## 754	New York Yankees	Yankee Stadium II
## 755	New York Mets	Shea Stadium
## 756	Oakland Athletics	Oakland Coliseum
## 757	Philadelphia Phillies	Veterans Stadium
## 758	Pittsburgh Pirates	Three Rivers Stadium
## 759	San Diego Padres	Jack Murphy Stadium
## 760	Seattle Mariners	Kingdome
## 761	San Francisco Giants	Candlestick Park
## 762	St. Louis Cardinals	Busch Stadium II
## 763	Texas Rangers	Arlington Stadium
## 764	Toronto Blue Jays	Exhibition Stadium
## 765	Atlanta Braves	Atlanta-Fulton County Stadium
## 766	Baltimore Orioles	Memorial Stadium
## 767	Boston Red Sox	Fenway Park II
## 768	California Angels	Anaheim Stadium
## 769	Chicago White Sox	Comiskey Park
## 770	Chicago Cubs	Wrigley Field
## 771	Cincinnati Reds	Riverfront Stadium
## 772	Cleveland Indians	Cleveland Stadium
## 773	Detroit Tigers	Tiger Stadium
## 774	Houston Astros	Astrodome
## 775	Kansas City Royals	Royals Stadium
## 776	Los Angeles Dodgers	Dodger Stadium
## 777	Minnesota Twins	Hubert H Humphrey Metrodome
## 778	Milwaukee Brewers	County Stadium
## 779	Montreal Expos	Stade Olympique
## 780	New York Yankees	Yankee Stadium II
## 781	New York Mets	Shea Stadium
## 782	Oakland Athletics	Oakland Coliseum
## 783	Philadelphia Phillies	Veterans Stadium
## 784	Pittsburgh Pirates	Three Rivers Stadium
## 785	San Diego Padres	Jack Murphy Stadium

## 786	Seattle Mariners	Kingdome
## 787	San Francisco Giants	Candlestick Park
## 788	St. Louis Cardinals	Busch Stadium II
## 789	Texas Rangers	Arlington Stadium
## 790	Toronto Blue Jays	Exhibition Stadium
## 791	Atlanta Braves	Atlanta-Fulton County Stadium
## 792	Baltimore Orioles	Memorial Stadium
## 793	Boston Red Sox	Fenway Park II
## 794	California Angels	Anaheim Stadium
## 795	Chicago White Sox	Comiskey Park
## 796	Chicago Cubs	Wrigley Field
## 797	Cincinnati Reds	Riverfront Stadium
## 798	Cleveland Indians	Cleveland Stadium
## 799	Detroit Tigers	Tiger Stadium
## 800	Houston Astros	Astrodome
## 801	Kansas City Royals	Royals Stadium
## 802	Los Angeles Dodgers	Dodger Stadium
## 803	Minnesota Twins	Hubert H Humphrey Metrodome
## 804	Milwaukee Brewers	County Stadium
## 805	Montreal Expos	Stade Olympique
## 806	New York Yankees	Yankee Stadium II
## 807	New York Mets	Shea Stadium
## 808	Oakland Athletics	Oakland Coliseum
## 809	Philadelphia Phillies	Veterans Stadium
## 810	Pittsburgh Pirates	Three Rivers Stadium
## 811	San Diego Padres	Jack Murphy Stadium
## 812	Seattle Mariners	Kingdome
## 813	San Francisco Giants	Candlestick Park
## 814	St. Louis Cardinals	Busch Stadium II
## 815	Texas Rangers	Arlington Stadium
## 816	Toronto Blue Jays	Exhibition Stadium /Skydome
## 817	Atlanta Braves	Atlanta-Fulton County Stadium
## 818	Baltimore Orioles	Memorial Stadium
## 819	Boston Red Sox	Fenway Park II
## 820	California Angels	Anaheim Stadium
## 821	Chicago White Sox	Comiskey Park
## 822	Chicago Cubs	Wrigley Field
## 823	Cincinnati Reds	Riverfront Stadium
## 824	Cleveland Indians	Cleveland Stadium
## 825	Detroit Tigers	Tiger Stadium
## 826	Houston Astros	Astrodome
## 827	Kansas City Royals	Royals Stadium
## 828	Los Angeles Dodgers	Dodger Stadium
## 829	Minnesota Twins	Hubert H Humphrey Metrodome
## 830	Milwaukee Brewers	County Stadium
## 831	Montreal Expos	Stade Olympique
## 832	New York Yankees	Yankee Stadium II
## 833	New York Mets	Shea Stadium
## 834	Oakland Athletics	Oakland Coliseum
## 835	Philadelphia Phillies	Veterans Stadium
## 836	Pittsburgh Pirates	Three Rivers Stadium
## 837	San Diego Padres	Jack Murphy Stadium
## 838	Seattle Mariners	Kingdome
## 839	San Francisco Giants	Candlestick Park

## 840	St. Louis Cardinals	Busch Stadium II
## 841	Texas Rangers	Arlington Stadium
## 842	Toronto Blue Jays	Skydome
## 843	Atlanta Braves	Atlanta-Fulton County Stadium
## 844	Baltimore Orioles	Memorial Stadium
## 845	Boston Red Sox	Fenway Park II
## 846	California Angels	Anaheim Stadium
## 847	Chicago White Sox	Comiskey Park II
## 848	Chicago Cubs	Wrigley Field
## 849	Cincinnati Reds	Riverfront Stadium
## 850	Cleveland Indians	Cleveland Stadium
## 851	Detroit Tigers	Tiger Stadium
## 852	Houston Astros	Astrodome
## 853	Kansas City Royals	Royals Stadium
## 854	Los Angeles Dodgers	Dodger Stadium
## 855	Minnesota Twins	Hubert H Humphrey Metrodome
## 856	Milwaukee Brewers	County Stadium
## 857	Montreal Expos	Stade Olympique
## 858	New York Yankees	Yankee Stadium II
## 859	New York Mets	Shea Stadium
## 860	Oakland Athletics	Oakland Coliseum
## 861	Philadelphia Phillies	Veterans Stadium
## 862	Pittsburgh Pirates	Three Rivers Stadium
## 863	San Diego Padres	Jack Murphy Stadium
## 864	Seattle Mariners	Kingdome
## 865	San Francisco Giants	Candlestick Park
## 866	St. Louis Cardinals	Busch Stadium II
## 867	Texas Rangers	Arlington Stadium
## 868	Toronto Blue Jays	Skydome
## 869	Atlanta Braves	Atlanta-Fulton County Stadium
## 870	Baltimore Orioles	Oriole Park at Camden Yards
## 871	Boston Red Sox	Fenway Park II
## 872	California Angels	Anaheim Stadium
## 873	Chicago White Sox	Comiskey Park II
## 874	Chicago Cubs	Wrigley Field
## 875	Cincinnati Reds	Riverfront Stadium
## 876	Cleveland Indians	Cleveland Stadium
## 877	Detroit Tigers	Tiger Stadium
## 878	Houston Astros	Astrodome
## 879	Kansas City Royals	Royals Stadium
## 880	Los Angeles Dodgers	Dodger Stadium
## 881	Minnesota Twins	Hubert H Humphrey Metrodome
## 882	Milwaukee Brewers	County Stadium
## 883	Montreal Expos	Stade Olympique
## 884	New York Yankees	Yankee Stadium II
## 885	New York Mets	Shea Stadium
## 886	Oakland Athletics	Oakland Coliseum
## 887	Philadelphia Phillies	Veterans Stadium
## 888	Pittsburgh Pirates	Three Rivers Stadium
## 889	San Diego Padres	Jack Murphy Stadium
## 890	Seattle Mariners	Kingdome
## 891	San Francisco Giants	Candlestick Park
## 892	St. Louis Cardinals	Busch Stadium II
## 893	Texas Rangers	Arlington Stadium

## 894	Toronto Blue Jays	Skydome
## 895	Atlanta Braves	Atlanta-Fulton County Stadium
## 896	Baltimore Orioles	Oriole Park at Camden Yards
## 897	Boston Red Sox	Fenway Park II
## 898	California Angels	Anaheim Stadium
## 899	Chicago White Sox	Comiskey Park II
## 900	Chicago Cubs	Wrigley Field
## 901	Cincinnati Reds	Riverfront Stadium
## 902	Cleveland Indians	Cleveland Stadium
## 903	Colorado Rockies	Mile High Stadium
## 904	Detroit Tigers	Tiger Stadium
## 905	Florida Marlins	Joe Robbie Stadium
## 906	Houston Astros	Astrodome
## 907	Kansas City Royals	Kauffman Stadium
## 908	Los Angeles Dodgers	Dodger Stadium
## 909	Minnesota Twins	Hubert H Humphrey Metrodome
## 910	Milwaukee Brewers	County Stadium
## 911	Montreal Expos	Stade Olympique
## 912	New York Yankees	Yankee Stadium II
## 913	New York Mets	Shea Stadium
## 914	Oakland Athletics	Oakland Coliseum
## 915	Philadelphia Phillies	Veterans Stadium
## 916	Pittsburgh Pirates	Three Rivers Stadium
## 917	San Diego Padres	Jack Murphy Stadium
## 918	Seattle Mariners	Kingdome
## 919	San Francisco Giants	Candlestick Park
## 920	St. Louis Cardinals	Busch Stadium II
## 921	Texas Rangers	Arlington Stadium
## 922	Toronto Blue Jays	Skydome
## 923	Atlanta Braves	Atlanta-Fulton County Stadium
## 924	Baltimore Orioles	Oriole Park at Camden Yards
## 925	Boston Red Sox	Fenway Park II
## 926	California Angels	Anaheim Stadium
## 927	Chicago White Sox	Comiskey Park II
## 928	Chicago Cubs	Wrigley Field
## 929	Cincinnati Reds	Riverfront Stadium
## 930	Cleveland Indians	Jacobs Field
## 931	Colorado Rockies	Mile High Stadium
## 932	Detroit Tigers	Tiger Stadium
## 933	Florida Marlins	Joe Robbie Stadium
## 934	Houston Astros	Astrodome
## 935	Kansas City Royals	Kauffman Stadium
## 936	Los Angeles Dodgers	Dodger Stadium
## 937	Minnesota Twins	Hubert H Humphrey Metrodome
## 938	Milwaukee Brewers	County Stadium
## 939	Montreal Expos	Stade Olympique
## 940	New York Yankees	Yankee Stadium II
## 941	New York Mets	Shea Stadium
## 942	Oakland Athletics	Oakland Coliseum
## 943	Philadelphia Phillies	Veterans Stadium
## 944	Pittsburgh Pirates	Three Rivers Stadium
## 945	San Diego Padres	Jack Murphy Stadium
## 946	Seattle Mariners	Kingdome
## 947	San Francisco Giants	Candlestick Park

## 948	St. Louis Cardinals	Busch Stadium II
## 949	Texas Rangers	The Ballpark at Arlington
## 950	Toronto Blue Jays	Skydome
## 951	Atlanta Braves	Atlanta-Fulton County Stadium
## 952	Baltimore Orioles	Oriole Park at Camden Yards
## 953	Boston Red Sox	Fenway Park II
## 954	California Angels	Anaheim Stadium
## 955	Chicago White Sox	Comiskey Park II
## 956	Chicago Cubs	Wrigley Field
## 957	Cincinnati Reds	Riverfront Stadium
## 958	Cleveland Indians	Jacobs Field
## 959	Colorado Rockies	Coors Field
## 960	Detroit Tigers	Tiger Stadium
## 961	Florida Marlins	Joe Robbie Stadium
## 962	Houston Astros	Astrodome
## 963	Kansas City Royals	Kauffman Stadium
## 964	Los Angeles Dodgers	Dodger Stadium
## 965	Minnesota Twins	Hubert H Humphrey Metrodome
## 966	Milwaukee Brewers	County Stadium
## 967	Montreal Expos	Stade Olympique
## 968	New York Yankees	Yankee Stadium II
## 969	New York Mets	Shea Stadium
## 970	Oakland Athletics	Oakland Coliseum
## 971	Philadelphia Phillies	Veterans Stadium
## 972	Pittsburgh Pirates	Three Rivers Stadium
## 973	San Diego Padres	Jack Murphy Stadium
## 974	Seattle Mariners	Kingdome
## 975	San Francisco Giants	Candlestick Park
## 976	St. Louis Cardinals	Busch Stadium II
## 977	Texas Rangers	The Ballpark at Arlington
## 978	Toronto Blue Jays	Skydome
## 979	Atlanta Braves	Atlanta-Fulton County Stadium
## 980	Baltimore Orioles	Oriole Park at Camden Yards
## 981	Boston Red Sox	Fenway Park II
## 982	California Angels	Anaheim Stadium
## 983	Chicago White Sox	Comiskey Park II
## 984	Chicago Cubs	Wrigley Field
## 985	Cincinnati Reds	Riverfront Stadium
## 986	Cleveland Indians	Jacobs Field
## 987	Colorado Rockies	Coors Field
## 988	Detroit Tigers	Tiger Stadium
## 989	Florida Marlins	Joe Robbie Stadium
## 990	Houston Astros	Astrodome
## 991	Kansas City Royals	Kauffman Stadium
## 992	Los Angeles Dodgers	Dodger Stadium
## 993	Minnesota Twins	Hubert H Humphrey Metrodome
## 994	Milwaukee Brewers	County Stadium
## 995	Montreal Expos	Stade Olympique
## 996	New York Yankees	Yankee Stadium II
## 997	New York Mets	Shea Stadium
## 998	Oakland Athletics	Oakland Coliseum
## 999	Philadelphia Phillies	Veterans Stadium
## 1000	Pittsburgh Pirates	Three Rivers Stadium
## 1001	San Diego Padres	Jack Murphy Stadium

## 1002	Seattle Mariners	Kingdome
## 1003	San Francisco Giants	Candlestick Park
## 1004	St. Louis Cardinals	Busch Stadium II
## 1005	Texas Rangers	The Ballpark at Arlington
## 1006	Toronto Blue Jays	Skydome
## 1007	Anaheim Angels	Edison International Field
## 1008	Atlanta Braves	Turner Field
## 1009	Baltimore Orioles	Oriole Park at Camden Yards
## 1010	Boston Red Sox	Fenway Park II
## 1011	Chicago White Sox	Comiskey Park II
## 1012	Chicago Cubs	Wrigley Field
## 1013	Cincinnati Reds	Cinergy Field
## 1014	Cleveland Indians	Jacobs Field
## 1015	Colorado Rockies	Coors Field
## 1016	Detroit Tigers	Tiger Stadium
## 1017	Florida Marlins	Joe Robbie Stadium
## 1018	Houston Astros	Astrodome
## 1019	Kansas City Royals	Kauffman Stadium
## 1020	Los Angeles Dodgers	Dodger Stadium
## 1021	Minnesota Twins	Hubert H Humphrey Metrodome
## 1022	Milwaukee Brewers	County Stadium
## 1023	Montreal Expos	Stade Olympique
## 1024	New York Yankees	Yankee Stadium II
## 1025	New York Mets	Shea Stadium
## 1026	Oakland Athletics	Oakland Coliseum
## 1027	Philadelphia Phillies	Veterans Stadium
## 1028	Pittsburgh Pirates	Three Rivers Stadium
## 1029	San Diego Padres	Qualcomm Stadium
## 1030	Seattle Mariners	Kingdome
## 1031	San Francisco Giants	3Com Park
## 1032	St. Louis Cardinals	Busch Stadium II
## 1033	Texas Rangers	The Ballpark at Arlington
## 1034	Toronto Blue Jays	Skydome
## 1035	Anaheim Angels	Edison International Field
## 1036	Arizona Diamondbacks	Bank One Ballpark
## 1037	Atlanta Braves	Turner Field
## 1038	Baltimore Orioles	Oriole Park at Camden Yards
## 1039	Boston Red Sox	Fenway Park II
## 1040	Chicago White Sox	Comiskey Park II
## 1041	Chicago Cubs	Wrigley Field
## 1042	Cincinnati Reds	Cinergy Field
## 1043	Cleveland Indians	Jacobs Field
## 1044	Colorado Rockies	Coors Field
## 1045	Detroit Tigers	Tiger Stadium
## 1046	Florida Marlins	Joe Robbie Stadium
## 1047	Houston Astros	Astrodome
## 1048	Kansas City Royals	Kauffman Stadium
## 1049	Los Angeles Dodgers	Dodger Stadium
## 1050	Milwaukee Brewers	County Stadium
## 1051	Minnesota Twins	Hubert H Humphrey Metrodome
## 1052	Montreal Expos	Stade Olympique
## 1053	New York Yankees	Yankee Stadium II
## 1054	New York Mets	Shea Stadium
## 1055	Oakland Athletics	Oakland Coliseum

## 1056	Philadelphia Phillies	Veterans Stadium
## 1057	Pittsburgh Pirates	Three Rivers Stadium
## 1058	San Diego Padres	Qualcomm Stadium
## 1059	Seattle Mariners	Kingdome
## 1060	San Francisco Giants	3Com Park
## 1061	St. Louis Cardinals	Busch Stadium II
## 1062	Tampa Bay Devil Rays	Tropicana Field
## 1063	Texas Rangers	The Ballpark at Arlington
## 1064	Toronto Blue Jays	Skydome
## 1065	Anaheim Angels	Edison International Field
## 1066	Arizona Diamondbacks	Bank One Ballpark
## 1067	Atlanta Braves	Turner Field
## 1068	Baltimore Orioles	Oriole Park at Camden Yards
## 1069	Boston Red Sox	Fenway Park II
## 1070	Chicago White Sox	Comiskey Park II
## 1071	Chicago Cubs	Wrigley Field
## 1072	Cincinnati Reds	Cinergy Field
## 1073	Cleveland Indians	Jacobs Field
## 1074	Colorado Rockies	Coors Field
## 1075	Detroit Tigers	Tiger Stadium
## 1076	Florida Marlins	Pro Player Stadium
## 1077	Houston Astros	Astrodome
## 1078	Kansas City Royals	Kauffman Stadium
## 1079	Los Angeles Dodgers	Dodger Stadium
## 1080	Milwaukee Brewers	County Stadium
## 1081	Minnesota Twins	Hubert H Humphrey Metrodome
## 1082	Montreal Expos	Stade Olympique
## 1083	New York Yankees	Yankee Stadium II
## 1084	New York Mets	Shea Stadium
## 1085	Oakland Athletics	Oakland Coliseum
## 1086	Philadelphia Phillies	Veterans Stadium
## 1087	Pittsburgh Pirates	Three Rivers Stadium
## 1088	San Diego Padres	Qualcomm Stadium
## 1089	Seattle Mariners	Kingdome / Safeco Field
## 1090	San Francisco Giants	3Com Park
## 1091	St. Louis Cardinals	Busch Stadium II
## 1092	Tampa Bay Devil Rays	Tropicana Field
## 1093	Texas Rangers	The Ballpark at Arlington
## 1094	Toronto Blue Jays	Skydome
## 1095	Anaheim Angels	Edison International Field
## 1096	Arizona Diamondbacks	Bank One Ballpark
## 1097	Atlanta Braves	Turner Field
## 1098	Baltimore Orioles	Oriole Park at Camden Yards
## 1099	Boston Red Sox	Fenway Park II
## 1100	Chicago White Sox	Comiskey Park II
## 1101	Chicago Cubs	Wrigley Field
## 1102	Cincinnati Reds	Cinergy Field
## 1103	Cleveland Indians	Jacobs Field
## 1104	Colorado Rockies	Coors Field
## 1105	Detroit Tigers	Comerica Park
## 1106	Florida Marlins	Pro Player Stadium
## 1107	Houston Astros	Enron Field
## 1108	Kansas City Royals	Kauffman Stadium
## 1109	Los Angeles Dodgers	Dodger Stadium

## 1110	Milwaukee Brewers	County Stadium
## 1111	Minnesota Twins	Hubert H Humphrey Metrodome
## 1112	Montreal Expos	Stade Olympique
## 1113	New York Yankees	Yankee Stadium II
## 1114	New York Mets	Shea Stadium
## 1115	Oakland Athletics	Oakland Coliseum
## 1116	Philadelphia Phillies	Veterans Stadium
## 1117	Pittsburgh Pirates	Three Rivers Stadium
## 1118	San Diego Padres	Qualcomm Stadium
## 1119	Seattle Mariners	Safeco Field
## 1120	San Francisco Giants	PacBell Park
## 1121	St. Louis Cardinals	Busch Stadium II
## 1122	Tampa Bay Devil Rays	Tropicana Field
## 1123	Texas Rangers	The Ballpark at Arlington
## 1124	Toronto Blue Jays	Skydome
## 1125	Anaheim Angels	Edison International Field
## 1126	Arizona Diamondbacks	Bank One Ballpark
## 1127	Atlanta Braves	Turner Field
## 1128	Baltimore Orioles	Oriole Park at Camden Yards
## 1129	Boston Red Sox	Fenway Park II
## 1130	Chicago White Sox	Comiskey Park II
## 1131	Chicago Cubs	Wrigley Field
## 1132	Cincinnati Reds	Cinergy Field
## 1133	Cleveland Indians	Jacobs Field
## 1134	Colorado Rockies	Coors Field
## 1135	Detroit Tigers	Comerica Park
## 1136	Florida Marlins	Pro Player Stadium
## 1137	Houston Astros	Enron Field
## 1138	Kansas City Royals	Kauffman Stadium
## 1139	Los Angeles Dodgers	Dodger Stadium
## 1140	Milwaukee Brewers	Miller Park
## 1141	Minnesota Twins	Hubert H Humphrey Metrodome
## 1142	Montreal Expos	Stade Olympique
## 1143	New York Yankees	Yankee Stadium II
## 1144	New York Mets	Shea Stadium
## 1145	Oakland Athletics	Oakland Coliseum
## 1146	Philadelphia Phillies	Veterans Stadium
## 1147	Pittsburgh Pirates	PNC Park
## 1148	San Diego Padres	Qualcomm Stadium
## 1149	Seattle Mariners	Safeco Field
## 1150	San Francisco Giants	PacBell Park
## 1151	St. Louis Cardinals	Busch Stadium II
## 1152	Tampa Bay Devil Rays	Tropicana Field
## 1153	Texas Rangers	The Ballpark at Arlington
## 1154	Toronto Blue Jays	Skydome
## 1155	Anaheim Angels	Edison International Field
## 1156	Arizona Diamondbacks	Bank One Ballpark
## 1157	Atlanta Braves	Turner Field
## 1158	Baltimore Orioles	Oriole Park at Camden Yards
## 1159	Boston Red Sox	Fenway Park II
## 1160	Chicago White Sox	Comiskey Park II
## 1161	Chicago Cubs	Wrigley Field
## 1162	Cincinnati Reds	Cinergy Field
## 1163	Cleveland Indians	Jacobs Field

