Data Cleaning LCdata

2022-11-16

#Assigment 1: Data Cleaning

```
getwd()
```

```
## [1] "C:/Users/yanni/OneDrive/Dokumente/FHNW_Data_Science/Scripts/DataCleaning"
```

```
cleaning <- read.csv("../../Data/In/Project/LCdata.csv", row.names=NULL,sep = ";" )
summary(cleaning)
```

```
##       id               member_id          loan_amnt       funded_amnt
## Min.   :   54734   Min.   :   70473   Min.   :  500   Min.   :  500
## 1st Qu.: 9207230   1st Qu.:10877939   1st Qu.: 8000   1st Qu.: 8000
## Median :34433372   Median :37095300   Median :13000   Median :13000
## Mean   :32463636   Mean   :35000265   Mean   :14754   Mean   :14741
## 3rd Qu.:54900100   3rd Qu.:58470266   3rd Qu.:20000   3rd Qu.:20000
## Max.   :68617057   Max.   :73544841   Max.   :35000   Max.   :35000
##
## funded_amnt_inv     term              int_rate      installment
## Min.   :    0   Length:798641      Min.   : 5.32   Min.   :  15.67
## 1st Qu.: 8000   Class :character   1st Qu.: 9.99   1st Qu.: 260.55
## Median :13000   Mode  :character   Median :12.99   Median : 382.55
## Mean   :14702                      Mean   :13.24   Mean   : 436.66
## 3rd Qu.:20000                      3rd Qu.:16.20   3rd Qu.: 572.60
## Max.   :35000                      Max.   :28.99   Max.   :1445.46
##
##   emp_title          emp_length        home_ownership       annual_inc
## Length:798641      Length:798641      Length:798641      Min.   :      0
## Class :character   Class :character   Class :character   1st Qu.:  45000
## Mode  :character   Mode  :character   Mode  :character   Median :  65000
##                                                          Mean   :  75014
##                                                          3rd Qu.:  90000
##                                                          Max.   :9500000
##                                                          NA's   :4
## verification_status   issue_d           loan_status        pymnt_plan
## Length:798641      Length:798641      Length:798641      Length:798641
## Class :character   Class :character   Class :character   Class :character
## Mode  :character   Mode  :character   Mode  :character   Mode  :character
##
##
##
##
##     url               desc             purpose            title
## Length:798641      Length:798641      Length:798641      Length:798641
```

```
## Class :character   Class :character   Class :character   Class :character
## Mode  :character   Mode  :character   Mode  :character   Mode  :character
##
##
##
##
##    zip_code          addr_state             dti           delinq_2yrs
## Length:798641     Length:798641      Min.   :   0.00   Min.   : 0.0000
## Class :character   Class :character   1st Qu.:  11.91   1st Qu.: 0.0000
## Mode  :character   Mode  :character   Median :  17.66   Median : 0.0000
##                                       Mean   :  18.16   Mean   : 0.3145
##                                       3rd Qu.:  23.95   3rd Qu.: 0.0000
##                                       Max.   :9999.00   Max.   :39.0000
##                                                         NA's   :25
## earliest_cr_line  inq_last_6mths    mths_since_last_delinq
## Length:798641     Min.   : 0.0000   Min.   :  0.0
## Class :character   1st Qu.: 0.0000   1st Qu.: 15.0
## Mode  :character   Median : 0.0000   Median : 31.0
##                   Mean   : 0.6947   Mean   : 34.1
##                   3rd Qu.: 1.0000   3rd Qu.: 50.0
##                   Max.   :33.0000   Max.   :188.0
##                   NA's   :25        NA's   :408818
## mths_since_last_record    open_acc         pub_rec          revol_bal
## Min.   :  0.0          Min.   : 0.00    Min.   : 0.0000   Min.   :      0
## 1st Qu.: 51.0          1st Qu.: 8.00    1st Qu.: 0.0000   1st Qu.:   6443
## Median : 70.0          Median :11.00    Median : 0.0000   Median :  11876
## Mean   : 70.1          Mean   :11.55    Mean   : 0.1953   Mean   :  16930
## 3rd Qu.: 92.0          3rd Qu.:14.00    3rd Qu.: 0.0000   3rd Qu.:  20839
## Max.   :129.0          Max.   :90.00    Max.   :63.0000   Max.   :2904836
## NA's   :675190         NA's   :25       NA's   :25        NA's   :2
##   revol_util        total_acc       initial_list_status   out_prncp
## Min.   :  0.00   Min.   :  1.00   Length:798641        Min.   :    0
## 1st Qu.: 37.70   1st Qu.: 17.00   Class :character     1st Qu.:    0
## Median : 56.00   Median : 24.00   Mode  :character     Median : 6454
## Mean   : 55.05   Mean   : 25.27                        Mean   : 8402
## 3rd Qu.: 73.50   3rd Qu.: 32.00                        3rd Qu.:13661
## Max.   :892.30   Max.   :169.00                        Max.   :49373
## NA's   :454      NA's   :25
## out_prncp_inv     total_pymnt     total_pymnt_inv total_rec_prncp
## Min.   :    0   Min.   :    0   Min.   :    0   Min.   :    0
## 1st Qu.:    0   1st Qu.: 1913   1st Qu.: 1898   1st Qu.: 1200
## Median : 6452   Median : 4895   Median : 4862   Median : 3216
## Mean   : 8399   Mean   : 7557   Mean   : 7520   Mean   : 5757
## 3rd Qu.:13656   3rd Qu.:10612   3rd Qu.:10561   3rd Qu.: 8000
## Max.   :49373   Max.   :56809   Max.   :56475   Max.   :35000
##
## total_rec_int    total_rec_late_fee   recoveries
## Min.   :    0.0   Min.   :  0.0000   Min.   :    0.00
## 1st Qu.:  441.5   1st Qu.:  0.0000   1st Qu.:    0.00
## Median : 1072.7   Median :  0.0000   Median :    0.00
## Mean   : 1753.8   Mean   :  0.3962   Mean   :   45.88
## 3rd Qu.: 2236.9   3rd Qu.:  0.0000   3rd Qu.:    0.00
## Max.   :24205.6   Max.   :358.6800   Max.   :33520.27
##
```

```
## collection_recovery_fee last_pymnt_d        last_pymnt_amnt
## Min.   :   0.000      Length:798641     Min.   :    0.0
## 1st Qu.:   0.000      Class :character  1st Qu.:  279.9
## Median :   0.000      Mode  :character  Median :  462.6
## Mean   :   4.874                        Mean   : 2162.3
## 3rd Qu.:   0.000                        3rd Qu.:  830.3
## Max.   :7002.190                        Max.   :36475.6
##
## next_pymnt_d        last_credit_pull_d collections_12_mths_ex_med
## Length:798641       Length:798641      Min.   : 0.00000
## Class :character    Class :character   1st Qu.: 0.00000
## Mode  :character    Mode  :character   Median : 0.00000
##                                        Mean   : 0.01447
##                                        3rd Qu.: 0.00000
##                                        Max.   :20.00000
##                                        NA's   :126
## mths_since_last_major_derog  policy_code application_type   annual_inc_joint
## Min.   :  0.0               Min.   :1    Length:798641      Min.   : 17950
## 1st Qu.: 27.0              1st Qu.:1    Class :character   1st Qu.: 76167
## Median : 44.0              Median :1    Mode  :character   Median :101886
## Mean   : 44.1              Mean   :1                       Mean   :110745
## 3rd Qu.: 61.0              3rd Qu.:1                       3rd Qu.:133000
## Max.   :188.0              Max.   :1                       Max.   :500000
## NA's   :599107                                            NA's   :798181
##   dti_joint      verification_status_joint acc_now_delinq
## Min.   : 3.0     Length:798641             Min.   : 0.000000
## 1st Qu.:13.3     Class :character          1st Qu.: 0.000000
## Median :17.7     Mode  :character          Median : 0.000000
## Mean   :18.4                               Mean   : 0.005026
## 3rd Qu.:22.6                               3rd Qu.: 0.000000
## Max.   :43.9                               Max.   :14.000000
## NA's   :798183                             NA's   :25
##   tot_coll_amt      tot_cur_bal       open_acc_6m        open_il_6m
## Min.   :      0   Min.   :       0   Min.   : 0.0     Min.   : 0.0
## 1st Qu.:      0   1st Qu.:   29861   1st Qu.: 0.0     1st Qu.: 1.0
## Median :      0   Median :   80647   Median : 1.0     Median : 2.0
## Mean   :    228   Mean   :  139508   Mean   : 1.1     Mean   : 2.9
## 3rd Qu.:      0   3rd Qu.:  208229   3rd Qu.: 2.0     3rd Qu.: 4.0
## Max.   :9152545   Max.   : 8000078   Max.   :14.0     Max.   :33.0
## NA's   :63276     NA's   :63276      NA's   :779525   NA's   :779525
##   open_il_12m      open_il_24m      mths_since_rcnt_il   total_bal_il
## Min.   : 0.0     Min.   : 0.0     Min.   :  0.0        Min.   :     0
## 1st Qu.: 0.0     1st Qu.: 0.0     1st Qu.:  6.0        1st Qu.: 10164
## Median : 0.0     Median : 1.0     Median : 12.0        Median : 24545
## Mean   : 0.8     Mean   : 1.7     Mean   : 21.1        Mean   : 36429
## 3rd Qu.: 1.0     3rd Qu.: 2.0     3rd Qu.: 23.0        3rd Qu.: 47640
## Max.   :12.0     Max.   :19.0     Max.   :363.0        Max.   :878459
## NA's   :779525   NA's   :779525   NA's   :780030       NA's   :779525
##     il_util        open_rv_12m       open_rv_24m        max_bal_bc
## Min.   :  0.0    Min.   : 0.0     Min.   : 0       Min.   :    0
## 1st Qu.: 58