## 1164	Colorado Rockies	Coors Field
## 1165	Detroit Tigers	Comerica Park
## 1166	Florida Marlins	Pro Player Stadium
## 1167	Houston Astros	Minute Maid Park
## 1168	Kansas City Royals	Kauffman Stadium
## 1169	Los Angeles Dodgers	Dodger Stadium
## 1170	Milwaukee Brewers	Miller Park
## 1171	Minnesota Twins	Hubert H Humphrey Metrodome
## 1172	Montreal Expos	Stade Olympique
## 1173	New York Yankees	Yankee Stadium II
## 1174	New York Mets	Shea Stadium
## 1175	Oakland Athletics	Oakland Coliseum
## 1176	Philadelphia Phillies	Veterans Stadium
## 1177	Pittsburgh Pirates	PNC Park
## 1178	San Diego Padres	Qualcomm Stadium
## 1179	Seattle Mariners	Safeco Field
## 1180	San Francisco Giants	PacBell Park
## 1181	St. Louis Cardinals	Busch Stadium II
## 1182	Tampa Bay Devil Rays	Tropicana Field
## 1183	Texas Rangers	The Ballpark at Arlington
## 1184	Toronto Blue Jays	Skydome
## 1185	Anaheim Angels	Edison International Field
## 1186	Arizona Diamondbacks	Bank One Ballpark
## 1187	Atlanta Braves	Turner Field
## 1188	Baltimore Orioles	Oriole Park at Camden Yards
## 1189	Boston Red Sox	Fenway Park II
## 1190	Chicago White Sox	U.S. Cellular Field
## 1191	Chicago Cubs	Wrigley Field
## 1192	Cincinnati Reds	Great American Ball Park
## 1193	Cleveland Indians	Jacobs Field
## 1194	Colorado Rockies	Coors Field
## 1195	Detroit Tigers	Comerica Park
## 1196	Florida Marlins	Pro Player Stadium
## 1197	Houston Astros	Minute Maid Park
## 1198	Kansas City Royals	Kauffman Stadium
## 1199	Los Angeles Dodgers	Dodger Stadium
## 1200	Milwaukee Brewers	Miller Park
## 1201	Minnesota Twins	Hubert H Humphrey Metrodome
## 1202	Montreal Expos	Stade Olympique/Hiram Bithorn Stadium
## 1203	New York Yankees	Yankee Stadium II
## 1204	New York Mets	Shea Stadium
## 1205	Oakland Athletics	Oakland Coliseum
## 1206	Philadelphia Phillies	Veterans Stadium
## 1207	Pittsburgh Pirates	PNC Park
## 1208	San Diego Padres	Qualcomm Stadium
## 1209	Seattle Mariners	Safeco Field
## 1210	San Francisco Giants	PacBell Park
## 1211	St. Louis Cardinals	Busch Stadium II
## 1212	Tampa Bay Devil Rays	Tropicana Field
## 1213	Texas Rangers	The Ballpark at Arlington
## 1214	Toronto Blue Jays	Skydome
## 1215	Anaheim Angels	Angels Stadium of Anaheim
## 1216	Arizona Diamondbacks	Bank One Ballpark
## 1217	Atlanta Braves	Turner Field

## 1218	Baltimore Orioles	Oriole Park at Camden Yards
## 1219	Boston Red Sox	Fenway Park II
## 1220	Chicago White Sox	U.S. Cellular Field
## 1221	Chicago Cubs	Wrigley Field
## 1222	Cincinnati Reds	Great American Ball Park
## 1223	Cleveland Indians	Jacobs Field
## 1224	Colorado Rockies	Coors Field
## 1225	Detroit Tigers	Comerica Park
## 1226	Florida Marlins	Pro Player Stadium
## 1227	Houston Astros	Minute Maid Park
## 1228	Kansas City Royals	Kauffman Stadium
## 1229	Los Angeles Dodgers	Dodger Stadium
## 1230	Milwaukee Brewers	Miller Park
## 1231	Minnesota Twins	Hubert H Humphrey Metrodome
## 1232	Montreal Expos	Stade Olympique/Hiram Bithorn Stadium
## 1233	New York Yankees	Yankee Stadium II
## 1234	New York Mets	Shea Stadium
## 1235	Oakland Athletics	Network Associates Coliseum
## 1236	Philadelphia Phillies	Citizens Bank Park
## 1237	Pittsburgh Pirates	PNC Park
## 1238	San Diego Padres	Petco Park
## 1239	Seattle Mariners	Safeco Field
## 1240	San Francisco Giants	SBC Park
## 1241	St. Louis Cardinals	Busch Stadium II
## 1242	Tampa Bay Devil Rays	Tropicana Field
## 1243	Texas Rangers	The Ballpark at Arlington
## 1244	Toronto Blue Jays	Skydome
## 1245	Arizona Diamondbacks	Bank One Ballpark
## 1246	Atlanta Braves	Turner Field
## 1247	Baltimore Orioles	Oriole Park at Camden Yards
## 1248	Boston Red Sox	Fenway Park II
## 1249	Chicago White Sox	U.S. Cellular Field
## 1250	Chicago Cubs	Wrigley Field
## 1251	Cincinnati Reds	Great American Ball Park
## 1252	Cleveland Indians	Jacobs Field
## 1253	Colorado Rockies	Coors Field
## 1254	Detroit Tigers	Comerica Park
## 1255	Florida Marlins	Dolphin Stadium
## 1256	Houston Astros	Minute Maid Park
## 1257	Kansas City Royals	Kauffman Stadium
## 1258	Los Angeles Angels of Anaheim	Angel Stadium
## 1259	Los Angeles Dodgers	Dodger Stadium
## 1260	Milwaukee Brewers	Miller Park
## 1261	Minnesota Twins	Hubert H Humphrey Metrodome
## 1262	New York Yankees	Yankee Stadium II
## 1263	New York Mets	Shea Stadium
## 1264	Oakland Athletics	McAfee Coliseum
## 1265	Philadelphia Phillies	Citizens Bank Park
## 1266	Pittsburgh Pirates	PNC Park
## 1267	San Diego Padres	Petco Park
## 1268	Seattle Mariners	Safeco Field
## 1269	San Francisco Giants	SBC Park
## 1270	St. Louis Cardinals	Busch Stadium II
## 1271	Tampa Bay Devil Rays	Tropicana Field

## 1272	Texas Rangers	Ameritrust Field
## 1273	Toronto Blue Jays	Rogers Centre
## 1274	Washington Nationals	R.F.K. Stadium
## 1275	Arizona Diamondbacks	Chase Field
## 1276	Atlanta Braves	Turner Field
## 1277	Baltimore Orioles	Oriole Park at Camden Yards
## 1278	Boston Red Sox	Fenway Park II
## 1279	Chicago White Sox	U.S. Cellular Field
## 1280	Chicago Cubs	Wrigley Field
## 1281	Cincinnati Reds	Great American Ball Park
## 1282	Cleveland Indians	Jacobs Field
## 1283	Colorado Rockies	Coors Field
## 1284	Detroit Tigers	Comerica Park
## 1285	Florida Marlins	Dolphin Stadium
## 1286	Houston Astros	Minute Maid Park
## 1287	Kansas City Royals	Kauffman Stadium
## 1288	Los Angeles Angels of Anaheim	Angel Stadium
## 1289	Los Angeles Dodgers	Dodger Stadium
## 1290	Milwaukee Brewers	Miller Park
## 1291	Minnesota Twins	Hubert H Humphrey Metrodome
## 1292	New York Yankees	Yankee Stadium II
## 1293	New York Mets	Shea Stadium
## 1294	Oakland Athletics	McAfee Coliseum
## 1295	Philadelphia Phillies	Citizens Bank Park
## 1296	Pittsburgh Pirates	PNC Park
## 1297	San Diego Padres	Petco Park
## 1298	Seattle Mariners	Safeco Field
## 1299	San Francisco Giants	AT&T Park
## 1300	St. Louis Cardinals	Busch Stadium III
## 1301	Tampa Bay Devil Rays	Tropicana Field
## 1302	Texas Rangers	Ameritrust Field
## 1303	Toronto Blue Jays	Rogers Centre
## 1304	Washington Nationals	R.F.K. Stadium
## 1305	Arizona Diamondbacks	Chase Field
## 1306	Atlanta Braves	Turner Field
## 1307	Baltimore Orioles	Oriole Park at Camden Yards
## 1308	Boston Red Sox	Fenway Park II
## 1309	Chicago White Sox	U.S. Cellular Field
## 1310	Chicago Cubs	Wrigley Field
## 1311	Cincinnati Reds	Great American Ball Park
## 1312	Cleveland Indians	Jacobs Field
## 1313	Colorado Rockies	Coors Field
## 1314	Detroit Tigers	Comerica Park
## 1315	Florida Marlins	Dolphin Stadium
## 1316	Houston Astros	Minute Maid Park
## 1317	Kansas City Royals	Kauffman Stadium
## 1318	Los Angeles Angels of Anaheim	Angel Stadium
## 1319	Los Angeles Dodgers	Dodger Stadium
## 1320	Milwaukee Brewers	Miller Park
## 1321	Minnesota Twins	Hubert H Humphrey Metrodome
## 1322	New York Yankees	Yankee Stadium II
## 1323	New York Mets	Shea Stadium
## 1324	Oakland Athletics	McAfee Coliseum
## 1325	Philadelphia Phillies	Citizens Bank Park

## 1326	Pittsburgh Pirates	PNC Park
## 1327	San Diego Padres	Petco Park
## 1328	Seattle Mariners	Safeco Field
## 1329	San Francisco Giants	AT&T Park
## 1330	St. Louis Cardinals	Busch Stadium III
## 1331	Tampa Bay Devil Rays	Tropicana Field
## 1332	Texas Rangers	Rangers Ballpark in Arlington
## 1333	Toronto Blue Jays	Rogers Centre
## 1334	Washington Nationals	R.F.K. Stadium
## 1335	Arizona Diamondbacks	Chase Field
## 1336	Atlanta Braves	Turner Field
## 1337	Baltimore Orioles	Oriole Park at Camden Yards
## 1338	Boston Red Sox	Fenway Park II
## 1339	Chicago White Sox	U.S. Cellular Field
## 1340	Chicago Cubs	Wrigley Field
## 1341	Cincinnati Reds	Great American Ball Park
## 1342	Cleveland Indians	Jacobs Field
## 1343	Colorado Rockies	Coors Field
## 1344	Detroit Tigers	Comerica Park
## 1345	Florida Marlins	Dolphin Stadium
## 1346	Houston Astros	Minute Maid Park
## 1347	Kansas City Royals	Kauffman Stadium
## 1348	Los Angeles Angels of Anaheim	Angel Stadium
## 1349	Los Angeles Dodgers	Dodger Stadium
## 1350	Milwaukee Brewers	Miller Park
## 1351	Minnesota Twins	Hubert H Humphrey Metrodome
## 1352	New York Yankees	Yankee Stadium II
## 1353	New York Mets	Shea Stadium
## 1354	Oakland Athletics	McAfee Coliseum
## 1355	Philadelphia Phillies	Citizens Bank Park
## 1356	Pittsburgh Pirates	PNC Park
## 1357	San Diego Padres	Petco Park
## 1358	Seattle Mariners	Safeco Field
## 1359	San Francisco Giants	AT&T Park
## 1360	St. Louis Cardinals	Busch Stadium III
## 1361	Tampa Bay Rays	Tropicana Field
## 1362	Texas Rangers	Rangers Ballpark in Arlington
## 1363	Toronto Blue Jays	Rogers Centre
## 1364	Washington Nationals	Nationals Park
## 1365	Arizona Diamondbacks	Chase Field
## 1366	Atlanta Braves	Turner Field
## 1367	Baltimore Orioles	Oriole Park at Camden Yards
## 1368	Boston Red Sox	Fenway Park II
## 1369	Chicago White Sox	U.S. Cellular Field
## 1370	Chicago Cubs	Wrigley Field
## 1371	Cincinnati Reds	Great American Ball Park
## 1372	Cleveland Indians	Jacobs Field
## 1373	Colorado Rockies	Coors Field
## 1374	Detroit Tigers	Comerica Park
## 1375	Florida Marlins	Dolphin Stadium
## 1376	Houston Astros	Minute Maid Park
## 1377	Kansas City Royals	Kauffman Stadium
## 1378	Los Angeles Angels of Anaheim	Angel Stadium
## 1379	Los Angeles Dodgers	Dodger Stadium

## 1380	Milwaukee Brewers	Miller Park
## 1381	Minnesota Twins	Hubert H Humphrey Metrodome
## 1382	New York Yankees	Yankee Stadium III
## 1383	New York Mets	Citi Field
## 1384	Oakland Athletics	Oakland-Alameda County Coliseum
## 1385	Philadelphia Phillies	Citizens Bank Park
## 1386	Pittsburgh Pirates	PNC Park
## 1387	San Diego Padres	Petco Park
## 1388	Seattle Mariners	Safeco Field
## 1389	San Francisco Giants	AT&T Park
## 1390	St. Louis Cardinals	Busch Stadium III
## 1391	Tampa Bay Rays	Tropicana Field
## 1392	Texas Rangers	Rangers Ballpark in Arlington
## 1393	Toronto Blue Jays	Rogers Centre
## 1394	Washington Nationals	Nationals Park
## 1395	Arizona Diamondbacks	Chase Field
## 1396	Atlanta Braves	Turner Field
## 1397	Baltimore Orioles	Oriole Park at Camden Yards
## 1398	Boston Red Sox	Fenway Park II
## 1399	Chicago White Sox	U.S. Cellular Field
## 1400	Chicago Cubs	Wrigley Field
## 1401	Cincinnati Reds	Great American Ball Park
## 1402	Cleveland Indians	Jacobs Field
## 1403	Colorado Rockies	Coors Field
## 1404	Detroit Tigers	Comerica Park
## 1405	Florida Marlins	Dolphin Stadium
## 1406	Houston Astros	Minute Maid Park
## 1407	Kansas City Royals	Kauffman Stadium
## 1408	Los Angeles Angels of Anaheim	Angel Stadium
## 1409	Los Angeles Dodgers	Dodger Stadium
## 1410	Milwaukee Brewers	Miller Park
## 1411	Minnesota Twins	Target Field
## 1412	New York Yankees	Yankee Stadium III
## 1413	New York Mets	Citi Field
## 1414	Oakland Athletics	Oakland-Alameda County Coliseum
## 1415	Philadelphia Phillies	Citizens Bank Park
## 1416	Pittsburgh Pirates	PNC Park
## 1417	San Diego Padres	Petco Park
## 1418	Seattle Mariners	Safeco Field
## 1419	San Francisco Giants	AT&T Park
## 1420	St. Louis Cardinals	Busch Stadium III
## 1421	Tampa Bay Rays	Tropicana Field
## 1422	Texas Rangers	Rangers Ballpark in Arlington
## 1423	Toronto Blue Jays	Rogers Centre
## 1424	Washington Nationals	Nationals Park
## 1425	Arizona Diamondbacks	Chase Field
## 1426	Atlanta Braves	Turner Field
## 1427	Baltimore Orioles	Oriole Park at Camden Yards
## 1428	Boston Red Sox	Fenway Park II
## 1429	Chicago White Sox	U.S. Cellular Field
## 1430	Chicago Cubs	Wrigley Field
## 1431	Cincinnati Reds	Great American Ball Park
## 1432	Cleveland Indians	Jacobs Field
## 1433	Colorado Rockies	Coors Field

## 1434	Detroit Tigers	Comerica Park
## 1435	Florida Marlins	Sun Life Stadium
## 1436	Houston Astros	Minute Maid Park
## 1437	Kansas City Royals	Kauffman Stadium
## 1438	Los Angeles Angels of Anaheim	Angel Stadium
## 1439	Los Angeles Dodgers	Dodger Stadium
## 1440	Milwaukee Brewers	Miller Park
## 1441	Minnesota Twins	Target Field
## 1442	New York Yankees	Yankee Stadium III
## 1443	New York Mets	Citi Field
## 1444	Oakland Athletics	Oakland-Alameda County Coliseum
## 1445	Philadelphia Phillies	Citizens Bank Park
## 1446	Pittsburgh Pirates	PNC Park
## 1447	San Diego Padres	Petco Park
## 1448	Seattle Mariners	Safeco Field
## 1449	San Francisco Giants	AT&T Park
## 1450	St. Louis Cardinals	Busch Stadium III
## 1451	Tampa Bay Rays	Tropicana Field
## 1452	Texas Rangers	Rangers Ballpark in Arlington
## 1453	Toronto Blue Jays	Rogers Centre
## 1454	Washington Nationals	Nationals Park
## 1455	Arizona Diamondbacks	Chase Field
## 1456	Atlanta Braves	Turner Field
## 1457	Baltimore Orioles	Oriole Park at Camden Yards
## 1458	Boston Red Sox	Fenway Park II
## 1459	Chicago White Sox	U.S. Cellular Field
## 1460	Chicago Cubs	Wrigley Field
## 1461	Cincinnati Reds	Great American Ball Park
## 1462	Cleveland Indians	Progressive Field
## 1463	Colorado Rockies	Coors Field
## 1464	Detroit Tigers	Comerica Park
## 1465	Houston Astros	Minute Maid Park
## 1466	Kansas City Royals	Kauffman Stadium
## 1467	Los Angeles Angels of Anaheim	Angel Stadium of Anaheim
## 1468	Los Angeles Dodgers	Dodger Stadium
## 1469	Miami Marlins	Marlins Park
## 1470	Milwaukee Brewers	Miller Park
## 1471	Minnesota Twins	Target Field
## 1472	New York Yankees	Yankee Stadium III
## 1473	New York Mets	Citi Field
## 1474	Oakland Athletics	O.co Coliseum
## 1475	Philadelphia Phillies	Citizens Bank Park
## 1476	Pittsburgh Pirates	PNC Park
## 1477	San Diego Padres	Petco Park
## 1478	Seattle Mariners	Safeco Field
## 1479	San Francisco Giants	AT&T Park
## 1480	St. Louis Cardinals	Busch Stadium III
## 1481	Tampa Bay Rays	Tropicana Field
## 1482	Texas Rangers	Rangers Ballpark in Arlington
## 1483	Toronto Blue Jays	Rogers Centre
## 1484	Washington Nationals	Nationals Park
## 1485	Arizona Diamondbacks	Chase Field
## 1486	Atlanta Braves	Turner Field
## 1487	Baltimore Orioles	Oriole Park at Camden Yards

## 1488	Boston Red Sox	Fenway Park II
## 1489	Chicago White Sox	U.S. Cellular Field
## 1490	Chicago Cubs	Wrigley Field
## 1491	Cincinnati Reds	Great American Ball Park
## 1492	Cleveland Indians	Progressive Field
## 1493	Colorado Rockies	Coors Field
## 1494	Detroit Tigers	Comerica Park
## 1495	Houston Astros	Minute Maid Park
## 1496	Kansas City Royals	Kauffman Stadium
## 1497	Los Angeles Angels of Anaheim	Angel Stadium of Anaheim
## 1498	Los Angeles Dodgers	Dodger Stadium
## 1499	Miami Marlins	Marlins Park
## 1500	Milwaukee Brewers	Miller Park
## 1501	Minnesota Twins	Target Field
## 1502	New York Yankees	Yankee Stadium III
## 1503	New York Mets	Citi Field
## 1504	Oakland Athletics	O.co Coliseum
## 1505	Philadelphia Phillies	Citizens Bank Park
## 1506	Pittsburgh Pirates	PNC Park
## 1507	San Diego Padres	Petco Park
## 1508	Seattle Mariners	Safeco Field
## 1509	San Francisco Giants	AT&T Park
## 1510	St. Louis Cardinals	Busch Stadium III
## 1511	Tampa Bay Rays	Tropicana Field
## 1512	Texas Rangers	Rangers Ballpark in Arlington
## 1513	Toronto Blue Jays	Rogers Centre
## 1514	Washington Nationals	Nationals Park
## 1515	Arizona Diamondbacks	Chase Field
## 1516	Atlanta Braves	Turner Field
## 1517	Baltimore Orioles	Oriole Park at Camden Yards
## 1518	Boston Red Sox	Fenway Park II
## 1519	Chicago White Sox	U.S. Cellular Field
## 1520	Chicago Cubs	Wrigley Field
## 1521	Cincinnati Reds	Great American Ball Park
## 1522	Cleveland Indians	Progressive Field
## 1523	Colorado Rockies	Coors Field
## 1524	Detroit Tigers	Comerica Park
## 1525	Houston Astros	Minute Maid Park
## 1526	Kansas City Royals	Kauffman Stadium
## 1527	Los Angeles Angels of Anaheim	Angel Stadium of Anaheim
## 1528	Los Angeles Dodgers	Dodger Stadium
## 1529	Miami Marlins	Marlins Park
## 1530	Milwaukee Brewers	Miller Park
## 1531	Minnesota Twins	Target Field
## 1532	New York Yankees	Yankee Stadium III
## 1533	New York Mets	Citi Field
## 1534	Oakland Athletics	O.co Coliseum
## 1535	Philadelphia Phillies	Citizens Bank Park
## 1536	Pittsburgh Pirates	PNC Park
## 1537	San Diego Padres	Petco Park
## 1538	Seattle Mariners	Safeco Field
## 1539	San Francisco Giants	AT&T Park
## 1540	St. Louis Cardinals	Busch Stadium III
## 1541	Tampa Bay Rays	Tropicana Field

## 1542	Texas Rangers	Rangers Ballpark in Arlington
## 1543	Toronto Blue Jays	Rogers Centre
## 1544	Washington Nationals	Nationals Park
## 1545	Arizona Diamondbacks	Chase Field
## 1546	Atlanta Braves	Turner Field
## 1547	Baltimore Orioles	Oriole Park at Camden Yards
## 1548	Boston Red Sox	Fenway Park II
## 1549	Chicago White Sox	U.S. Cellular Field
## 1550	Chicago Cubs	Wrigley Field
## 1551	Cincinnati Reds	Great American Ball Park
## 1552	Cleveland Indians	Progressive Field
## 1553	Colorado Rockies	Coors Field
## 1554	Detroit Tigers	Comerica Park
## 1555	Houston Astros	Minute Maid Park
## 1556	Kansas City Royals	Kauffman Stadium
## 1557	Los Angeles Angels of Anaheim	Angel Stadium of Anaheim
## 1558	Los Angeles Dodgers	Dodger Stadium
## 1559	Miami Marlins	Marlins Park
## 1560	Milwaukee Brewers	Miller Park
## 1561	Minnesota Twins	Target Field
## 1562	New York Yankees	Yankee Stadium III
## 1563	New York Mets	Citi Field
## 1564	Oakland Athletics	O.co Coliseum
## 1565	Philadelphia Phillies	Citizens Bank Park
## 1566	Pittsburgh Pirates	PNC Park
## 1567	San Diego Padres	Petco Park
## 1568	Seattle Mariners	Safeco Field
## 1569	San Francisco Giants	AT&T Park
## 1570	St. Louis Cardinals	Busch Stadium III
## 1571	Tampa Bay Rays	Tropicana Field
## 1572	Texas Rangers	Rangers Ballpark in Arlington
## 1573	Toronto Blue Jays	Rogers Centre
## 1574	Washington Nationals	Nationals Park
## 1575	Arizona Diamondbacks	Chase Field
## 1576	Atlanta Braves	Turner Field
## 1577	Baltimore Orioles	Oriole Park at Camden Yards
## 1578	Boston Red Sox	Fenway Park II
## 1579	Chicago White Sox	U.S. Cellular Field
## 1580	Chicago Cubs	Wrigley Field
## 1581	Cincinnati Reds	Great American Ball Park
## 1582	Cleveland Indians	Progressive Field
## 1583	Colorado Rockies	Coors Field
## 1584	Detroit Tigers	Comerica Park
## 1585	Houston Astros	Minute Maid Park
## 1586	Kansas City Royals	Kauffman Stadium
## 1587	Los Angeles Angels of Anaheim	Angel Stadium of Anaheim
## 1588	Los Angeles Dodgers	Dodger Stadium
## 1589	Miami Marlins	Marlins Park
## 1590	Milwaukee Brewers	Miller Park
## 1591	Minnesota Twins	Target Field
## 1592	New York Yankees	Yankee Stadium III
## 1593	New York Mets	Citi Field
## 1594	Oakland Athletics	O.co Coliseum
## 1595	Philadelphia Phillies	Citizens Bank Park

## 1596	Pittsburgh Pirates	PNC Park
## 1597	San Diego Padres	Petco Park
## 1598	Seattle Mariners	Safeco Field
## 1599	San Francisco Giants	AT&T Park
## 1600	St. Louis Cardinals	Busch Stadium III
## 1601	Tampa Bay Rays	Tropicana Field
## 1602	Texas Rangers	Rangers Ballpark in Arlington
## 1603	Toronto Blue Jays	Rogers Centre
## 1604	Washington Nationals	Nationals Park
##	attendance BPF PPF teamIDBR teamIDlahman45 teamIDretro	
## 1	1026133 105 105 BOS BOS BOS	
## 2	1163419 103 100 BRO BRO BRO	
## 3	1191353 103 101 CHW CHA CHA	
## 4	763658 102 103 CHC CHN CHN	
## 5	548086 100 101 CIN CIN CIN	
## 6	1069176 98 94 CLE CLE CLE	
## 7	884658 98 102 DET DET DET	
## 8	1826397 94 92 MLN MLN MLN	
## 9	811518 103 101 NYG NY1 NY1	
## 10	1537811 97 93 NYY NYA NYA	
## 11	362113 104 107 PHA PHA PHA	
## 12	853644 99 98 PHI PHI PHI	
## 13	572757 99 104 PIT PIT PIT	
## 14	297238 102 106 SLB SLA SLA	
## 15	880242 100 99 STL SLN SLN	
## 16	595594 98 98 WSH WS1 WS1	
## 17	1060910 92 96 BAL BAL BAL	
## 18	931127 111 110 BOS BOS BOS	
## 19	1020531 104 101 BRO BRO BRO	
## 20	1231629 103 100 CHW CHA CHA	
## 21	748183 101 103 CHC CHN CHN	
## 22	704167 102 103 CIN CIN CIN	
## 23	1335472 102 98 CLE CLE CLE	
## 24	1079847 99 100 DET DET DET	
## 25	2131388 94 92 MLN MLN MLN	
## 26	1155067 101 100 NYG NY1 NY1	
## 27	1475171 97 93 NYY NYA NYA	
## 28	304666 100 105 PHA PHA PHA	
## 29	738991 100 99 PHI PHI PHI	
## 30	475494 98 102 PIT PIT PIT	
## 31	1039698 100 101 STL SLN SLN	
## 32	503542 94 96 WSH WS1 WS1	
## 33	852039 92 96 BAL BAL BAL	
## 34	1203200 110 109 BOS BOS BOS	
## 35	1033589 104 101 BRO BRO BRO	
## 36	1175684 103 99 CHW CHA CHA	
## 37	875800 100 102 CHC CHN CHN	
## 38	693662 105 104 CIN CIN CIN	
## 39	1221780 104 101 CLE CLE CLE	
## 40	1181838 98 98 DET DET DET	
## 41	1393054 100 105 KCA KC1 KC1	
## 42	2005836 96 93 MLN MLN MLN	
## 43	824112 101 101 NYG NY1 NY1	
## 44	1490138 99 95 NYY NYA NYA	

## 45	922886	98	98	PHI	PHI	PHI
## 46	469397	98	101	PIT	PIT	PIT
## 47	849130	99	100	STL	SLN	SLN
## 48	425238	97	100	WSH	WS1	WS1
## 49	901201	92	94	BAL	BAL	BAL
## 50	1137158	113	111	BOS	BOS	BOS
## 51	1213562	109	107	BRO	BRO	BRO
## 52	1000090	101	99	CHW	CHA	CHA
## 53	720118	99	101	CHC	CHN	CHN
## 54	1125928	106	105	CIN	CIN	CIN
## 55	865467	103	101	CLE	CLE	CLE
## 56	1051182	101	100	DET	DET	DET
## 57	1015154	100	104	KCA	KC1	KC1
## 58	2046331	94	92	MLN	MLN	MLN
## 59	629179	99	100	NYG	NY1	NY1
## 60	1491784	97	93	NYN	NYA	NYA
## 61	934798	98	99	PHI	PHI	PHI
## 62	949878	97	100	PIT	PIT	PIT
## 63	1029773	100	100	STL	SLN	SLN
## 64	431647	96	100	WSH	WS1	WS1
## 65	1029581	93	94	BAL	BAL	BAL
## 66	1181087	106	105	BOS	BOS	BOS
## 67	1028258	109	107	BRO	BRO	BRO
## 68	1135668	101	99	CHW	CHA	CHA
## 69	670629	99	100	CHC	CHN	CHN
## 70	1070850	106	105	CIN	CIN	CIN
## 71	722256	100	99	CLE	CLE	CLE
## 72	1272346	103	102	DET	DET	DET
## 73	901067	101	104	KCA	KC1	KC1
## 74	2215404	93	90	MLN	MLN	MLN
## 75	653923	100	102	NYG	NY1	NY1
## 76	1497134	99	95	NYN	NYA	NYA
## 77	1146230	97	98	PHI	PHI	PHI
## 78	850732	97	98	PIT	PIT	PIT
## 79	1183575	102	102	STL	SLN	SLN
## 80	457079	98	102	WSH	WS1	WS1
## 81	829991	94	95	BAL	BAL	BAL
## 82	1077047	106	106	BOS	BOS	BOS
## 83	797451	99	97	CHW	CHA	CHA
## 84	979904	98	99	CHC	CHN	CHN
## 85	788582	106	105	CIN	CIN	CIN
## 86	663805	99	98	CLE	CLE	CLE
## 87	1098924	107	107	DET	DET	DET
## 88	925090	102	104	KCA	KC1	KC1
## 89	1845556	104	104	LAD	LAN	LAN
## 90	1971101	92	89	MLN	MLN	MLN
## 91	1428438	96	94	NYN	NYA	NYA
## 92	931110	99	100	PHI	PHI	PHI
## 93	1311988	97	98	PIT	PIT	PIT
## 94	1272625	98	96	SFG	SFN	SFN
## 95	1063730	104	105	STL	SLN	SLN
## 96	475288	98	101	WSH	WS1	WS1
## 97	891926	97	98	BAL	BAL	BAL
## 98	984102	104	104	BOS	BOS	BOS

## 99	1423144	99	98	CHW	CHA	CHA
## 100	858255	99	100	CHC	CHN	CHN
## 101	801298	104	103	CIN	CIN	CIN
## 102	1497976	97	96	CLE	CLE	CLE
## 103	1221221	106	105	DET	DET	DET
## 104	963683	102	104	KCA	KC1	KC1
## 105	2071045	107	107	LAD	LAN	LAN
## 106	1749112	92	90	MLN	MLN	MLN
## 107	1552030	96	94	NYY	NYA	NYA
## 108	802815	101	104	PHI	PHI	PHI
## 109	1359917	99	98	PIT	PIT	PIT
## 110	1422130	98	96	SFG	SFN	SFN
## 111	929953	106	107	STL	SLN	SLN
## 112	615372	100	102	WSH	WS1	WS1
## 113	1187849	99	98	BAL	BAL	BAL
## 114	1129866	103	103	BOS	BOS	BOS
## 115	1644460	100	98	CHW	CHA	CHA
## 116	809770	99	100	CHC	CHN	CHN
## 117	663486	102	102	CIN	CIN	CIN
## 118	950985	97	97	CLE	CLE	CLE
## 119	1167669	103	103	DET	DET	DET
## 120	774944	100	103	KCA	KC1	KC1
## 121	2253887	106	105	LAD	LAN	LAN
## 122	1497799	93	91	MLN	MLN	MLN
## 123	1627349	94	92	NYY	NYA	NYA
## 124	862205	100	103	PHI	PHI	PHI
## 125	1705828	101	100	PIT	PIT	PIT
## 126	1795356	95	93	SFG	SFN	SFN
## 127	1096632	108	109	STL	SLN	SLN
## 128	743404	101	102	WSH	WS1	WS1
## 129	951089	96	96	BAL	BAL	BAL
## 130	850589	102	103	BOS	BOS	BOS
## 131	1146019	99	97	CHW	CHA	CHA
## 132	673057	101	104	CHC	CHN	CHN
## 133	1117603	102	101	CIN	CIN	CIN
## 134	725547	97	98	CLE	CLE	CLE
## 135	1600710	103	102	DET	DET	DET
## 136	683817	101	103	KCA	KC1	KC1
## 137	603510	111	112	LAA	LAA	LAA
## 138	1804250	108	107	LAD	LAN	LAN
## 139	1256723	106	106	MIN	MIN	MIN
## 140	1101441	94	92	MLN	MLN	MLN
## 141	1747725	95	93	NYY	NYA	NYA
## 142	590039	98	101	PHI	PHI	PHI
## 143	1199128	101	99	PIT	PIT	PIT
## 144	1390679	97	95	SFG	SFN	SFN
## 145	855305	110	110	STL	SLN	SLN
## 146	597287	95	97	WSA	WS2	WS2
## 147	790254	94	93	BAL	BAL	BAL
## 148	733080	103	104	BOS	BOS	BOS
## 149	1131562	100	99	CHW	CHA	CHA
## 150	609802	104	105	CHC	CHN	CHN
## 151	982095	104	102	CIN	CIN	CIN
## 152	716076	97	97	CLE	CLE	CLE

## 153	1207881	103	102	DET	DET	DET
## 154	924456	93	95	HOU	HOU	HOU
## 155	635675	104	106	KCA	KC1	KC1
## 156	1144063	97	97	LAA	LAA	LAA
## 157	2755184	93	91	LAD	LAN	LAN
## 158	1433116	104	103	MIN	MIN	MIN
## 159	766921	97	96	MLN	MLN	MLN
## 160	1493574	97	95	NYN	NYA	NYA
## 161	922530	100	105	NYM	NYN	NYN
## 162	762034	97	98	PHI	PHI	PHI
## 163	1090648	101	100	PIT	PIT	PIT
## 164	1592594	99	96	SFG	SFN	SFN
## 165	953895	111	109	STL	SLN	SLN
## 166	729775	100	102	WSA	WS2	WS2
## 167	774343	96	95	BAL	BAL	BAL
## 168	942642	103	104	BOS	BOS	BOS
## 169	1158848	98	96	CHW	CHA	CHA
## 170	979551	106	107	CHC	CHN	CHN
## 171	858805	103	102	CIN	CIN	CIN
## 172	562507	100	100	CLE	CLE	CLE
## 173	821952	103	103	DET	DET	DET
## 174	719502	94	96	HOU	HOU	HOU
## 175	762364	106	108	KCA	KC1	KC1
## 176	821015	94	94	LAA	LAA	LAA
## 177	2538602	93	91	LAD	LAN	LAN
## 178	1406652	102	101	MIN	MIN	MIN
## 179	773018	99	98	MLN	MLN	MLN
## 180	1308920	100	97	NYN	NYA	NYA
## 181	1080108	100	105	NYM	NYN	NYN
## 182	907141	99	99	PHI	PHI	PHI
## 183	783648	101	100	PIT	PIT	PIT
## 184	1571306	99	97	SFG	SFN	SFN
## 185	1170546	110	109	STL	SLN	SLN
## 186	535604	100	103	WSA	WS2	WS2
## 187	1116215	100	99	BAL	BAL	BAL
## 188	883276	105	106	BOS	BOS	BOS
## 189	1250053	97	95	CHW	CHA	CHA
## 190	751647	104	105	CHC	CHN	CHN
## 191	862466	103	102	CIN	CIN	CIN
## 192	653293	99	99	CLE	CLE	CLE
## 193	816139	102	101	DET	DET	DET
## 194	725773	95	97	HOU	HOU	HOU
## 195	642478	104	106	KCA	KC1	KC1
## 196	760439	90	90	LAA	LAA	LAA
## 197	2228751	93	92	LAD	LAN	LAN
## 198	1207514	101	99	MIN	MIN	MIN
## 199	910911	101	100	MLN	MLN	MLN
## 200	1305638	101	100	NYN	NYA	NYA
## 201	1732597	97	100	NYM	NYN	NYN
## 202	1425891	99	98	PHI	PHI	PHI
## 203	759496	100	99	PIT	PIT	PIT
## 204	1504364	102	101	SFG	SFN	SFN
## 205	1143294	109	108	STL	SLN	SLN
## 206	600106	100	102	WSA	WS2	WS2

## 207	781649	102	101	BAL	BAL	BAL
## 208	652201	106	108	BOS	BOS	BOS
## 209	566727	97	98	CAL	CAL	CAL
## 210	1130519	93	92	CHW	CHA	CHA
## 211	641361	102	104	CHC	CHN	CHN
## 212	1047824	107	106	CIN	CIN	CIN
## 213	934786	101	101	CLE	CLE	CLE
## 214	1029645	102	101	DET	DET	DET
## 215	2151470	92	94	HOU	HOU	HOU
## 216	528344	99	101	KCA	KC1	KC1
## 217	2553577	93	92	LAD	LAN	LAN
## 218	1463258	105	103	MIN	MIN	MIN
## 219	555584	101	99	MLN	MLN	MLN
## 220	1213552	99	98	NYN	NYA	NYA
## 221	1768389	96	99	NYM	NYN	NYN
## 222	1166376	98	98	PHI	PHI	PHI
## 223	909279	101	99	PIT	PIT	PIT
## 224	1546075	104	102	SFG	SFN	SFN
## 225	1241201	110	109	STL	SLN	SLN
## 226	560083	98	100	WSA	WS2	WS2
## 227	1539801	103	102	ATL	ATL	ATL
## 228	1203366	99	98	BAL	BAL	BAL
## 229	811172	111	112	BOS	BOS	BOS
## 230	1400321	97	97	CAL	CAL	CAL
## 231	990016	93	92	CHW	CHA	CHA
## 232	635891	101	102	CHC	CHN	CHN
## 233	742958	110	109	CIN	CIN	CIN
## 234	903359	100	100	CLE	CLE	CLE
## 235	1124293	103	102	DET	DET	DET
## 236	1872108	93	94	HOU	HOU	HOU
## 237	773929	97	99	KCA	KC1	KC1
## 238	2617029	92	91	LAD	LAN	LAN
## 239	1259374	107	105	MIN	MIN	MIN
## 240	1124648	95	96	NYN	NYA	NYA
## 241	1932693	97	100	NYM	NYN	NYN
## 242	1108201	100	99	PHI	PHI	PHI
## 243	1196618	100	99	PIT	PIT	PIT
## 244	1657192	104	103	SFG	SFN	SFN
## 245	1712980	100	100	STL	SLN	SLN
## 246	576260	99	101	WSA	WS2	WS2
## 247	1389222	99	99	ATL	ATL	ATL
## 248	955053	100	98	BAL	BAL	BAL
## 249	1727832	109	109	BOS	BOS	BOS
## 250	1317713	95	96	CAL	CAL	CAL
## 251	985634	93	93	CHW	CHA	CHA
## 252	977226	105	105	CHC	CHN	CHN
## 253	958300	112	112	CIN	CIN	CIN
## 254	662980	102	102	CLE	CLE	CLE
## 255	1447143	103	101	DET	DET	DET
## 256	1348303	96	97	HOU	HOU	HOU
## 257	726639	97	99	KCA	KC1	KC1
## 258	1664362	91	91	LAD	LAN	LAN
## 259	1483547	108	107	MIN	MIN	MIN
## 260	1259514	95	96	NYN	NYA	NYA

## 261	1565492	98	100	NYM	NYN	NYN
## 262	828888	101	101	PHI	PHI	PHI
## 263	907012	100	99	PIT	PIT	PIT
## 264	1242480	100	99	SFG	SFN	SFN
## 265	2090145	99	97	STL	SLN	SLN
## 266	770868	96	97	WSA	WS2	WS2
## 267	1126540	101	101	ATL	ATL	ATL
## 268	943977	101	99	BAL	BAL	BAL
## 269	1940788	108	107	BOS	BOS	BOS
## 270	1025956	95	97	CAL	CAL	CAL
## 271	803775	106	107	CHW	CHA	CHA
## 272	1043409	107	106	CHC	CHN	CHN
## 273	733354	106	106	CIN	CIN	CIN
## 274	857994	99	100	CLE	CLE	CLE
## 275	2031847	103	101	DET	DET	DET
## 276	1312887	97	99	HOU	HOU	HOU
## 277	1581093	92	92	LAD	LAN	LAN
## 278	1143257	107	105	MIN	MIN	MIN
## 279	1185666	96	96	NYN	NYA	NYA
## 280	1781657	100	101	NYM	NYN	NYN
## 281	837466	94	94	OAK	OAK	OAK
## 282	664546	100	101	PHI	PHI	PHI
## 283	693485	98	97	PIT	PIT	PIT
## 284	837220	101	100	SFG	SFN	SFN
## 285	2011167	99	97	STL	SLN	SLN
## 286	546661	97	98	WSA	WS2	WS2
## 287	1458320	101	101	ATL	ATL	ATL
## 288	1062069	101	99	BAL	BAL	BAL
## 289	1833246	107	106	BOS	BOS	BOS
## 290	758388	94	95	CAL	CAL	CAL
## 291	589546	106	107	CHW	CHA	CHA
## 292	1674993	113	112	CHC	CHN	CHN
## 293	987991	105	105	CIN	CIN	CIN
## 294	619970	103	103	CLE	CLE	CLE
## 295	1577481	105	104	DET	DET	DET
## 296	1442995	98	98	HOU	HOU	HOU
## 297	902414	100	101	KCR	KCA	KCA
## 298	1784527	93	92	LAD	LAN	LAN
## 299	1349328	104	102	MIN	MIN	MIN
## 300	1212608	100	102	MON	MON	MON
## 301	1067996	96	96	NYN	NYA	NYA
## 302	2175373	102	101	NYM	NYN	NYN
## 303	778232	95	95	OAK	OAK	OAK
## 304	519414	98	99	PHI	PHI	PHI
## 305	769369	98	97	PIT	PIT	PIT
## 306	512970	96	98	SDP	SDN	SDN
## 307	677944	97	100	SEP	SE1	SE1
## 308	873603	99	98	SFG	SFN	SFN
## 309	1682783	100	99	STL	SLN	SLN
## 310	918106	94	95	WSA	WS2	WS2
## 311	1078848	106	106	ATL	ATL	ATL
## 312	1057069	101	98	BAL	BAL	BAL
## 313	1595278	108	107	BOS	BOS	BOS
## 314	1077741	96	97	CAL	CAL	CAL

## 315	495355	101	102	CHW	CHA	CHA
## 316	1642705	111	110	CHC	CHN	CHN
## 317	1803568	104	103	CIN	CIN	CIN
## 318	729752	104	105	CLE	CLE	CLE
## 319	1501293	101	101	DET	DET	DET
## 320	1253444	96	96	HOU	HOU	HOU
## 321	693047	99	100	KCR	KCA	KCA
## 322	1697142	95	94	LAD	LAN	LAN
## 323	1261887	103	102	MIN	MIN	MIN
## 324	933690	100	101	MIL	MIL	MIL
## 325	1424683	99	101	MON	MON	MON
## 326	1136879	95	95	NYN	NYA	NYA
## 327	2697479	100	99	NYM	NYN	NYN
## 328	778355	97	95	OAK	OAK	OAK
## 329	708247	98	99	PHI	PHI	PHI
## 330	1341947	97	96	PIT	PIT	PIT
## 331	643679	96	98	SDP	SDN	SDN
## 332	740720	100	99	SFG	SFN	SFN
## 333	1629736	103	102	STL	SLN	SLN
## 334	824789	95	95	WSA	WS2	WS2
## 335	1006320	106	107	ATL	ATL	ATL
## 336	1023037	99	97	BAL	BAL	BAL
## 337	1678732	108	108	BOS	BOS	BOS
## 338	926373	93	93	CAL	CAL	CAL
## 339	833891	104	104	CHW	CHA	CHA
## 340	1653007	113	113	CHC	CHN	CHN
## 341	1501122	95	94	CIN	CIN	CIN
## 342	591361	109	110	CLE	CLE	CLE
## 343	1591073	105	105	DET	DET	DET
## 344	1261589	98	97	HOU	HOU	HOU
## 345	910784	99	99	KCR	KCA	KCA
## 346	2064594	94	93	LAD	LAN	LAN
## 347	940858	103	102	MIN	MIN	MIN
## 348	731531	98	100	MIL	MIL	MIL
## 349	1290963	100	101	MON	MON	MON
## 350	1070771	94	94	NYN	NYA	NYA
## 351	2266680	98	98	NYM	NYN	NYN
## 352	914993	98	97	OAK	OAK	OAK
## 353	1511223	100	102	PHI	PHI	PHI
## 354	1501132	102	100	PIT	PIT	PIT
## 355	557513	93	95	SDP	SDN	SDN
## 356	1106043	99	99	SFG	SFN	SFN
## 357	1604671	104	104	STL	SLN	SLN
## 358	655156	94	95	WSA	WS2	WS2
## 359	752973	109	110	ATL	ATL	ATL
## 360	899950	103	101	BAL	BAL	BAL
## 361	1441718	106	106	BOS	BOS	BOS
## 362	744190	94	95	CAL	CAL	CAL
## 363	1177318	103	103	CHW	CHA	CHA
## 364	1299163	110	110	CHC	CHN	CHN
## 365	1611459	94	93	CIN	CIN	CIN
## 366	626354	104	106	CLE	CLE	CLE
## 367	1892386	103	103	DET	DET	DET
## 368	1469247	98	97	HOU	HOU	HOU

## 369	707656	99	98	KCR	KCA	KCA
## 370	1860858	98	97	LAD	LAN	LAN
## 371	797901	105	105	MIN	MIN	MIN
## 372	600440	97	98	MIL	MIL	MIL
## 373	1142145	101	102	MON	MON	MON
## 374	966328	97	96	NYY	NYA	NYA
## 375	2134185	97	97	NYM	NYN	NYN
## 376	921323	95	93	OAK	OAK	OAK
## 377	1343329	102	104	PHI	PHI	PHI
## 378	1427460	99	97	PIT	PIT	PIT
## 379	644273	92	95	SDP	SDN	SDN
## 380	647744	102	102	SFG	SFN	SFN
## 381	1196894	99	99	STL	SLN	SLN
## 382	662974	96	98	TEX	TEX	TEX
## 383	800655	108	108	ATL	ATL	ATL
## 384	958667	99	98	BAL	BAL	BAL
## 385	1481002	106	106	BOS	BOS	BOS
## 386	1058206	92	92	CAL	CAL	CAL
## 387	1302527	105	105	CHW	CHA	CHA
## 388	1351705	107	107	CHC	CHN	CHN
## 389	2017601	95	93	CIN	CIN	CIN
## 390	615107	103	104	CLE	CLE	CLE
## 391	1724146	106	107	DET	DET	DET
## 392	1394004	99	99	HOU	HOU	HOU
## 393	1345341	106	106	KCR	KCA	KCA
## 394	2136192	97	95	LAD	LAN	LAN
## 395	907499	104	104	MIN	MIN	MIN
## 396	1092158	97	98	MIL	MIL	MIL
## 397	1246863	103	104	MON	MON	MON
## 398	1262103	97	96	NYY	NYA	NYA
## 399	1912390	98	99	NYM	NYN	NYN
## 400	1000763	95	93	OAK	OAK	OAK
## 401	1475934	102	103	PHI	PHI	PHI
## 402	1319913	98	96	PIT	PIT	PIT
## 403	611826	91	94	SDP	SDN	SDN
## 404	834193	105	105	SFG	SFN	SFN
## 405	1574046	100	100	STL	SLN	SLN
## 406	686085	95	97	TEX	TEX	TEX
## 407	981085	104	104	ATL	ATL	ATL
## 408	962572	97	95	BAL	BAL	BAL
## 409	1556411	108	107	BOS	BOS	BOS
## 410	917269	94	94	CAL	CAL	CAL
## 411	1149596	103	104	CHW	CHA	CHA
## 412	1015378	103	105	CHC	CHN	CHN
## 413	2164307	99	97	CIN	CIN	CIN
## 414	1114262	99	100	CLE	CLE	CLE
## 415	1243080	102	104	DET	DET	DET
## 416	1090728	96	96	HOU	HOU	HOU
## 417	1173292	105	105	KCR	KCA	KCA
## 418	2632474	96	94	LAD	LAN	LAN
## 419	662401	104	104	MIN	MIN	MIN
## 420	955741	99	99	MIL	MIL	MIL
## 421	1019134	105	106	MON	MON	MON
## 422	1273075	99	98	NYY	NYA	NYA

## 423	1722209	99	99	NYM	NYN	NYN
## 424	845693	94	92	OAK	OAK	OAK
## 425	1808648	104	104	PHI	PHI	PHI
## 426	1110552	97	95	PIT	PIT	PIT
## 427	1075399	95	98	SDP	SDN	SDN
## 428	519987	105	105	SFG	SFN	SFN
## 429	1838413	100	100	STL	SLN	SLN
## 430	1193902	97	98	TEX	TEX	TEX
## 431	534672	103	104	ATL	ATL	ATL
## 432	1002157	94	93	BAL	BAL	BAL
## 433	1748587	110	109	BOS	BOS	BOS
## 434	1058163	92	93	CAL	CAL	CAL
## 435	750802	102	103	CHW	CHA	CHA
## 436	1034819	104	106	CHC	CHN	CHN
## 437	2315603	102	99	CIN	CIN	CIN
## 438	977039	99	99	CLE	CLE	CLE
## 439	1058836	104	106	DET	DET	DET
## 440	858002	93	93	HOU	HOU	HOU
## 441	1151836	103	102	KCR	KCA	KCA
## 442	2539349	96	94	LAD	LAN	LAN
## 443	737156	102	102	MIN	MIN	MIN
## 444	1213357	100	101	MIL	MIL	MIL
## 445	908292	104	106	MON	MON	MON
## 446	1288048	99	98	NYN	NYA	NYA
## 447	1730566	96	95	NYM	NYN	NYN
## 448	1075518	98	96	OAK	OAK	OAK
## 449	1909233	104	103	PHI	PHI	PHI
## 450	1270018	99	97	PIT	PIT	PIT
## 451	1281747	94	96	SDP	SDN	SDN
## 452	522919	104	105	SFG	SFN	SFN
## 453	1695270	104	105	STL	SLN	SLN
## 454	1127924	99	99	TEX	TEX	TEX
## 455	818179	106	108	ATL	ATL	ATL
## 456	1058609	94	93	BAL	BAL	BAL
## 457	1895846	113	112	BOS	BOS	BOS
## 458	1006774	93	94	CAL	CAL	CAL
## 459	914945	101	102	CHW	CHA	CHA
## 460	1026217	108	109	CHC	CHN	CHN
## 461	2629708	102	100	CIN	CIN	CIN
## 462	948776	98	98	CLE	CLE	CLE
## 463	1467020	103	105	DET	DET	DET
## 464	886146	91	91	HOU	HOU	HOU
## 465	1680265	102	100	KCR	KCA	KCA
## 466	2386301	98	97	LAD	LAN	LAN
## 467	715394	103	102	MIN	MIN	MIN
## 468	1012164	98	99	MIL	MIL	MIL
## 469	646704	105	107	MON	MON	MON
## 470	2012434	100	98	NYN	NYA	NYA
## 471	1468754	94	94	NYM	NYN	NYN
## 472	780593	95	95	OAK	OAK	OAK
## 473	2480150	104	102	PHI	PHI	PHI
## 474	1025945	100	99	PIT	PIT	PIT
## 475	1458478	92	94	SDP	SDN	SDN
## 476	626868	103	103	SFG	SFN	SFN

## 477	1207079	101	101	STL	SLN	SLN
## 478	1164982	102	102	TEX	TEX	TEX
## 479	872464	112	114	ATL	ATL	ATL
## 480	1195769	94	94	BAL	BAL	BAL
## 481	2074549	113	112	BOS	BOS	BOS
## 482	1432633	96	96	CAL	CAL	CAL
## 483	1657135	100	101	CHW	CHA	CHA
## 484	1439834	111	112	CHC	CHN	CHN
## 485	2519670	102	101	CIN	CIN	CIN
## 486	900365	96	97	CLE	CLE	CLE
## 487	1359856	105	105	DET	DET	DET
## 488	1109560	91	91	HOU	HOU	HOU
## 489	1852603	102	100	KCR	KCA	KCA
## 490	2955087	100	98	LAD	LAN	LAN
## 491	1162727	99	99	MIN	MIN	MIN
## 492	1114938	100	100	MIL	MIL	MIL
## 493	1433757	97	97	MON	MON	MON
## 494	2103092	99	97	NYY	NYA	NYA
## 495	1066825	95	95	NYM	NYN	NYN
## 496	495599	97	98	OAK	OAK	OAK
## 497	2700070	105	103	PHI	PHI	PHI
## 498	1237349	102	101	PIT	PIT	PIT
## 499	1376269	90	91	SDP	SDN	SDN
## 500	1338511	99	101	SEA	SEA	SEA
## 501	700056	99	100	SFG	SFN	SFN
## 502	1659287	99	99	STL	SLN	SLN
## 503	1250722	101	101	TEX	TEX	TEX
## 504	1701052	101	103	TOR	TOR	TOR
## 505	904494	112	114	ATL	ATL	ATL
## 506	1051724	94	93	BAL	BAL	BAL
## 507	2320643	112	110	BOS	BOS	BOS
## 508	1755386	96	96	CAL	CAL	CAL
## 509	1491100	101	102	CHW	CHA	CHA
## 510	1525311	112	112	CHC	CHN	CHN
## 511	2532497	100	100	CIN	CIN	CIN
## 512	800584	99	100	CLE	CLE	CLE
## 513	1714893	103	103	DET	DET	DET
## 514	1126145	92	92	HOU	HOU	HOU
## 515	2255493	103	102	KCR	KCA	KCA
## 516	3347845	100	98	LAD	LAN	LAN
## 517	787878	102	102	MIN	MIN	MIN
## 518	1601406	100	100	MIL	MIL	MIL
## 519	1427007	99	98	MON	MON	MON
## 520	2335871	97	96	NYY	NYA	NYA
## 521	1007328	96	97	NYM	NYN	NYN
## 522	526999	94	96	OAK	OAK	OAK
## 523	2583389	101	100	PHI	PHI	PHI
## 524	964106	105	104	PIT	PIT	PIT
## 525	1670107	91	92	SDP	SDN	SDN
## 526	877440	100	101	SEA	SEA	SEA
## 527	1740477	96	96	SFG	SFN	SFN
## 528	1278215	99	99	STL	SLN	SLN
## 529	1447963	100	100	TEX	TEX	TEX
## 530	1562585	101	104	TOR	TOR	TOR

## 531	769465	107	109	ATL	ATL	ATL
## 532	1681009	97	95	BAL	BAL	BAL
## 533	2353114	106	106	BOS	BOS	BOS
## 534	2523575	96	96	CAL	CAL	CAL
## 535	1280702	100	101	CHW	CHA	CHA
## 536	1648587	110	111	CHC	CHN	CHN
## 537	2356933	101	101	CIN	CIN	CIN
## 538	1011644	101	101	CLE	CLE	CLE
## 539	1630929	103	103	DET	DET	DET
## 540	1900312	94	94	HOU	HOU	HOU
## 541	2261845	102	101	KCR	KCA	KCA
## 542	2860954	99	98	LAD	LAN	LAN
## 543	1070521	104	104	MIN	MIN	MIN
## 544	1918343	100	99	MIL	MIL	MIL
## 545	2102173	99	98	MON	MON	MON
## 546	2537765	98	96	NYN	NYA	NYA
## 547	788905	96	97	NYM	NYN	NYN
## 548	306763	94	96	OAK	OAK	OAK
## 549	2775011	103	102	PHI	PHI	PHI
## 550	1435454	105	105	PIT	PIT	PIT
## 551	1456967	93	94	SDP	SDN	SDN
## 552	844447	102	104	SEA	SEA	SEA
## 553	1456402	93	94	SFG	SFN	SFN
## 554	1627256	102	102	STL	SLN	SLN
## 555	1519671	99	98	TEX	TEX	TEX
## 556	1431651	100	102	TOR	TOR	TOR
## 557	1048411	103	103	ATL	ATL	ATL
## 558	1797438	99	98	BAL	BAL	BAL
## 559	1956092	106	105	BOS	BOS	BOS
## 560	2297327	97	97	CAL	CAL	CAL
## 561	1200365	100	100	CHW	CHA	CHA
## 562	1206776	107	109	CHC	CHN	CHN
## 563	2022450	101	100	CIN	CIN	CIN
## 564	1033827	101	102	CLE	CLE	CLE
## 565	1785293	102	102	DET	DET	DET
## 566	2278217	92	91	HOU	HOU	HOU
## 567	2288714	100	100	KCR	KCA	KCA
## 568	3249287	99	98	LAD	LAN	LAN
## 569	769206	108	108	MIN	MIN	MIN
## 570	1857408	97	96	MIL	MIL	MIL
## 571	2208175	100	99	MON	MON	MON
## 572	2627417	98	97	NYN	NYA	NYA
## 573	1192073	97	98	NYM	NYN	NYN
## 574	842259	93	93	OAK	OAK	OAK
## 575	2651650	105	105	PHI	PHI	PHI
## 576	1646757	103	102	PIT	PIT	PIT
## 577	1139026	94	95	SDP	SDN	SDN
## 578	836204	101	103	SEA	SEA	SEA
## 579	1096115	97	98	SFG	SFN	SFN
## 580	1385147	104	103	STL	SLN	SLN
## 581	1198175	97	96	TEX	TEX	TEX
## 582	1400327	105	107	TOR	TOR	TOR
## 583	535418	102	103	ATL	ATL	ATL
## 584	1024247	100	99	BAL	BAL	BAL

## 585	1060379	107	106	BOS	BOS	BOS
## 586	1441545	100	99	CAL	CAL	CAL
## 587	946651	98	98	CHW	CHA	CHA
## 588	565637	104	106	CHC	CHN	CHN
## 589	1093730	102	102	CIN	CIN	CIN
## 590	661395	100	100	CLE	CLE	CLE
## 591	1149144	104	103	DET	DET	DET
## 592	1321282	95	94	HOU	HOU	HOU
## 593	1279403	99	98	KCR	KCA	KCA
## 594	2381292	97	96	LAD	LAN	LAN
## 595	469090	107	108	MIN	MIN	MIN
## 596	874292	95	94	MIL	MIL	MIL
## 597	1534564	101	100	MON	MON	MON
## 598	1614353	98	97	NYY	NYA	NYA
## 599	704244	98	99	NYM	NYN	NYN
## 600	1304052	95	95	OAK	OAK	OAK
## 601	1638752	104	104	PHI	PHI	PHI
## 602	541789	104	104	PIT	PIT	PIT
## 603	519161	93	94	SDP	SDN	SDN
## 604	636276	105	106	SEA	SEA	SEA
## 605	632274	98	98	SFG	SFN	SFN
## 606	1010247	103	102	STL	SLN	SLN
## 607	850076	94	94	TEX	TEX	TEX
## 608	755083	106	108	TOR	TOR	TOR
## 609	1801985	104	104	ATL	ATL	ATL
## 610	1613031	100	99	BAL	BAL	BAL
## 611	1950124	107	106	BOS	BOS	BOS
## 612	2807360	100	99	CAL	CAL	CAL
## 613	1567787	100	99	CHW	CHA	CHA
## 614	1249278	102	103	CHC	CHN	CHN
## 615	1326528	102	102	CIN	CIN	CIN
## 616	1044021	101	101	CLE	CLE	CLE
## 617	1636058	100	99	DET	DET	DET
## 618	1558555	92	92	HOU	HOU	HOU
## 619	2284464	100	100	KCR	KCA	KCA
## 620	3608881	98	97	LAD	LAN	LAN
## 621	921186	103	104	MIN	MIN	MIN
## 622	1978896	94	93	MIL	MIL	MIL
## 623	2318292	102	101	MON	MON	MON
## 624	2041219	98	97	NYY	NYA	NYA
## 625	1323036	99	101	NYM	NYN	NYN
## 626	1735489	94	95	OAK	OAK	OAK
## 627	2376394	103	102	PHI	PHI	PHI
## 628	1024106	104	104	PIT	PIT	PIT
## 629	1607516	96	96	SDP	SDN	SDN
## 630	1070404	103	105	SEA	SEA	SEA
## 631	1200948	99	99	SFG	SFN	SFN
## 632	2111906	101	101	STL	SLN	SLN
## 633	1154432	95	95	TEX	TEX	TEX
## 634	1275978	110	110	TOR	TOR	TOR
## 635	2119935	108	107	ATL	ATL	ATL
## 636	2042071	98	98	BAL	BAL	BAL
## 637	1782285	107	107	BOS	BOS	BOS
## 638	2555016	99	99	CAL	CAL	CAL

## 639	2132821	104	103	CHW	CHA	CHA
## 640	1479717	104	104	CHC	CHN	CHN
## 641	1190419	103	104	CIN	CIN	CIN
## 642	768941	104	105	CLE	CLE	CLE
## 643	1829636	97	96	DET	DET	DET
## 644	1351962	93	93	HOU	HOU	HOU
## 645	1963875	100	100	KCR	KCA	KCA
## 646	3510313	99	99	LAD	LAN	LAN
## 647	858939	104	105	MIN	MIN	MIN
## 648	2397131	93	92	MIL	MIL	MIL
## 649	2320651	99	99	MON	MON	MON
## 650	2257976	96	95	NYY	NYA	NYA
## 651	1112774	99	100	NYM	NYN	NYN
## 652	1294941	93	94	OAK	OAK	OAK
## 653	2128339	99	99	PHI	PHI	PHI
## 654	1225916	103	102	PIT	PIT	PIT
## 655	1539815	97	97	SDP	SDN	SDN
## 656	813537	104	105	SEA	SEA	SEA
## 657	1251530	97	98	SFG	SFN	SFN
## 658	2317914	101	100	STL	SLN	SLN
## 659	1363469	97	98	TEX	TEX	TEX
## 660	1930415	106	106	TOR	TOR	TOR
## 661	1724892	107	107	ATL	ATL	ATL
## 662	2045784	98	97	BAL	BAL	BAL
## 663	1661618	105	105	BOS	BOS	BOS
## 664	2402997	100	100	CAL	CAL	CAL
## 665	2136988	105	104	CHW	CHA	CHA
## 666	2107655	108	108	CHC	CHN	CHN
## 667	1275887	104	105	CIN	CIN	CIN
## 668	734079	102	103	CLE	CLE	CLE
## 669	2704794	100	98	DET	DET	DET
## 670	1229862	92	92	HOU	HOU	HOU
## 671	1810018	100	101	KCR	KCA	KCA
## 672	3134824	98	98	LAD	LAN	LAN
## 673	1598692	104	105	MIN	MIN	MIN
## 674	1608509	96	97	MIL	MIL	MIL
## 675	1606531	96	96	MON	MON	MON
## 676	1821815	96	95	NYY	NYA	NYA
## 677	1842695	99	99	NYM	NYN	NYN
## 678	1353281	93	93	OAK	OAK	OAK
## 679	2062693	102	101	PHI	PHI	PHI
## 680	773500	101	101	PIT	PIT	PIT
## 681	1983904	100	100	SDP	SDN	SDN
## 682	870372	98	100	SEA	SEA	SEA
## 683	1001545	97	98	SFG	SFN	SFN
## 684	2037448	98	98	STL	SLN	SLN
## 685	1102471	103	104	TEX	TEX	TEX
## 686	2110009	104	103	TOR	TOR	TOR
## 687	1350137	105	106	ATL	ATL	ATL
## 688	2132387	97	97	BAL	BAL	BAL
## 689	1786633	104	104	BOS	BOS	BOS
## 690	2567427	100	100	CAL	CAL	CAL
## 691	1669888	104	104	CHW	CHA	CHA
## 692	2161534	110	110	CHC	CHN	CHN

## 693	1834619	104	105	CIN	CIN	CIN
## 694	655181	99	100	CLE	CLE	CLE
## 695	2286609	100	98	DET	DET	DET
## 696	1184314	97	96	HOU	HOU	HOU
## 697	2162717	100	100	KCR	KCA	KCA
## 698	3264593	97	96	LAD	LAN	LAN
## 699	1651814	105	105	MIN	MIN	MIN
## 700	1360265	100	101	MIL	MIL	MIL
## 701	1502494	95	95	MON	MON	MON
## 702	2214587	98	97	NYN	NYA	NYA
## 703	2761601	99	97	NYM	NYN	NYN
## 704	1334599	92	92	OAK	OAK	OAK
## 705	1830350	103	103	PHI	PHI	PHI
## 706	735900	99	100	PIT	PIT	PIT
## 707	2210352	99	99	SDP	SDN	SDN
## 708	1128696	100	101	SEA	SEA	SEA
## 709	818697	95	96	SFG	SFN	SFN
## 710	2637563	100	99	STL	SLN	SLN
## 711	1112497	101	102	TEX	TEX	TEX
## 712	2468925	104	103	TOR	TOR	TOR
## 713	1387181	105	106	ATL	ATL	ATL
## 714	1973176	98	99	BAL	BAL	BAL
## 715	2147641	101	100	BOS	BOS	BOS
## 716	2655872	99	99	CAL	CAL	CAL
## 717	1424313	104	104	CHW	CHA	CHA
## 718	1859102	107	108	CHC	CHN	CHN
## 719	1692432	104	104	CIN	CIN	CIN
## 720	1471805	98	99	CLE	CLE	CLE
## 721	1899437	100	99	DET	DET	DET
## 722	1734276	97	96	HOU	HOU	HOU
## 723	2320794	102	101	KCR	KCA	KCA
## 724	3023208	93	93	LAD	LAN	LAN
## 725	1255453	102	102	MIN	MIN	MIN
## 726	1265041	103	104	MIL	MIL	MIL
## 727	1128981	100	100	MON	MON	MON
## 728	2268030	99	98	NYN	NYA	NYA
## 729	2767601	98	96	NYM	NYN	NYN
## 730	1314646	92	92	OAK	OAK	OAK
## 731	1933335	104	104	PHI	PHI	PHI
## 732	1000917	102	103	PIT	PIT	PIT
## 733	1805716	98	98	SDP	SDN	SDN
## 734	1029045	100	101	SEA	SEA	SEA
## 735	1528748	95	95	SFG	SFN	SFN
## 736	2471974	100	99	STL	SLN	SLN
## 737	1692002	102	103	TEX	TEX	TEX
## 738	2455477	103	102	TOR	TOR	TOR
## 739	1217402	104	106	ATL	ATL	ATL
## 740	1835692	97	98	BAL	BAL	BAL
## 741	2231551	103	102	BOS	BOS	BOS
## 742	2696299	97	97	CAL	CAL	CAL
## 743	1208060	103	103	CHW	CHA	CHA
## 744	2035130	103	104	CHC	CHN	CHN
## 745	2185205	104	103	CIN	CIN	CIN
## 746	1077898	100	101	CLE	CLE	CLE

## 747	2061830	96	95	DET	DET	DET
## 748	1909902	96	96	HOU	HOU	HOU
## 749	2392471	102	102	KCR	KCA	KCA
## 750	2797409	98	98	LAD	LAN	LAN
## 751	2081976	103	103	MIN	MIN	MIN
## 752	1909244	103	103	MIL	MIL	MIL
## 753	1850324	103	103	MON	MON	MON
## 754	2427672	99	99	NYN	NYA	NYA
## 755	3034129	95	93	NYM	NYN	NYN
## 756	1678921	93	93	OAK	OAK	OAK
## 757	2100110	103	104	PHI	PHI	PHI
## 758	1161193	100	100	PIT	PIT	PIT
## 759	1454061	96	97	SDP	SDN	SDN
## 760	1134255	105	106	SEA	SEA	SEA
## 761	1917168	96	95	SFG	SFN	SFN
## 762	3072122	102	102	STL	SLN	SLN
## 763	1763053	100	101	TEX	TEX	TEX
## 764	2778429	102	101	TOR	TOR	TOR
## 765	848089	104	106	ATL	ATL	ATL
## 766	1660738	97	98	BAL	BAL	BAL
## 767	2464851	105	104	BOS	BOS	BOS
## 768	2340925	97	97	CAL	CAL	CAL
## 769	1115749	100	100	CHW	CHA	CHA
## 770	2089034	105	105	CHC	CHN	CHN
## 771	2072528	104	104	CIN	CIN	CIN
## 772	1411610	102	103	CLE	CLE	CLE
## 773	2081162	97	97	DET	DET	DET
## 774	1933505	96	96	HOU	HOU	HOU
## 775	2350181	101	101	KCR	KCA	KCA
## 776	2980262	98	97	LAD	LAN	LAN
## 777	3030672	103	102	MIN	MIN	MIN
## 778	1923238	101	100	MIL	MIL	MIL
## 779	1478659	104	104	MON	MON	MON
## 780	2633701	99	100	NYN	NYA	NYA
## 781	3055445	95	94	NYM	NYN	NYN
## 782	2287335	97	96	OAK	OAK	OAK
## 783	1990041	101	103	PHI	PHI	PHI
## 784	1866713	98	98	PIT	PIT	PIT
## 785	1506896	99	99	SDP	SDN	SDN
## 786	1022398	104	105	SEA	SEA	SEA
## 787	1785297	96	95	SFG	SFN	SFN
## 788	2892799	101	101	STL	SLN	SLN
## 789	1581901	102	103	TEX	TEX	TEX
## 790	2595175	100	99	TOR	TOR	TOR
## 791	984930	102	104	ATL	ATL	ATL
## 792	2535208	96	97	BAL	BAL	BAL
## 793	2510012	107	106	BOS	BOS	BOS
## 794	2647291	98	98	CAL	CAL	CAL
## 795	1045651	97	98	CHW	CHA	CHA
## 796	2491942	108	108	CHC	CHN	CHN
## 797	1979320	104	103	CIN	CIN	CIN
## 798	1285542	101	102	CLE	CLE	CLE
## 799	1543656	98	99	DET	DET	DET
## 800	1834908	97	97	HOU	HOU	HOU

## 801	2477700	100	100	KCR	KCA	KCA
## 802	2944653	99	98	LAD	LAN	LAN
## 803	2277438	107	107	MIN	MIN	MIN
## 804	1970735	99	99	MIL	MIL	MIL
## 805	1783533	102	101	MON	MON	MON
## 806	2170485	99	99	NYY	NYA	NYA
## 807	2918710	95	93	NYM	NYN	NYN
## 808	2667225	97	95	OAK	OAK	OAK
## 809	1861985	99	101	PHI	PHI	PHI
## 810	1374141	96	96	PIT	PIT	PIT
## 811	2009031	101	101	SDP	SDN	SDN
## 812	1298443	103	104	SEA	SEA	SEA
## 813	2059701	97	96	SFG	SFN	SFN
## 814	3080980	103	103	STL	SLN	SLN
## 815	2043993	102	102	TEX	TEX	TEX
## 816	3375883	94	94	TOR	TOR	TOR
## 817	980129	105	106	ATL	ATL	ATL
## 818	2415189	97	98	BAL	BAL	BAL
## 819	2528986	105	105	BOS	BOS	BOS
## 820	2555688	97	97	CAL	CAL	CAL
## 821	2002357	98	98	CHW	CHA	CHA
## 822	2243791	108	108	CHC	CHN	CHN
## 823	2400892	105	105	CIN	CIN	CIN
## 824	1225240	100	100	CLE	CLE	CLE
## 825	1495785	101	102	DET	DET	DET
## 826	1310927	97	98	HOU	HOU	HOU
## 827	2244956	98	98	KCR	KCA	KCA
## 828	3002396	98	97	LAD	LAN	LAN
## 829	1751584	107	107	MIN	MIN	MIN
## 830	1752900	99	99	MIL	MIL	MIL
## 831	1373087	96	96	MON	MON	MON
## 832	2006436	100	102	NYY	NYA	NYA
## 833	2732745	100	99	NYM	NYN	NYN
## 834	2900217	96	95	OAK	OAK	OAK
## 835	1992484	99	100	PHI	PHI	PHI
## 836	2049908	96	95	PIT	PIT	PIT
## 837	1856396	101	101	SDP	SDN	SDN
## 838	1509727	101	101	SEA	SEA	SEA
## 839	1975528	96	96	SFG	SFN	SFN
## 840	2573225	100	100	STL	SLN	SLN
## 841	2057911	100	101	TEX	TEX	TEX
## 842	3885284	106	105	TOR	TOR	TOR
## 843	2140217	106	106	ATL	ATL	ATL
## 844	2552753	96	97	BAL	BAL	BAL
## 845	2562435	105	105	BOS	BOS	BOS
## 846	2416236	99	100	CAL	CAL	CAL
## 847	2934154	98	97	CHW	CHA	CHA
## 848	2314250	104	105	CHC	CHN	CHN
## 849	2372377	104	104	CIN	CIN	CIN
## 850	1051863	101	102	CLE	CLE	CLE
## 851	1641661	102	102	DET	DET	DET
## 852	1196152	93	94	HOU	HOU	HOU
## 853	2161537	100	101	KCR	KCA	KCA
## 854	3348170	98	97	LAD	LAN	LAN

## 855	2293842	105	104	MIN	MIN	MIN
## 856	1478729	98	98	MIL	MIL	MIL
## 857	934742	99	99	MON	MON	MON
## 858	1863733	100	101	NYN	NYA	NYA
## 859	2284484	99	99	NYM	NYN	NYN
## 860	2713493	94	93	OAK	OAK	OAK
## 861	2050012	99	99	PHI	PHI	PHI
## 862	2065302	99	98	PIT	PIT	PIT
## 863	1804289	103	103	SDP	SDN	SDN
## 864	2147905	100	100	SEA	SEA	SEA
## 865	1737478	96	97	SFG	SFN	SFN
## 866	2448699	100	100	STL	SLN	SLN
## 867	2297720	98	99	TEX	TEX	TEX
## 868	4001527	104	103	TOR	TOR	TOR
## 869	3077400	107	105	ATL	ATL	ATL
## 870	3567819	102	101	BAL	BAL	BAL
## 871	2468574	106	107	BOS	BOS	BOS
## 872	2065444	100	101	CAL	CAL	CAL
## 873	2681156	99	99	CHW	CHA	CHA
## 874	2126720	102	103	CHC	CHN	CHN
## 875	2315946	103	103	CIN	CIN	CIN
## 876	1224094	99	100	CLE	CLE	CLE
## 877	1423963	101	100	DET	DET	DET
## 878	1211412	95	95	HOU	HOU	HOU
## 879	1867689	102	103	KCR	KCA	KCA
## 880	2473266	99	99	LAD	LAN	LAN
## 881	2482428	103	102	MIN	MIN	MIN
## 882	1857351	99	98	MIL	MIL	MIL
## 883	1669127	99	99	MON	MON	MON
## 884	1748737	100	100	NYN	NYA	NYA
## 885	1779534	99	99	NYM	NYN	NYN
## 886	2494160	94	95	OAK	OAK	OAK
## 887	1927448	100	100	PHI	PHI	PHI
## 888	1829395	99	98	PIT	PIT	PIT
## 889	1721406	101	102	SDP	SDN	SDN
## 890	1651367	100	100	SEA	SEA	SEA
## 891	1560998	94	94	SFG	SFN	SFN
## 892	2418483	97	97	STL	SLN	SLN
## 893	2198231	97	97	TEX	TEX	TEX
## 894	4028318	105	104	TOR	TOR	TOR
## 895	3884720	101	100	ATL	ATL	ATL
## 896	3644965	104	103	BAL	BAL	BAL
## 897	2422021	106	107	BOS	BOS	BOS
## 898	2057460	103	104	CAL	CAL	CAL
## 899	2581091	98	97	CHW	CHA	CHA
## 900	2653763	98	98	CHC	CHN	CHN
## 901	2453232	101	100	CIN	CIN	CIN
## 902	2177908	100	101	CLE	CLE	CLE
## 903	4483350	117	118	COL	COL	COL
## 904	1971421	99	99	DET	DET	DET
## 905	3064847	104	106	FLA	FLO	FLO
## 906	2084618	96	96	HOU	HOU	HOU
## 907	1934578	106	106	KCR	KCA	KCA
## 908	3170393	95	95	LAD	LAN	LAN

## 909	2048673	100	100	MIN	MIN	MIN
## 910	1688080	99	99	MIL	MIL	MIL
## 911	1641437	105	104	MON	MON	MON
## 912	2416942	97	96	NYY	NYA	NYA
## 913	1873183	99	100	NYM	NYN	NYN
## 914	2035025	94	94	OAK	OAK	OAK
## 915	3137674	99	98	PHI	PHI	PHI
## 916	1650593	99	100	PIT	PIT	PIT
## 917	1375432	102	102	SDP	SDN	SDN
## 918	2052638	101	102	SEA	SEA	SEA
## 919	2606354	97	96	SFG	SFN	SFN
## 920	2844977	98	98	STL	SLN	SLN
## 921	2244616	96	96	TEX	TEX	TEX
## 922	4057947	101	100	TOR	TOR	TOR
## 923	2539240	102	100	ATL	ATL	ATL
## 924	2535359	105	104	BAL	BAL	BAL
## 925	1775818	105	105	BOS	BOS	BOS
## 926	1512622	101	101	CAL	CAL	CAL
## 927	1697398	99	98	CHW	CHA	CHA
## 928	1845208	99	99	CHC	CHN	CHN
## 929	1897681	99	99	CIN	CIN	CIN
## 930	1995174	99	97	CLE	CLE	CLE
## 931	3281511	117	118	COL	COL	COL
## 932	1184783	101	101	DET	DET	DET
## 933	1937467	102	103	FLA	FLO	FLO
## 934	1561136	95	94	HOU	HOU	HOU
## 935	1400494	104	104	KCR	KCA	KCA
## 936	2279355	94	94	LAD	LAN	LAN
## 937	1398565	100	102	MIN	MIN	MIN
## 938	1268399	104	105	MIL	MIL	MIL
## 939	1276250	101	101	MON	MON	MON
## 940	1675556	97	96	NYY	NYA	NYA
## 941	1151471	99	99	NYM	NYN	NYN
## 942	1242692	91	92	OAK	OAK	OAK
## 943	2290971	102	102	PHI	PHI	PHI
## 944	1222520	101	102	PIT	PIT	PIT
## 945	953857	97	98	SDP	SDN	SDN
## 946	1104206	102	102	SEA	SEA	SEA
## 947	1704608	94	94	SFG	SFN	SFN
## 948	1866544	98	99	STL	SLN	SLN
## 949	2503198	100	101	TEX	TEX	TEX
## 950	2907933	100	100	TOR	TOR	TOR
## 951	2561831	103	102	ATL	ATL	ATL
## 952	3098475	102	101	BAL	BAL	BAL
## 953	2164410	103	103	BOS	BOS	BOS
## 954	1748680	99	99	CAL	CAL	CAL
## 955	1609773	96	95	CHW	CHA	CHA
## 956	1918265	98	98	CHC	CHN	CHN
## 957	1837649	100	99	CIN	CIN	CIN
## 958	2842745	101	99	CLE	CLE	CLE
## 959	3390037	129	129	COL	COL	COL
## 960	1180979	100	101	DET	DET	DET
## 961	1700466	101	101	FLA	FLO	FLO
## 962	1363801	93	93	HOU	HOU	HOU

## 963	1233530	101	101	KCR	KCA	KCA
## 964	2766251	91	91	LAD	LAN	LAN
## 965	1057667	101	102	MIN	MIN	MIN
## 966	1087560	105	105	MIL	MIL	MIL
## 967	1309618	104	103	MON	MON	MON
## 968	1705263	99	98	NYY	NYA	NYA
## 969	1273183	96	97	NYM	NYN	NYN
## 970	1174310	91	91	OAK	OAK	OAK
## 971	2043598	100	101	PHI	PHI	PHI
## 972	905517	102	103	PIT	PIT	PIT
## 973	1041805	97	97	SDP	SDN	SDN
## 974	1643203	101	101	SEA	SEA	SEA
## 975	1241500	96	97	SFG	SFN	SFN
## 976	1756727	99	100	STL	SLN	SLN
## 977	1985910	103	103	TEX	TEX	TEX
## 978	2826483	99	100	TOR	TOR	TOR
## 979	2901242	106	104	ATL	ATL	ATL
## 980	3646950	100	99	BAL	BAL	BAL
## 981	2315231	101	101	BOS	BOS	BOS
## 982	1820521	98	98	CAL	CAL	CAL
## 983	1676403	95	95	CHW	CHA	CHA
## 984	2219110	103	103	CHC	CHN	CHN
## 985	1861428	101	101	CIN	CIN	CIN
## 986	3318174	99	98	CLE	CLE	CLE
## 987	3891014	123	124	COL	COL	COL
## 988	1168610	100	102	DET	DET	DET
## 989	1746767	97	97	FLA	FLO	FLO
## 990	1975888	92	92	HOU	HOU	HOU
## 991	1435997	99	100	KCR	KCA	KCA
## 992	3188454	93	92	LAD	LAN	LAN
## 993	1437352	101	102	MIN	MIN	MIN
## 994	1327155	104	104	MIL	MIL	MIL
## 995	1616709	102	102	MON	MON	MON
## 996	2250877	101	100	NYY	NYA	NYA
## 997	1588323	95	95	NYM	NYN	NYN
## 998	1148380	101	102	OAK	OAK	OAK
## 999	1801677	100	101	PHI	PHI	PHI
## 1000	1332150	104	104	PIT	PIT	PIT
## 1001	2187886	95	95	SDP	SDN	SDN
## 1002	2723850	100	99	SEA	SEA	SEA
## 1003	1413922	95	96	SFG	SFN	SFN
## 1004	2654718	100	100	STL	SLN	SLN
## 1005	2889020	105	105	TEX	TEX	TEX
## 1006	2559573	99	100	TOR	TOR	TOR
## 1007	1767330	102	102	ANA	ANA	ANA
## 1008	3464488	102	99	ATL	ATL	ATL
## 1009	3711132	97	96	BAL	BAL	BAL
## 1010	2226136	102	102	BOS	BOS	BOS
## 1011	1864782	96	96	CHW	CHA	CHA
## 1012	2190308	102	102	CHC	CHN	CHN
## 1013	1785788	102	102	CIN	CIN	CIN
## 1014	3404750	103	102	CLE	CLE	CLE
## 1015	3888453	122	123	COL	COL	COL
## 1016	1365157	99	100	DET	DET	DET

## 1017	2364387	95	96	FLA	FLO	FLO
## 1018	2046781	96	95	HOU	HOU	HOU
## 1019	1517638	101	102	KCR	KCA	KCA
## 1020	3319504	93	92	LAD	LAN	LAN
## 1021	1411064	101	101	MIN	MIN	MIN
## 1022	1444027	101	102	MIL	MIL	MIL
## 1023	1497609	99	99	MON	MON	MON
## 1024	2580325	100	98	NYY	NYA	NYA
## 1025	1766174	97	97	NYM	NYN	NYN
## 1026	1264218	96	97	OAK	OAK	OAK
## 1027	1490638	100	101	PHI	PHI	PHI
## 1028	1657022	103	103	PIT	PIT	PIT
## 1029	2089333	93	93	SDP	SDN	SDN
## 1030	3192237	98	98	SEA	SEA	SEA
## 1031	1690869	98	98	SFG	SFN	SFN
## 1032	2634014	99	99	STL	SLN	SLN
## 1033	2945228	105	105	TEX	TEX	TEX
## 1034	2589297	99	99	TOR	TOR	TOR
## 1035	2519280	102	102	ANA	ANA	ANA
## 1036	3610290	100	99	ARI	ARI	ARI
## 1037	3360860	100	98	ATL	ATL	ATL
## 1038	3684650	98	97	BAL	BAL	BAL
## 1039	2314704	102	101	BOS	BOS	BOS
## 1040	1391146	98	98	CHW	CHA	CHA
## 1041	2623194	103	103	CHC	CHN	CHN
## 1042	1793649	102	102	CIN	CIN	CIN
## 1043	3467299	103	102	CLE	CLE	CLE
## 1044	3792683	121	122	COL	COL	COL
## 1045	1409391	100	101	DET	DET	DET
## 1046	1730384	94	95	FLA	FLO	FLO
## 1047	2458451	98	97	HOU	HOU	HOU
## 1048	1494875	101	102	KCR	KCA	KCA
## 1049	3089222	95	95	LAD	LAN	LAN
## 1050	1811593	100	101	MIL	ML4	MIL
## 1051	1165976	101	102	MIN	MIN	MIN
## 1052	914909	98	99	MON	MON	MON
## 1053	2955193	97	95	NYY	NYA	NYA
## 1054	2287948	99	99	NYM	NYN	NYN
## 1055	1232343	96	97	OAK	OAK	OAK
## 1056	1715722	102	103	PHI	PHI	PHI
## 1057	1560950	102	103	PIT	PIT	PIT
## 1058	2555874	92	92	SDP	SDN	SDN
## 1059	2651511	99	99	SEA	SEA	SEA
## 1060	1925364	95	95	SFG	SFN	SFN
## 1061	3195691	100	100	STL	SLN	SLN
## 1062	2506293	101	102	TBD	TBA	TBA
## 1063	2927399	104	103	TEX	TEX	TEX
## 1064	2454303	100	99	TOR	TOR	TOR
## 1065	2253123	99	100	ANA	ANA	ANA
## 1066	3019654	101	101	ARI	ARI	ARI
## 1067	3284897	100	98	ATL	ATL	ATL
## 1068	3433150	96	96	BAL	BAL	BAL
## 1069	2446162	104	103	BOS	BOS	BOS
## 1070	1338851	101	101	CHW	CHA	CHA

## 1071	2813854	97	98	CHC	CHN	CHN
## 1072	2061222	103	103	CIN	CIN	CIN
## 1073	3468456	104	103	CLE	CLE	CLE
## 1074	3481065	127	127	COL	COL	COL
## 1075	2026441	99	101	DET	DET	DET
## 1076	1369421	93	95	FLA	FLO	FLO
## 1077	2706017	100	98	HOU	HOU	HOU
## 1078	1506068	102	103	KCR	KCA	KCA
## 1079	3095346	95	94	LAD	LAN	LAN
## 1080	1701796	99	99	MIL	ML4	MIL
## 1081	1202829	103	104	MIN	MIN	MIN
## 1082	773277	97	98	MON	MON	MON
## 1083	3292736	98	97	NYY	NYA	NYA
## 1084	2725668	98	97	NYM	NYN	NYN
## 1085	1434610	94	94	OAK	OAK	OAK
## 1086	1825337	105	105	PHI	PHI	PHI
## 1087	1638023	101	101	PIT	PIT	PIT
## 1088	2523538	92	92	SDP	SDN	SDN
## 1089	2916346	102	103	SEA	SEA	SEA
## 1090	2078399	95	94	SFG	SFN	SFN
## 1091	3225334	101	101	STL	SLN	SLN
## 1092	1562827	100	102	TBD	TBA	TBA
## 1093	2771469	105	105	TEX	TEX	TEX
## 1094	2163464	101	101	TOR	TOR	TOR
## 1095	2066982	102	103	ANA	ANA	ANA
## 1096	2942251	105	103	ARI	ARI	ARI
## 1097	3234304	101	99	ATL	ATL	ATL
## 1098	3297031	95	96	BAL	BAL	BAL
## 1099	2585895	104	103	BOS	BOS	BOS
## 1100	1947799	102	102	CHW	CHA	CHA
## 1101	2789511	97	98	CHC	CHN	CHN
## 1102	2577371	102	102	CIN	CIN	CIN
## 1103	3456278	101	100	CLE	CLE	CLE
## 1104	3295129	125	125	COL	COL	COL
## 1105	2438617	95	95	DET	DET	DET
## 1106	1218326	94	95	FLA	FLO	FLO
## 1107	3056139	107	107	HOU	HOU	HOU
## 1108	1564847	103	103	KCR	KCA	KCA
## 1109	2880242	94	94	LAD	LAN	LAN
## 1110	1573621	97	98	MIL	ML4	MIL
## 1111	1000760	104	105	MIN	MIN	MIN
## 1112	926272	103	104	MON	MON	MON
## 1113	3055435	99	98	NYY	NYA	NYA
## 1114	2820530	96	96	NYM	NYN	NYN
## 1115	1603744	96	95	OAK	OAK	OAK
## 1116	1612769	100	101	PHI	PHI	PHI
## 1117	1748908	99	100	PIT	PIT	PIT
## 1118	2352443	92	92	SDP	SDN	SDN
## 1119	2914624	95	93	SEA	SEA	SEA
## 1120	3318800	93	92	SFG	SFN	SFN
## 1121	3336493	102	101	STL	SLN	SLN
## 1122	1449673	99	100	TBD	TBA	TBA
## 1123	2588401	102	102	TEX	TEX	TEX
## 1124	1705712	103	103	TOR	TOR	TOR

## 1125	2000919	101	101	ANA	ANA	ANA
## 1126	2736451	108	107	ARI	ARI	ARI
## 1127	2823530	103	102	ATL	ATL	ATL
## 1128	3094841	95	96	BAL	BAL	BAL
## 1129	2625333	102	101	BOS	BOS	BOS
## 1130	1766172	104	103	CHW	CHA	CHA
## 1131	2779465	95	95	CHC	CHN	CHN
## 1132	1879757	105	105	CIN	CIN	CIN
## 1133	3175523	100	100	CLE	CLE	CLE
## 1134	3166821	122	122	COL	COL	COL
## 1135	1921305	93	95	DET	DET	DET
## 1136	1261226	97	97	FLA	FLO	FLO
## 1137	2904277	107	106	HOU	HOU	HOU
## 1138	1536371	107	108	KCR	KCA	KCA
## 1139	3017143	92	91	LAD	LAN	LAN
## 1140	2811041	98	99	MIL	ML4	MIL
## 1141	1782929	102	102	MIN	MIN	MIN
## 1142	642745	101	102	MON	MON	MON
## 1143	3264907	102	100	NYN	NYA	NYA
## 1144	2658330	96	96	NYM	NYN	NYN
## 1145	2133277	99	97	OAK	OAK	OAK
## 1146	1782054	98	98	PHI	PHI	PHI
## 1147	2464870	103	105	PIT	PIT	PIT
## 1148	2378128	91	92	SDP	SDN	SDN
## 1149	3507326	94	93	SEA	SEA	SEA
## 1150	3311958	93	92	SFG	SFN	SFN
## 1151	3109578	100	99	STL	SLN	SLN
## 1152	1298365	98	100	TBD	TBA	TBA
## 1153	2831021	104	105	TEX	TEX	TEX
## 1154	1915438	102	103	TOR	TOR	TOR
## 1155	2305547	100	99	ANA	ANA	ANA
## 1156	3198977	111	111	ARI	ARI	ARI
## 1157	2603484	102	101	ATL	ATL	ATL
## 1158	2682439	95	96	BAL	BAL	BAL
## 1159	2650862	103	102	BOS	BOS	BOS
## 1160	1676911	102	101	CHW	CHA	CHA
## 1161	2693096	98	98	CHC	CHN	CHN
## 1162	1855787	104	105	CIN	CIN	CIN
## 1163	2616940	97	98	CLE	CLE	CLE
## 1164	2737838	116	116	COL	COL	COL
## 1165	1503623	92	95	DET	DET	DET
## 1166	813118	97	98	FLA	FLO	FLO
## 1167	2517357	106	105	HOU	HOU	HOU
## 1168	1323036	110	111	KCR	KCA	KCA
## 1169	3131255	92	92	LAD	LAN	LAN
## 1170	1969153	98	99	MIL	ML4	MIL
## 1171	1924473	100	100	MIN	MIN	MIN
## 1172	812045	103	103	MON	MON	MON
## 1173	3465807	100	99	NYN	NYA	NYA
## 1174	2804838	97	97	NYM	NYN	NYN
## 1175	2169811	98	97	OAK	OAK	OAK
## 1176	1618467	94	94	PHI	PHI	PHI
## 1177	1784988	102	103	PIT	PIT	PIT
## 1178	2220601	90	91	SDP	SDN	SDN

## 1179	3542938	97	95	SEA	SEA	SEA
## 1180	3253203	95	94	SFG	SFN	SFN
## 1181	3011756	98	97	STL	SLN	SLN
## 1182	1065742	97	99	TBD	TBA	TBA
## 1183	2352397	106	107	TEX	TEX	TEX
## 1184	1637900	104	104	TOR	TOR	TOR
## 1185	3061094	98	97	ANA	ANA	ANA
## 1186	2805542	108	109	ARI	ARI	ARI
## 1187	2401084	101	100	ATL	ATL	ATL
## 1188	2454523	99	99	BAL	BAL	BAL
## 1189	2724165	105	103	BOS	BOS	BOS
## 1190	1939524	102	102	CHW	CHA	CHA
## 1191	2962630	101	101	CHC	CHN	CHN
## 1192	2355259	95	96	CIN	CIN	CIN
## 1193	1730002	96	97	CLE	CLE	CLE
## 1194	2334085	115	116	COL	COL	COL
## 1195	1368245	93	95	DET	DET	DET
## 1196	1303215	98	98	FLA	FLO	FLO
## 1197	2454241	103	102	HOU	HOU	HOU
## 1198	1779895	107	108	KCR	KCA	KCA
## 1199	3138626	94	94	LAD	LAN	LAN
## 1200	1700354	98	100	MIL	ML4	MIL
## 1201	1946011	101	100	MIN	MIN	MIN
## 1202	1025639	105	105	MON	MON	MON
## 1203	3465600	98	97	NYN	NYA	NYA
## 1204	2140599	97	98	NYM	NYN	NYN
## 1205	2216596	99	98	OAK	OAK	OAK
## 1206	2259948	93	93	PHI	PHI	PHI
## 1207	1636751	102	102	PIT	PIT	PIT
## 1208	2030084	91	92	SDP	SDN	SDN
## 1209	3268509	95	95	SEA	SEA	SEA
## 1210	3264898	99	98	SFG	SFN	SFN
## 1211	2910386	97	96	STL	SLN	SLN
## 1212	1058695	95	97	TBD	TBA	TBA
## 1213	2094394	111	111	TEX	TEX	TEX
## 1214	1799458	104	104	TOR	TOR	TOR
## 1215	3375677	97	97	ANA	ANA	ANA
## 1216	2519560	105	107	ARI	ARI	ARI
## 1217	2327565	101	100	ATL	ATL	ATL
## 1218	2744018	98	99	BAL	BAL	BAL
## 1219	2837294	106	105	BOS	BOS	BOS
## 1220	1930537	102	102	CHW	CHA	CHA
## 1221	3170154	103	102	CHC	CHN	CHN
## 1222	2287250	98	99	CIN	CIN	CIN
## 1223	1814401	94	94	CLE	CLE	CLE
## 1224	2338069	113	114	COL	COL	COL
## 1225	1917004	95	96	DET	DET	DET
## 1226	1723105	95	95	FLA	FLO	FLO
## 1227	3087872	102	101	HOU	HOU	HOU
## 1228	1661478	102	103	KCR	KCA	KCA
## 1229	3488283	95	95	LAD	LAN	LAN
## 1230	2062382	100	101	MIL	ML4	MIL
## 1231	1911490	103	102	MIN	MIN	MIN
## 1232	749550	105	105	MON	MON	MON

## 1233	3775292	98	97	NYY	NYA	NYA
## 1234	2318951	99	99	NYM	NYN	NYN
## 1235	2201516	99	98	OAK	OAK	OAK
## 1236	3250092	105	104	PHI	PHI	PHI
## 1237	1580031	99	100	PIT	PIT	PIT
## 1238	3016752	90	90	SDP	SDN	SDN
## 1239	2940731	97	98	SEA	SEA	SEA
## 1240	3256854	101	101	SFG	SFN	SFN
## 1241	3048427	100	99	STL	SLN	SLN
## 1242	1274911	96	98	TBD	TBA	TBA
## 1243	2513685	108	109	TEX	TEX	TEX
## 1244	1900041	104	104	TOR	TOR	TOR
## 1245	2059424	103	105	ARI	ARI	ARI
## 1246	2521167	101	100	ATL	ATL	ATL
## 1247	2624740	99	99	BAL	BAL	BAL
## 1248	2847888	104	104	BOS	BOS	BOS
## 1249	2342833	103	103	CHW	CHA	CHA
## 1250	3099992	104	104	CHC	CHN	CHN
## 1251	1943067	100	101	CIN	CIN	CIN
## 1252	2013763	96	96	CLE	CLE	CLE
## 1253	1914389	112	113	COL	COL	COL
## 1254	2024431	98	98	DET	DET	DET
## 1255	1852608	94	94	FLA	FLO	FLO
## 1256	2804760	101	100	HOU	HOU	HOU
## 1257	1371181	99	101	KCR	KCA	KCA
## 1258	3404686	98	97	LAA	ANA	ANA
## 1259	3603646	98	97	LAD	LAN	LAN
## 1260	2211023	101	101	MIL	ML4	MIL
## 1261	2034243	102	102	MIN	MIN	MIN
## 1262	4090696	98	97	NYY	NYA	NYA
## 1263	2829929	98	97	NYM	NYN	NYN
## 1264	2109118	101	100	OAK	OAK	OAK
## 1265	2665304	105	104	PHI	PHI	PHI
## 1266	1817245	99	100	PIT	PIT	PIT
## 1267	2869787	92	91	SDP	SDN	SDN
## 1268	2725459	95	96	SEA	SEA	SEA
## 1269	3181023	101	101	SFG	SFN	SFN
## 1270	3538988	101	100	STL	SLN	SLN
## 1271	1141669	99	100	TBD	TBA	TBA
## 1272	2525221	106	106	TEX	TEX	TEX
## 1273	2014995	102	102	TOR	TOR	TOR
## 1274	2731993	95	96	WSN	MON	WAS
## 1275	2091685	105	105	ARI	ARI	ARI
## 1276	2550524	100	99	ATL	ATL	ATL
## 1277	2153139	99	100	BAL	BAL	BAL
## 1278	2930588	105	104	BOS	BOS	BOS
## 1279	2957414	104	104	CHW	CHA	CHA
## 1280	3123215	103	103	CHC	CHN	CHN
## 1281	2134607	104	104	CIN	CIN	CIN
## 1282	1997995	99	98	CLE	CLE	CLE
## 1283	2104362	109	109	COL	COL	COL
## 1284	2595937	100	100	DET	DET	DET
## 1285	1164134	95	96	FLA	FLO	FLO
## 1286	3022763	100	99	HOU	HOU	HOU

## 1287	1372638	101	103	KCR	KCA	KCA
## 1288	3406790	100	100	LAA	ANA	ANA
## 1289	3758545	101	100	LAD	LAN	LAN
## 1290	2335643	101	101	MIL	ML4	MIL
## 1291	2285018	98	98	MIN	MIN	MIN
## 1292	4248067	101	99	NYN	NYA	NYA
## 1293	3379535	98	97	NYM	NYN	NYN
## 1294	1976625	97	97	OAK	OAK	OAK
## 1295	2701815	105	104	PHI	PHI	PHI
## 1296	1861549	98	99	PIT	PIT	PIT
## 1297	2659757	91	90	SDP	SDN	SDN
## 1298	2481165	97	97	SEA	SEA	SEA
## 1299	3130313	100	100	SFG	SFN	SFN
## 1300	3407104	99	99	STL	SLN	SLN
## 1301	1368950	99	101	TBD	TBA	TBA
## 1302	2388757	101	101	TEX	TEX	TEX
## 1303	2302212	100	100	TOR	TOR	TOR
## 1304	2153056	94	95	WSN	MON	WAS
## 1305	2325249	107	107	ARI	ARI	ARI
## 1306	2745207	98	98	ATL	ATL	ATL
## 1307	2164822	101	102	BAL	BAL	BAL
## 1308	2970755	106	105	BOS	BOS	BOS
## 1309	2684395	104	104	CHW	CHA	CHA
## 1310	3252462	105	104	CHC	CHN	CHN
## 1311	2058593	104	104	CIN	CIN	CIN
## 1312	2275912	101	100	CLE	CLE	CLE
## 1313	2376250	107	108	COL	COL	COL
## 1314	3047133	102	101	DET	DET	DET
## 1315	1370511	97	98	FLA	FLO	FLO
## 1316	3020405	100	100	HOU	HOU	HOU
## 1317	1616867	100	101	KCR	KCA	KCA
## 1318	3365632	101	100	LAA	ANA	ANA
## 1319	3857036	101	100	LAD	LAN	LAN
## 1320	2869144	100	100	MIL	ML4	MIL
## 1321	2296383	95	95	MIN	MIN	MIN
## 1322	4271083	101	100	NYN	NYA	NYA
## 1323	3853955	98	97	NYM	NYN	NYN
## 1324	1921844	94	94	OAK	OAK	OAK
## 1325	3108325	104	103	PHI	PHI	PHI
## 1326	1749142	97	98	PIT	PIT	PIT
## 1327	2790074	90	90	SDP	SDN	SDN
## 1328	2672223	96	97	SEA	SEA	SEA
## 1329	3223215	101	101	SFG	SFN	SFN
## 1330	3552180	99	99	STL	SLN	SLN
## 1331	1387603	98	100	TBD	TBA	TBA
## 1332	2353862	101	101	TEX	TEX	TEX
## 1333	2360644	100	99	TOR	TOR	TOR
## 1334	1943812	94	95	WSN	MON	WAS
## 1335	2509924	108	108	ARI	ARI	ARI
## 1336	2532834	98	98	ATL	ATL	ATL
## 1337	1950075	101	102	BAL	BAL	BAL
## 1338	3048250	108	106	BOS	BOS	BOS
## 1339	2500648	105	105	CHW	CHA	CHA
## 1340	3300200	108	107	CHC	CHN	CHN

## 1341	2058632	102	103	CIN	CIN	CIN
## 1342	2169760	98	98	CLE	CLE	CLE
## 1343	2650218	109	109	COL	COL	COL
## 1344	3202645	103	103	DET	DET	DET
## 1345	1335076	101	101	FLA	FLO	FLO
## 1346	2779487	98	98	HOU	HOU	HOU
## 1347	1578922	98	100	KCR	KCA	KCA
## 1348	3336747	103	102	LAA	ANA	ANA
## 1349	3730553	98	97	LAD	LAN	LAN
## 1350	3068458	98	98	MIL	ML4	MIL
## 1351	2302431	96	96	MIN	MIN	MIN
## 1352	4298655	103	102	NYY	NYA	NYA
## 1353	4042045	99	98	NYM	NYN	NYN
## 1354	1665256	95	95	OAK	OAK	OAK
## 1355	3422583	103	102	PHI	PHI	PHI
## 1356	1609076	96	98	PIT	PIT	PIT
## 1357	2427535	88	88	SDP	SDN	SDN
## 1358	2329702	97	97	SEA	SEA	SEA
## 1359	2863837	102	103	SFG	SFN	SFN
## 1360	3432917	99	99	STL	SLN	SLN
## 1361	1811986	101	101	TBR	TBA	TBA
## 1362	1945677	102	102	TEX	TEX	TEX
## 1363	2399786	98	97	TOR	TOR	TOR
## 1364	2320400	99	100	WSN	MON	WAS
## 1365	2128765	105	106	ARI	ARI	ARI
## 1366	2373631	99	98	ATL	ATL	ATL
## 1367	1907163	101	102	BAL	BAL	BAL
## 1368	3062699	106	105	BOS	BOS	BOS
## 1369	2284163	105	105	CHW	CHA	CHA
## 1370	3168859	107	106	CHC	CHN	CHN
## 1371	1747919	100	100	CIN	CIN	CIN
## 1372	1766242	95	95	CLE	CLE	CLE
## 1373	2665080	112	112	COL	COL	COL
## 1374	2567165	101	102	DET	DET	DET
## 1375	1464109	102	102	FLA	FLO	FLO
## 1376	2521076	98	98	HOU	HOU	HOU
## 1377	1797891	97	99	KCR	KCA	KCA
## 1378	3240386	99	98	LAA	ANA	ANA
## 1379	3761655	96	95	LAD	LAN	LAN
## 1380	3037451	98	98	MIL	ML4	MIL
## 1381	2416237	99	98	MIN	MIN	MIN
## 1382	3719358	105	103	NYY	NYA	NYA
## 1383	3168571	97	97	NYM	NYN	NYN
## 1384	1408783	99	99	OAK	OAK	OAK
## 1385	3600693	101	100	PHI	PHI	PHI
## 1386	1577853	98	99	PIT	PIT	PIT
## 1387	1919603	90	90	SDP	SDN	SDN
## 1388	2195533	94	96	SEA	SEA	SEA
## 1389	2862110	102	102	SFG	SFN	SFN
## 1390	3343252	98	97	STL	SLN	SLN
## 1391	1874962	98	97	TBR	TBA	TBA
## 1392	2156016	104	104	TEX	TEX	TEX
## 1393	1876129	100	99	TOR	TOR	TOR
## 1394	1817226	99	101	WSN	MON	WAS

## 1395	2056941	104	105	ARI	ARI	ARI
## 1396	2510119	98	97	ATL	ATL	ATL
## 1397	1733018	101	102	BAL	BAL	BAL
## 1398	3046443	106	105	BOS	BOS	BOS
## 1399	2194378	105	105	CHW	CHA	CHA
## 1400	3062973	108	108	CHC	CHN	CHN
## 1401	2060550	99	99	CIN	CIN	CIN
## 1402	1394812	93	93	CLE	CLE	CLE
## 1403	2875245	115	115	COL	COL	COL
## 1404	2461237	101	101	DET	DET	DET
## 1405	1535226	105	104	FLA	FLO	FLO
## 1406	2331490	95	96	HOU	HOU	HOU
## 1407	1615324	99	101	KCR	KCA	KCA
## 1408	3250816	98	98	LAA	ANA	ANA
## 1409	3562320	95	95	LAD	LAN	LAN
## 1410	2776531	98	98	MIL	ML4	MIL
## 1411	3223640	101	100	MIN	MIN	MIN
## 1412	3765807	105	103	NYY	NYA	NYA
## 1413	2559738	97	97	NYM	NYN	NYN
## 1414	1418391	100	100	OAK	OAK	OAK
## 1415	3647249	101	100	PHI	PHI	PHI
## 1416	1613399	99	101	PIT	PIT	PIT
## 1417	2131774	91	91	SDP	SDN	SDN
## 1418	2085488	93	95	SEA	SEA	SEA
## 1419	3037443	101	101	SFG	SFN	SFN
## 1420	3301218	97	97	STL	SLN	SLN
## 1421	1843445	96	95	TBR	TBA	TBA
## 1422	2505171	105	104	TEX	TEX	TEX
## 1423	1625555	100	100	TOR	TOR	TOR
## 1424	1828066	99	100	WSN	MON	WAS
## 1425	2105432	107	106	ARI	ARI	ARI
## 1426	2372940	98	98	ATL	ATL	ATL
## 1427	1755461	96	97	BAL	BAL	BAL
## 1428	3054001	106	105	BOS	BOS	BOS
## 1429	2001117	99	100	CHW	CHA	CHA
## 1430	3017966	96	97	CHC	CHN	CHN
## 1431	2213588	107	106	CIN	CIN	CIN
## 1432	1840835	96	97	CLE	CLE	CLE
## 1433	2909777	116	116	COL	COL	COL
## 1434	2642045	103	102	DET	DET	DET
## 1435	1477462	99	100	FLA	FLO	FLO
## 1436	2067016	102	104	HOU	HOU	HOU
## 1437	1724450	101	101	KCR	KCA	KCA
## 1438	3166321	93	93	LAA	ANA	ANA
## 1439	2935139	98	98	LAD	LAN	LAN
## 1440	3071373	103	102	MIL	ML4	MIL
## 1441	3168116	95	97	MIN	MIN	MIN
## 1442	3653680	108	106	NYY	NYA	NYA
## 1443	2352596	98	98	NYM	NYN	NYN
## 1444	1476791	97	98	OAK	OAK	OAK
## 1445	3680718	105	103	PHI	PHI	PHI
## 1446	1940429	96	97	PIT	PIT	PIT
## 1447	2143018	92	92	SDP	SDN	SDN
## 1448	1939421	94	95	SEA	SEA	SEA

## 1449	3387303	89	89	SFG	SFN	SFN
## 1450	3093954	95	94	STL	SLN	SLN
## 1451	1529188	92	92	TBR	TBA	TBA
## 1452	2946949	117	115	TEX	TEX	TEX
## 1453	1818103	104	104	TOR	TOR	TOR
## 1454	1940478	100	100	WSN	MON	WAS
## 1455	2177617	105	106	ARI	ARI	ARI
## 1456	2420171	102	101	ATL	ATL	ATL
## 1457	2102240	102	103	BAL	BAL	BAL
## 1458	3043003	106	106	BOS	BOS	BOS
## 1459	1965955	106	106	CHW	CHA	CHA
## 1460	2882756	98	99	CHC	CHN	CHN
## 1461	2347251	107	107	CIN	CIN	CIN
## 1462	1603596	93	95	CLE	CLE	CLE
## 1463	2630458	120	121	COL	COL	COL
## 1464	3028033	104	103	DET	DET	DET
## 1465	1607733	99	101	HOU	HOU	HOU
## 1466	1739859	100	100	KCR	KCA	KCA
## 1467	3061770	92	92	LAA	ANA	ANA
## 1468	3324246	96	96	LAD	LAN	LAN
## 1469	2219444	100	100	MIA	FLO	MIA
## 1470	2831385	104	104	MIL	ML4	MIL
## 1471	2776354	97	99	MIN	MIN	MIN
## 1472	3542406	103	102	NYN	NYA	NYA
## 1473	2242803	96	97	NYM	NYN	NYN
## 1474	1679013	97	97	OAK	OAK	OAK
## 1475	3565718	102	101	PHI	PHI	PHI
## 1476	2091918	93	94	PIT	PIT	PIT
## 1477	2123721	92	92	SDP	SDN	SDN
## 1478	1721920	90	91	SEA	SEA	SEA
## 1479	3377371	88	88	SFG	SFN	SFN
## 1480	3262109	98	97	STL	SLN	SLN
## 1481	1559681	94	93	TBR	TBA	TBA
## 1482	3460280	112	111	TEX	TEX	TEX
## 1483	2099663	103	104	TOR	TOR	TOR
## 1484	2370794	99	101	WSN	MON	WAS
## 1485	2134795	102	102	ARI	ARI	ARI
## 1486	2548679	104	103	ATL	ATL	ATL
## 1487	2357561	106	105	BAL	BAL	BAL
## 1488	2833333	102	102	BOS	BOS	BOS
## 1489	1768413	107	107	CHW	CHA	CHA
## 1490	2642682	104	105	CHC	CHN	CHN
## 1491	2534369	103	102	CIN	CIN	CIN
## 1492	1572926	93	94	CLE	CLE	CLE
## 1493	2793828	117	118	COL	COL	COL
## 1494	3083397	106	105	DET	DET	DET
## 1495	1651883	99	101	HOU	HOU	HOU
## 1496	1750754	103	103	KCR	KCA	KCA
## 1497	3019505	94	94	LAA	ANA	ANA
## 1498	3743527	95	95	LAD	LAN	LAN
## 1499	1586322	102	103	MIA	FLO	MIA
## 1500	2531105	105	105	MIL	ML4	MIL
## 1501	2477644	99	101	MIN	MIN	MIN
## 1502	3279589	102	101	NYN	NYA	NYA

## 1503	2135657	94	95	NYM	NYN	NYN
## 1504	1809302	95	93	OAK	OAK	OAK
## 1505	3012403	101	102	PHI	PHI	PHI
## 1506	2256862	94	94	PIT	PIT	PIT
## 1507	2166691	91	91	SDP	SDN	SDN
## 1508	1761546	92	92	SEA	SEA	SEA
## 1509	3326796	90	89	SFG	SFN	SFN
## 1510	3369769	99	97	STL	SLN	SLN
## 1511	1510300	96	95	TBR	TBA	TBA
## 1512	3178273	104	103	TEX	TEX	TEX
## 1513	2536562	102	102	TOR	TOR	TOR
## 1514	2652422	102	101	WSN	MON	WAS
## 1515	2073730	102	102	ARI	ARI	ARI
## 1516	2354305	99	99	ATL	ATL	ATL
## 1517	2464473	100	100	BAL	BAL	BAL
## 1518	2956089	102	101	BOS	BOS	BOS
## 1519	1650821	100	101	CHW	CHA	CHA
## 1520	2652113	103	104	CHC	CHN	CHN
## 1521	2476664	98	98	CIN	CIN	CIN
## 1522	1437393	97	97	CLE	CLE	CLE
## 1523	2680329	115	116	COL	COL	COL
## 1524	2917209	105	104	DET	DET	DET
## 1525	1751829	101	102	HOU	HOU	HOU
## 1526	1956482	105	104	KCR	KCA	KCA
## 1527	3095935	96	95	LAA	ANA	ANA
## 1528	3782337	96	95	LAD	LAN	LAN
## 1529	1732283	103	104	MIA	FLO	MIA
## 1530	2797384	102	103	MIL	ML4	MIL
## 1531	2250606	102	103	MIN	MIN	MIN
## 1532	3401624	100	101	NYN	NYA	NYA
## 1533	2148808	94	95	NYM	NYN	NYN
## 1534	2003628	99	97	OAK	OAK	OAK
## 1535	2423852	100	101	PHI	PHI	PHI
## 1536	2442564	98	97	PIT	PIT	PIT
## 1537	2195373	91	91	SDP	SDN	SDN
## 1538	2064334	95	95	SEA	SEA	SEA
## 1539	3368697	95	95	SFG	SFN	SFN
## 1540	3540649	101	100	STL	SLN	SLN
## 1541	1446464	97	97	TBR	TBA	TBA
## 1542	2718733	101	101	TEX	TEX	TEX
## 1543	2375525	102	102	TOR	TOR	TOR
## 1544	2579389	104	102	WSN	MON	WAS
## 1545	2080145	107	106	ARI	ARI	ARI
## 1546	2001392	97	97	ATL	ATL	ATL
## 1547	2281202	103	104	BAL	BAL	BAL
## 1548	2880694	104	107	BOS	BOS	BOS
## 1549	1755810	92	93	CHW	CHA	CHA
## 1550	2919122	100	100	CHC	CHN	CHN
## 1551	2419506	101	101	CIN	CIN	CIN
## 1552	1388905	106	106	CLE	CLE	CLE
## 1553	2506789	119	118	COL	COL	COL
## 1554	2726048	97	98	DET	DET	DET
## 1555	2153585	97	99	HOU	HOU	HOU
## 1556	2708549	104	103	KCR	KCA	KCA

## 1557	3012765	94	95	LAA	ANA	ANA
## 1558	3764815	101	98	LAD	LAN	LAN
## 1559	1752235	98	97	MIA	FLO	MIA
## 1560	2542558	101	101	MIL	ML4	MIL
## 1561	2220054	103	104	MIN	MIN	MIN
## 1562	3193795	99	101	NYY	NYA	NYA
## 1563	2569753	94	92	NYM	NYN	NYN
## 1564	1768175	97	98	OAK	OAK	OAK
## 1565	1831080	98	98	PHI	PHI	PHI
## 1566	2498596	99	97	PIT	PIT	PIT
## 1567	2459742	98	97	SDP	SDN	SDN
## 1568	2193581	92	94	SEA	SEA	SEA
## 1569	3375882	99	97	SFG	SFN	SFN
## 1570	3520889	102	101	STL	SLN	SLN
## 1571	1287054	100	102	TBR	TBA	TBA
## 1572	2491875	102	105	TEX	TEX	TEX
## 1573	2794891	99	98	TOR	TOR	TOR
## 1574	2619843	102	99	WSN	MON	WAS
## 1575	2036216	107	108	ARI	ARI	ARI
## 1576	2020914	102	104	ATL	ATL	ATL
## 1577	2172344	101	101	BAL	BAL	BAL
## 1578	2955434	108	106	BOS	BOS	BOS
## 1579	1746293	96	97	CHW	CHA	CHA
## 1580	3232420	95	93	CHC	CHN	CHN
## 1581	1894085	99	100	CIN	CIN	CIN
## 1582	1591667	110	109	CLE	CLE	CLE
## 1583	2602524	117	117	COL	COL	COL
## 1584	2493859	101	101	DET	DET	DET
## 1585	2306623	90	89	HOU	HOU	HOU
## 1586	2557712	105	106	KCR	KCA	KCA
## 1587	3016142	95	95	LAA	ANA	ANA
## 1588	3703312	93	92	LAD	LAN	LAN
## 1589	1712417	93	93	MIA	FLO	MIA
## 1590	2314614	99	99	MIL	ML4	MIL
## 1591	1963912	96	98	MIN	MIN	MIN
## 1592	3063405	105	105	NYY	NYA	NYA
## 1593	2789602	102	102	NYM	NYN	NYN
## 1594	1521506	90	91	OAK	OAK	OAK
## 1595	1915144	91	93	PHI	PHI	PHI
## 1596	2249201	100	101	PIT	PIT	PIT
## 1597	2351422	99	99	SDP	SDN	SDN
## 1598	2267928	98	97	SEA	SEA	SEA
## 1599	3365256	103	102	SFG	SFN	SFN
## 1600	3444490	100	99	STL	SLN	SLN
## 1601	1286163	93	94	TBR	TBA	TBA
## 1602	2710402	106	105	TEX	TEX	TEX
## 1603	3392099	111	110	TOR	TOR	TOR
## 1604	2481938	100	98	WSN	MON	WAS

ii. Next, we will partition the rows of the ‘presidential’ dataset by only considering the year of each

```
pres_condition <- pres_dat
pres_condition$start <- ifelse(month(pres_condition$start) == 1,
                               year(pres_condition$start),
```

```

                                year(pres_condition$start + years(1)))
pres_condition$end <- ifelse(month(pres_condition$end) == 1,
                             year(pres_condition$end - years(1)),
                             year(pres_condition$end))

```

iii. Answer the question: Which president had the most number of home runs occur during their term? R
 Answer: Bush2

```

team_home <- team_dat %>%
  select(yearID, H) %>%
  group_by(yearID) %>%
  summarise_all("sum")
pres_cond <- pres_condition %>%
  select(name, start, end) %>%
  group_by(name, start, end)
pres_cond <- pres_cond %>%
  mutate(count = sum(team_home$H[which(team_home$yearID >= start & team_home$yearID <= end)])) %>%
  arrange(desc(count))
unlist(pres_cond[1,])

```

```

##      name      start      end      count
## "Bush2"    "2001"    "2009" "397267"

```

4. Creating HTML Page; In this problem we would like to create a basic HTML page. Please follow each of the steps below and finally submit your HTML file on Canvas. Please note that you don't need to answer these questions here in the .Rmd file.

- Open a notepad or any plain text editor. Write down some basic HTML codes as shown in online (year 2014) Lecture 15, slide 6 and modify according to the following questions. Save the file as hw4.html and upload on Canvas as a separate file.
- Write "What is data science?" in the first header tag, <h1></h1>
- Hw1 solution contains the answer of what is data science. The answer has three paragraphs. Write the three paragraphs of text about data science in three different paragraph tags <p></p>. You can copy the text from hw1 solution.
- Write "What we learnt from hw1" in second heading under tag <h2></h2>
- Copy all the points we learnt in hw1 solution. List all the points under ordered list tag . Notice that each item of the list should be inside list item tag .
- Now we want to make the text beautiful. For this we would write some CSS codes in between <head></head> tag under <style></style>. For this please refer to online (year 2014) lecture 15 slide 8. First change the fonts of the body tag to Helvetica Neue.
- For the paragraph that contains the definition of data science, give an attribute id='dfn' and in CSS change the color of 'dfn' to white, background-color to olive and font to be bold.
- For other paragraphs, give an attribute class='cls' and in CSS change the color of 'cls' to green.
- Write CSS so that color of h1, h2 headers becomes orange.
- (Optional and will not be graded) Write java Scripts codes so that onClick on h1 header, it shows a message 'Its about data science'.

5. Boston hubway data; This question will explore Boston hubway data. Please carefully *type* and *answer* each question below including your *codes* and *results*.

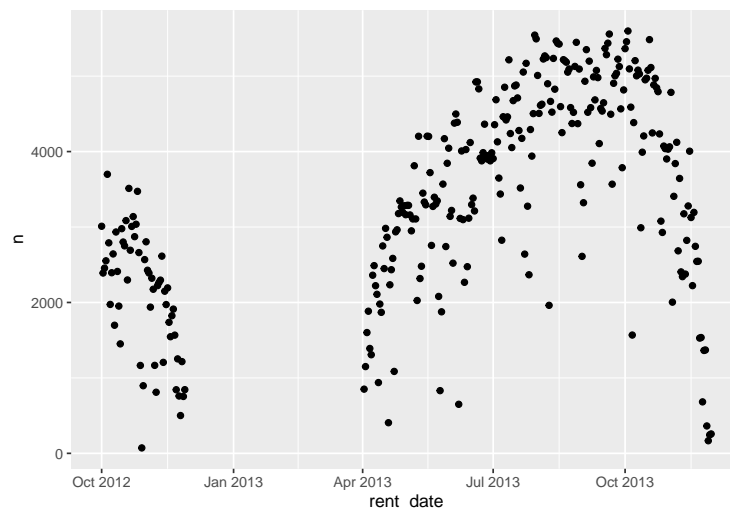
- Obtain the compressed data, bicycle-rents.csv.zip, from Canvas and display few data rows.

```
bicycle_rents <- read.csv("bicycle-rents.csv")
head(bicycle_rents)
```

```
##      id      rent_date
## 1 708191 2012-10-31 23:57:00
## 2 708190 2012-10-31 23:54:00
## 3 708189 2012-10-31 23:52:00
## 4 708187 2012-10-31 23:52:00
## 5 708186 2012-10-31 23:50:00
## 6 708185 2012-10-31 23:39:00
```

- b. For each day, count the number of bikes rented for that date and show the data in a time series plot. Why is there an unusual pattern in around late 2012 and early 2013? Answer: There is an unusual pattern in around late 2012 and early 2013 because people started renting more bikes during that time.

```
library(ggplot2)
data_5b <- bicycle_rents
data_5b$rent_date <- format(as.Date(data_5b$rent_date), format="%m-%d-%Y")
data_5b <- data_5b %>%
  group_by(rent_date) %>%
  tally()
data_5b$rent_date <- as.Date(data_5b$rent_date, "%m-%d-%Y")
ggplot(data_5b, aes(x = rent_date, y = n)) +
  geom_point()
```



- c. Based on the rent date column, create three new columns month, weekDay and hourDay which represent month, week day name and hour of the day respectively. Store the data in myDat and display few records of the data. Hint: For weekday use function wday(). After doing that, answer the following questions:

```
myDat <- bicycle_rents
myDat <- myDat %>%
  mutate(month = lubridate::month(myDat$rent_date, label = TRUE, abbr = FALSE)) %>%
  mutate(weekDay = lubridate::wday(myDat$rent_date, label = TRUE, abbr = FALSE)) %>%
  mutate(hourDay = lubridate::hour(myDat$rent_date))
head(myDat)
```

```
##      id      rent_date  month  weekDay hourDay
## 1 708191 2012-10-31 23:57:00 October Wednesday    23
## 2 708190 2012-10-31 23:54:00 October Wednesday    23
## 3 708189 2012-10-31 23:52:00 October Wednesday    23
## 4 708187 2012-10-31 23:52:00 October Wednesday    23
## 5 708186 2012-10-31 23:50:00 October Wednesday    23
## 6 708185 2012-10-31 23:39:00 October Wednesday    23
```

i. Which weekDay has the highest number of rentals?
Answer: Wednesday

```
myDat <- bicycle_rents
myDat <- myDat %>%
  mutate(month = lubridate::month(myDat$rent_date, label = TRUE, abbr = FALSE)) %>%
  mutate(weekDay = lubridate::wday(myDat$rent_date, label = TRUE, abbr = FALSE)) %>%
  mutate(hourDay = lubridate::hour(myDat$rent_date))
head(myDat)
```

```
##      id      rent_date  month  weekDay hourDay
## 1 708191 2012-10-31 23:57:00 October Wednesday    23
## 2 708190 2012-10-31 23:54:00 October Wednesday    23
## 3 708189 2012-10-31 23:52:00 October Wednesday    23
## 4 708187 2012-10-31 23:52:00 October Wednesday    23
## 5 708186 2012-10-31 23:50:00 October Wednesday    23
## 6 708185 2012-10-31 23:39:00 October Wednesday    23
```

```
myDat_5c_i <- myDat
myDat_5c_i <- myDat_5c_i %>%
  group_by(weekDay) %>%
  tally() %>%
  arrange(desc(n))
myDat_5c_i[1,]
```

```
## # A tibble: 1 x 2
##   weekDay      n
##   <ord>    <int>
## 1 Wednesday 161140
```

ii. Overall, which hours has the highest rental for all the days?
Answer:17

```
myDat_5c_ii <- myDat
myDat_5c_ii <- myDat_5c_ii %>%
  group_by(hourDay) %>%
  tally() %>%
  arrange(desc(n))
myDat_5c_ii[1,]
```

```
## # A tibble: 1 x 2
##   hourDay      n
##   <int>    <int>
## 1      17 115308
```

iii. On Sunday, which hour(s) has the highest number of rental?
Answer: 14

```
myDat_5c_iii <- myDat
myDat_5c_iii <- filter(myDat_5c_iii, weekDay == lubridate::wday(1, label = TRUE, abbr = FALSE))
myDat_5c_iii <- myDat_5c_iii %>%
  group_by(hourDay, month) %>%
  tally() %>%
  arrange(desc(n))
myDat_5c_iii[1,1:3]
```

```
## # A tibble: 1 x 3
## # Groups:   hourDay [1]
##   hourDay month      n
##   <int> <ord>    <int>
## 1      14 October  1727
```

iv. Which hour has the lowest number of rentals? what day does it fall in? what month is it?
Which hour has the lowest number of rentals?

Answer:

Which hour has the lowest number of rentals? 3

what day does it fall in? what month is it? Thursday

What month is it? April

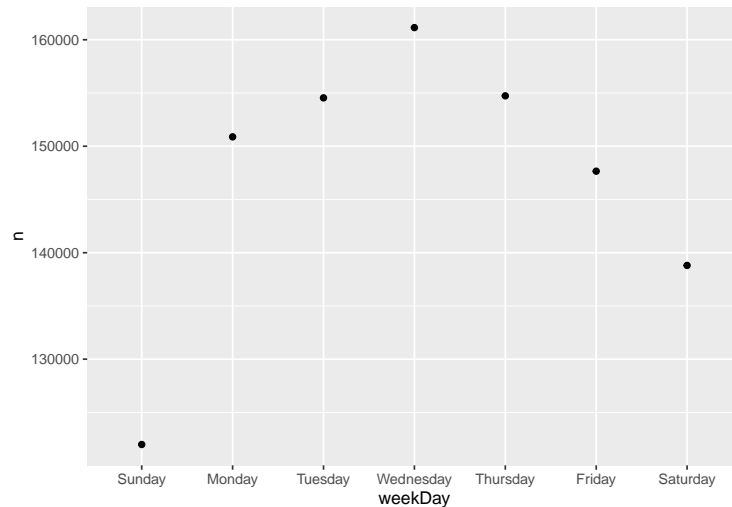
Which hour has the lowest number of rentals? 3

```
myDat_5c_iv <- myDat
myDat_5c_iv <- myDat_5c_iv %>%
  group_by(hourDay, weekDay, month) %>%
  tally() %>%
  arrange(n)
myDat_5c_iv[1:2,1:4]
```

```
## # A tibble: 2 x 4
## # Groups:   hourDay, weekDay [2]
##   hourDay weekDay month      n
##   <int> <ord>    <ord> <int>
## 1      3 Thursday April      2
## 2      4 Saturday April      2
```

v. Create a suitable plot of the data you stored in weekDay so that it displays number of bike rents :

```
ggplot(myDat_5c_i, aes(x = weekDay, y = n)) +
  geom_point()
```

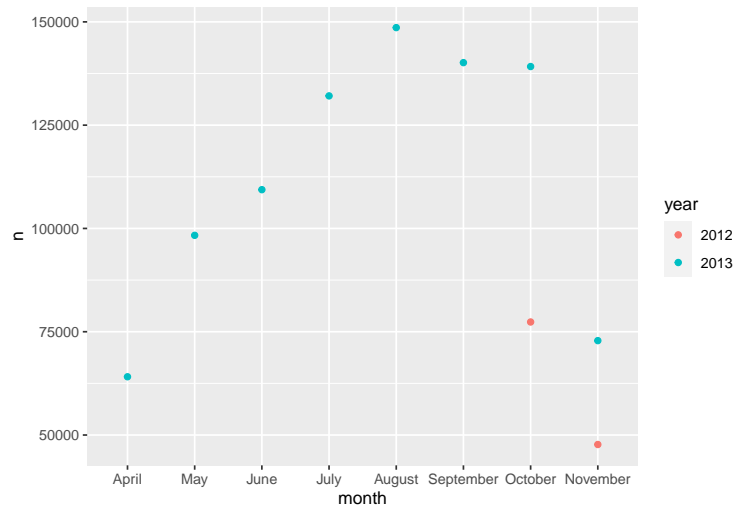
- d. Summarize myDat by month based on the number of rents for each month and store the data in monthDat. Display some data.

```
monthDat <- myDat
monthDat <- monthDat %>%
  group_by(year(rent_date), month) %>%
  tally() %>%
  arrange(desc(n))
head(monthDat)
```

```
## # A tibble: 6 x 3
## # Groups:   year(rent_date) [1]
##   'year(rent_date)' month      n
##   <int> <ord>      <int>
## 1      2013 August    148611
## 2      2013 September 140133
## 3      2013 October  139189
## 4      2013 July     132082
## 5      2013 June     109385
## 6      2013 May       98332
```

- e. Create a suitable plot of the data you stored in monthDat so that it displays number of bike rents for each month.

```
monthDat$'year(rent_date)' <- as.character(monthDat$'year(rent_date)')
colnames(monthDat)[1] <- "year"
ggplot(monthDat, aes(x = month, y = n, color = year)) +
  geom_point()
```



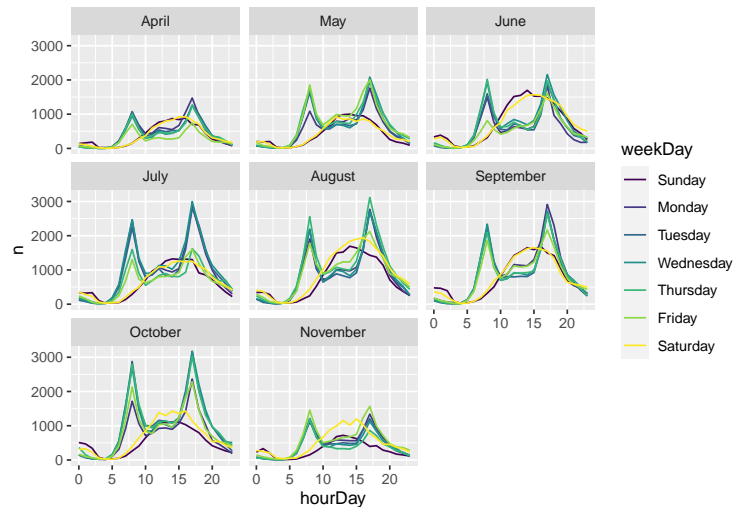
- f. Now we want to investigate what happens in each day. Summarize myDat again but this time by weekDay and hourDay and obtain the number of rents. Store the data in hourDat and Display some data.

```
hourDat <- myDat
hourDat <- hourDat %>%
  group_by(weekDay, hourDay) %>%
  tally() %>%
  arrange(desc(n))
head(hourDat)
```

```
## # A tibble: 6 x 3
## # Groups:   weekDay [4]
##   weekDay    hourDay     n
##   <ord>      <int> <int>
## 1 Wednesday      17 20136
## 2 Tuesday        17 19953
## 3 Monday         17 19719
## 4 Thursday       17 18718
## 5 Wednesday      8 17800
## 6 Tuesday        8 17111
```

- g. The dataframe hourDat is now ready for plotting. Generate line plots showing number of bike rents vs hour of the day and colored by weekDay and facet by month. Please limit the data from April 2013 to November 2013 for this question.

```
hourDat_5g <- myDat
hourDat_5g <- filter(hourDat_5g, year(hourDat_5g$rent_date) == year("2013-01-01"))
hourDat_5g <- hourDat_5g %>%
  group_by(weekDay, hourDay, month) %>%
  tally() %>%
  arrange(desc(n))
ggplot() +
  geom_line(aes(x = hourDay, y = n, color = weekDay), hourDat_5g) +
  facet_wrap(~month)
```



h. Based on what you are analyzed from the data, what month would be busiest in bike rental? Explain and support your finding using the data.

```
hourDat_5h <- myDat
hourDat_5h <- filter(hourDat_5h, year(hourDat_5h$rent_date) == year("2013-01-01"))
hourDat_5h <- hourDat_5h %>%
  group_by(month) %>%
  tally() %>%
  arrange(desc(n))
head(hourDat_5h)
```

```
## # A tibble: 6 x 2
##   month      n
##   <ord>    <int>
## 1 August  148611
## 2 September 140133
## 3 October  139189
## 4 July    132082
## 5 June    109385
## 6 May      98332
```

6. Walmart Sales Analysis Download and read the dataset `walmart_sales.csv` and `walmart_fuel_prices.csv`.

We will follow the following data description when working with the above 2 datasets:

- **index:** index is a default value of count
- **Store:** Store is represented in number ID(1,2,3,4,...)
- **Dept:** Dept is Department in each Store represented in number ID (1,2,3,4,...)
- **Date:** Date is in YYYY-MM-DD char format - *needs to be converted into Date data type*
- **Weekly_Sales:** Sales of a given Dept in a given Store for the Date
- **Temperature:** Average temperature on the Date at given Store region
- **Fuel_Price:** Cost of the Fuel on the given Date at a given Store
- **IsHoliday:** Is the given Date a holiday Week?

Answer all of the following questions below and support your answer showing the codes and a plot (if applicable):

- a. For both datasets, breakdown the Date column and create additional new columns Year, Month, and Day. You should now have additional 3 new columns in your both dataset. Report only the column names for both the dataset.

```
walmart_sales <- read.csv("walmart_sales.csv")
walmart_fuel_prices <- read.csv("walmart_fuel_prices.csv")
walmart_sales$Date <- as.Date(walmart_sales$Date)
walmart_fuel_prices$Date <- as.Date(walmart_fuel_prices$Date)
walmart_sales <- walmart_sales %>%
  mutate(Month = lubridate::month(walmart_sales$Date, label = TRUE, abbr = FALSE)) %>%
  mutate(Day = lubridate::wday(walmart_sales$Date, label = TRUE, abbr = FALSE)) %>%
  mutate(Year = lubridate::year(walmart_sales$Date))
walmart_fuel_prices <- walmart_fuel_prices %>%
  mutate(Month = lubridate::month(walmart_fuel_prices$Date, label = TRUE, abbr = FALSE)) %>%
  mutate(Day = lubridate::wday(walmart_fuel_prices$Date, label = TRUE, abbr = FALSE)) %>%
  mutate(Year = lubridate::year(walmart_fuel_prices$Date))
colnames(walmart_sales)
```

```
## [1] "Store"      "Dept"      "Date"      "Weekly_Sales" "IsHoliday"
## [6] "Month"     "Day"      "Year"
```

```
colnames(walmart_fuel_prices)
```

```
## [1] "index"      "Store"      "Date"      "Temperature" "Fuel_Price"
## [6] "IsHoliday"  "Month"     "Day"      "Year"
```

- b. In walmart_sales: which Month(s) of Year have the highest Weekly_Sales? Report the Year, Month, Store, and Dept. Answer: December, 2010

```
walmart_sales_6b <- walmart_sales
walmart_sales_6b <- walmart_sales_6b %>%
  select(Store, Dept, Year, Month, Weekly_Sales) %>%
  group_by(Month, Year, Store, Dept) %>%
  summarise_all("sum") %>%
  arrange(desc(Weekly_Sales, Year))
walmart_sales_6b[1,]
```

```
## # A tibble: 1 x 5
## # Groups:   Month, Year, Store [1]
##   Month      Year Store Dept Weekly_Sales
##   <ord>    <dbl> <int> <int>      <dbl>
## 1 December  2010     10    72      1216569.
```

- c. In walmart_sales: calculate the average monthly sales by Department for each Store. Which Store(s) has the highest average monthly sales on the department(s)? Report the Store, Department, Date. Answer: Store 10. department 72 has the highest average monthly sales .

```
walmart_sales_6c <- walmart_sales
walmart_sales_6c <- walmart_sales_6c %>%
  select(Store, Dept, Month, Date, Weekly_Sales) %>%
  group_by(Month, Store, Dept, Date) %>%
```

```
summarise_all("mean") %>%
  arrange(desc(Weekly_Sales))
walmart_sales_6c[1,-1]
```

```
## # A tibble: 1 x 4
## # Groups:   Store, Dept [1]
##   Store Dept Date       Weekly_Sales
##   <int> <int> <date>         <dbl>
## 1    10    72 2010-11-26      693099.
```

- d. In `walmart_sales`: which month of year 2011 has the highest overall sales by Store? Name the holiday(Labor day, July 4th, Halloween, Thanksgiving, Christmas,... etc) that falls on the month. After that do the same for 2012. Does the highest sales per month fall on the same holiday for both years? Report your findings for both year. Answer: ## Name the holiday(Labor day, July 4th, Halloween, Thanksgiving, Christmas,... etc) that falls on the month: 2011- Dec 20-National Sangria Day. ## Name the holiday(Labor day, July 4th, Halloween, Thanksgiving, Christmas,... etc) that falls on the month: 2012- June 4- National Cheese Day. ## Does the highest sales per month fall on the same holiday for both years? Report your findings for both year.: No

```
walmart_sales_6d <- walmart_sales
walmart_sales_6d_11 <- filter(walmart_sales_6d,
                              Year == lubridate::year("2011-01-01"))
walmart_sales_6d_12 <- filter(walmart_sales_6d,
                              Year == lubridate::year("2012-01-01"))
walmart_sales_6d_11 <- walmart_sales_6d_11 %>%
  select(Store, Month, Weekly_Sales) %>%
  group_by(Month, Store) %>%
  summarise_all("sum") %>%
  arrange(desc(Weekly_Sales))
walmart_sales_6d_12 <- walmart_sales_6d_12 %>%
  select(Store, Month, Weekly_Sales) %>%
  group_by(Month, Store) %>%
  summarise_all("sum") %>%
  arrange(desc(Weekly_Sales))
walmart_sales_6d_11[1,]
```

```
## # A tibble: 1 x 3
## # Groups:   Month [1]
##   Month Store Weekly_Sales
##   <ord> <int>         <dbl>
## 1 December    20      13206333.
```

```
walmart_sales_6d_12[1,]
```

```
## # A tibble: 1 x 3
## # Groups:   Month [1]
##   Month Store Weekly_Sales
##   <ord> <int>         <dbl>
## 1 June     4       10984472.
```

- e. In `walmart_sales`: report the lowest sales per month for the year 2011 for `IsHoliday == TRUE`. Name the holiday(Labor day, July 4th, Halloween, Thanksgiving, Christmas,... etc) that falls on the month.

Do the same for 2012 and report if the lowest sales are on the same month. Answer:## Name the holiday(Labor day, July 4th, Halloween, Thanksgiving, Christmas,... etc) that falls on the month- 2011- December. Christmas eve and Christmas day.

Name the holiday(Labor day, July 4th, Halloween, Thanksgiving, Christmas,... etc) that falls on the month- 2011- December. Christmas eve and Christmas day. 2012- September- Labor Day ## report if the lowest sales are on the same month: No they dont

```
walmart_sales_6e <- walmart_sales
walmart_sales_6e_11 <- filter(walmart_sales_6e,
                              Year == lubridate::year("2011-01-01")
                              & IsHoliday == TRUE)

walmart_sales_6e_11 <- walmart_sales_6e_11 %>%
  select(Month, Weekly_Sales) %>%
  group_by(Month) %>%
  summarise_all("sum") %>%
  arrange(Weekly_Sales)
walmart_sales_6e_12 <- filter(walmart_sales_6e,
                              Year == lubridate::year("2012-01-01")
                              & IsHoliday == TRUE)
walmart_sales_6e_12 <- walmart_sales_6e_12 %>%
  select(Month, Weekly_Sales) %>%
  group_by(Month) %>%
  summarise_all("sum") %>%
  arrange(Weekly_Sales)
walmart_sales_6e_11[1,]
```

```
## # A tibble: 1 x 2
##   Month      Weekly_Sales
##   <ord>         <dbl>
## 1 December      46042461.
```

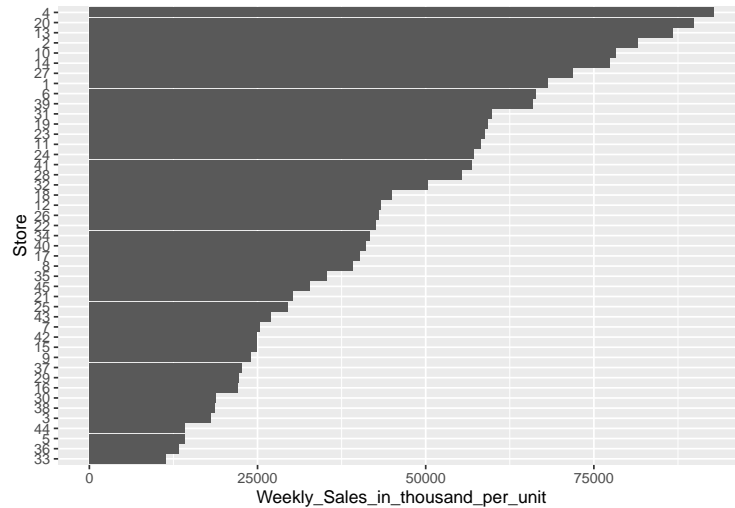
```
walmart_sales_6e_12[1,]
```

```
## # A tibble: 1 x 2
##   Month      Weekly_Sales
##   <ord>         <dbl>
## 1 September      48330059.
```

f. In `walmart_sales`: We have 45 unique stores. Generate a nice plot on the total sales by store for the year 2012. Report the Store number.

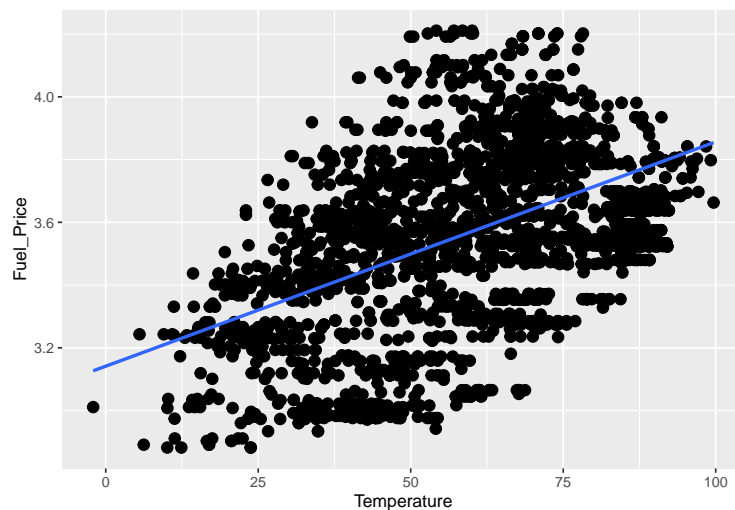
```
walmart_sales_6f <- walmart_sales
walmart_sales_6f_12 <- filter(walmart_sales_6f, Year == lubridate::year("2012-01-01"))
walmart_sales_6f_12 <- walmart_sales_6f_12 %>%
  select(Store, Weekly_Sales) %>%
  group_by(Store) %>%
  summarise_all("sum")
walmart_sales_6f_12$Store <- as.character(walmart_sales_6f_12$Store)
colnames(walmart_sales_6f_12)[1] = "Store"
walmart_sales_6f_12 <- walmart_sales_6f_12 %>%
  mutate(Store = reorder(Store, Weekly_Sales)) %>%
```

```
mutate(Weekly_Sales_in_thousand_per_unit = walmart_sales_6f_12$Weekly_Sales / 1000)
ggplot(walmart_sales_6f_12, aes(x = Store, y = Weekly_Sales_in_thousand_per_unit)) +
  geom_bar(stat = "identity") +
  coord_flip()
```



g. In `walmart_fuel_prices`: For the year 2011 do you think higher the temperature relates to higher fuel price? Support your answer with a nice plot.

```
walmart_fuel_prices_6g <- walmart_fuel_prices
walmart_fuel_prices_6g <- filter(walmart_fuel_prices_6g , Year == lubridate::year("2011-01-01"))
ggplot(data = walmart_fuel_prices_6g, aes(x = Temperature, y = Fuel_Price)) +
  geom_point(size = 3) +
  geom_smooth(method = "lm", se = F)
```



h. In `walmart_fuel_prices`: For the year 2010 which Store had the lowest Fuel Price? Report the month and temperature. On the same month, what was the highest fuel price for the store? Report the difference. Answer: For the year 2010 which Store had the lowest Fuel Price? :Store 36

On the same month, what was the Lowest fuel price for the store and temperature?: 2.472 and 45.66 **
 On the same month, what was the highest fuel price for the store and temperature?: 2.545 and 45.97
 **The difference is 0.073

```
walmart_fuel_prices_6h <- walmart_fuel_prices
walmart_fuel_prices_6h <- filter(walmart_fuel_prices_6h , Year == lubridate::year("2010-01-01"))
walmart_fuel_prices_6h <- walmart_fuel_prices_6h %>%
  select(Store, Fuel_Price, Month, Temperature) %>%
  group_by(Store, Month, Temperature) %>%
  summarise_all("min") %>%

arrange(Fuel_Price)
walmart_fuel_prices_6h[1,]
```

```
## # A tibble: 1 x 4
## # Groups:   Store, Month [1]
##   Store Month   Temperature Fuel_Price
##   <int> <ord>         <dbl>      <dbl>
## 1    36 February         45.7         2.47
```

```
walmart_fuel_prices_6h_h <- walmart_fuel_prices
walmart_fuel_prices_6h_h <- filter(walmart_fuel_prices_6h_h , Year == lubridate::year("2010-01-01")
                                   & Month == lubridate::month("2010-02-02", label = TRUE, abbr = FALSE)
                                   & Store == 36)
walmart_fuel_prices_6h_h <- walmart_fuel_prices_6h_h %>%
  select(Store, Fuel_Price, Month, Temperature) %>%
  arrange(desc(Fuel_Price))
walmart_fuel_prices_6h_h[1,]
```

```
##   Store Fuel_Price   Month Temperature
## 1    36      2.545 February         45.97
```

```
walmart_fuel_prices_6h_h[1,2] - walmart_fuel_prices_6h[1,4]
```

```
##   Fuel_Price
## 1         0.073
```

- i. In `walmart_fuel_prices`: For the `IsHoliday == TRUE`, which month has the lowest Fuel Price for the year 2012? name the holiday(Labor day, July 4th, Halloween, Thanksgiving, Christmas,... etc) that falls on the month. Also report month of the highest fuel price and name of the holiday.

Answer: which month has the lowest Fuel Price for the year 2012?: Feb name the holiday(Labor day, July 4th, Halloween, Thanksgiving, Christmas,... etc) that falls on the month(lowest Fuel Price) ∴ Valentine day- Feb 14 report month of the highest fuel price : September *name of the holiday(highest fuel price) ∴ Labor Day

```
walmart_fuel_prices_6i <- walmart_fuel_prices
walmart_fuel_prices_6i <- filter(walmart_fuel_prices_6i , Year == year("2012-01-01")
                                   & IsHoliday == TRUE)
walmart_fuel_prices_6i <- walmart_fuel_prices_6i %>%
  select(Fuel_Price, Month) %>%
```



```
group_by(Month) %>%
  summarise_all("min") %>%
  arrange(Fuel_Price)
walmart_fuel_prices_6i[1,]
```

```
## # A tibble: 1 x 2
##   Month      Fuel_Price
##   <ord>         <dbl>
## 1 February         3.10
```

```
walmart_fuel_prices_6i[4,]
```

```
## # A tibble: 1 x 2
##   Month      Fuel_Price
##   <ord>         <dbl>
## 1 September         3.60
```

7. Optional for undergraduate but mandatory for graduate students Download the data from Github - [click here](#)

The link above contains a time-series data for COVID-19 confirmed cases in the US. Limit the data to only use Nebraska State and please answer the following questions:

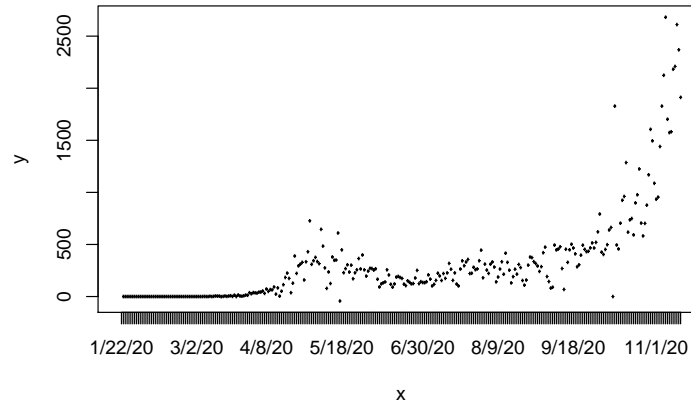
a. What is the total confirmed cases in Nebraska as of October 30th 2020 as per the dataset? Answer:69645

```
library(data.table)
US_covid_confirmed <-
  fread(
    'https://raw.githubusercontent.com/CSSEGISandData/COVID-19/master/csse_covid_19_data/csse_covid_19_time_series/csse_covid_19_time_series.csv',
    stringsAsFactors = FALSE)
nebraska_covid_confirmed <- US_covid_confirmed %>%
  filter(Province_State == "Nebraska")
nebraska_long <- melt(nebraska_covid_confirmed, id=1:11) %>%
  select(Province_State, Admin2, "variable", "value")
nebraska_daily_cumulative <- nebraska_long %>%
  group_by(variable, Province_State) %>%
  select(Province_State, Admin2, "variable", "value") %>%
  summarise(total_cases = sum(value))
result_7a <- nebraska_daily_cumulative %>%
  filter(variable == "10/30/20")
result_7a
```

```
## # A tibble: 1 x 3
## # Groups:   variable [1]
##   variable Province_State total_cases
##   <fct>      <chr>         <int>
## 1 10/30/20 Nebraska         69645
```

b. On what date has the highest confirmed cases? Demonstrate using a suitable graph for all the available data. Answer:11/6/20

```
nebraska_cases_daily <- nebraska_daily_cumulative %>%
  group_by(Province_State) %>%
  mutate(cases_daily = total_cases - lag(total_cases))
plot(nebraska_cases_daily$variable, nebraska_cases_daily$cases_daily)
```



```
result_7b <- nebraska_cases_daily %>%
  arrange(desc(cases_daily))
result_7b[1,]
```

```
## # A tibble: 1 x 4
## # Groups:   Province_State [1]
##   variable Province_State total_cases cases_daily
##   <fct>      <chr>          <int>      <int>
## 1 11/6/20 Nebraska            80693        2681
```

- c. Which County has the highest daily confirmed cases? Report both the County name and the date
Answer: Douglas, 11/12/20

```
nebraska_county_daily_cumulative <- nebraska_long %>%
  group_by(variable, Province_State, Admin2) %>%
  select(Province_State, Admin2, "variable", "value") %>%
  summarise(total_cases = sum(value))
nebraska_county_cases_daily <- nebraska_county_daily_cumulative %>%
  group_by(Province_State, Admin2) %>%
  mutate(cases_daily = total_cases - lag(total_cases)) %>%
  arrange(desc(cases_daily))
nebraska_county_cases_daily[1,-4]
```

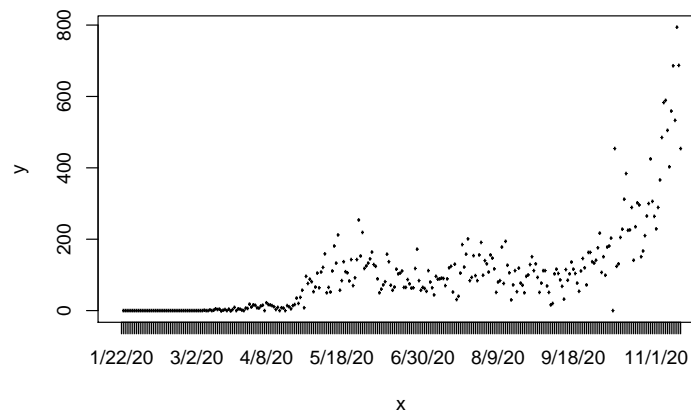
```
## # A tibble: 1 x 4
## # Groups:   Province_State, Admin2 [1]
##   variable Province_State Admin2 cases_daily
##   <fct>      <chr>      <chr>      <int>
## 1 11/12/20 Nebraska Douglas          794
```

- d. Identify two countries that have top total confirmed cases. Generate a time series plot of daily confirmed cases for these two countries.

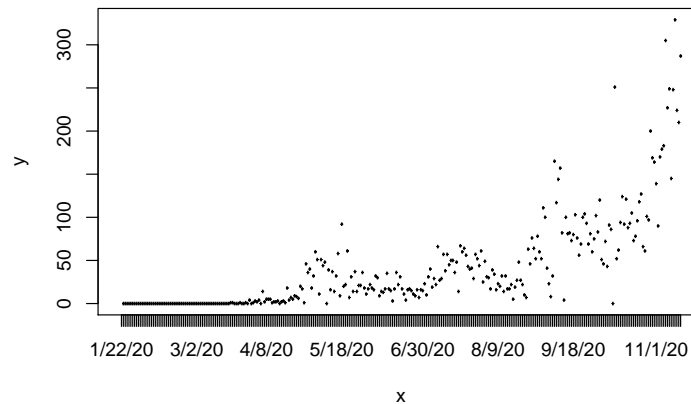
```
nebraska_county_cases_daily_7d <- nebraska_county_cases_daily %>%
  filter(variable == "11/7/20") %>%
  arrange(desc(total_cases))
head(nebraska_county_cases_daily_7d, n = 2L)
```

```
## # A tibble: 2 x 5
## # Groups:   Province_State, Admin2 [2]
##   variable Province_State Admin2   total_cases cases_daily
##   <fct>      <chr>         <chr>         <int>      <int>
## 1 11/7/20   Nebraska      Douglas      26422       505
## 2 11/7/20   Nebraska      Lancaster    10807       227
```

```
result_7d <- nebraska_county_cases_daily %>%
  filter(Admin2 == "Douglas" | Admin2 == "Lancaster") %>%
  arrange(variable)
result_7d <- result_7d[!(is.na(result_7d$cases_daily) | result_7d$cases_daily==""), ]
result_7d_Dou <- filter(result_7d, Admin2 == "Douglas")
result_7d_Lan <- filter(result_7d, Admin2 == "Lancaster")
plot(result_7d_Dou$variable, result_7d_Dou$cases_daily)
```



```
plot(result_7d_Lan$variable, result_7d_Lan$cases_daily)
```



- e. Show the total confirmed cases for all the locations in an interactive world map (hint: you may use `leaflet` package in R).

```
library(leaflet)
library(webshot)

install_phantomjs(version = "2.1.1",
  baseURL = "https://github.com/wch/webshot/releases/download/v0.3.1/",
  force = FALSE)

US_covid_confirmed_7e <- US_covid_confirmed
covid_long <- melt(US_covid_confirmed_7e, id=1:11) %>%
  select(Province_State, Admin2, Lat, Long_, "variable", "value")
daily_cumulative <- covid_long %>%
  group_by(Province_State, Admin2, variable, Lat, Long_) %>%
  select(Province_State, Admin2, Lat, Long_, "variable", "value") %>%
  summarise(total_cases = sum(value))
result_7e <- daily_cumulative %>%
  filter(variable == "11/7/20")
leaflet() %>%
  addTiles() %>%
  setView(lng=-95, lat=41, zoom = 4) %>%
  addCircleMarkers(lat = result_7e$Lat, lng = result_7e$Long_,
    popup = as.character(result_7e$total_cases),
    clusterOptions = markerClusterOptions())
```

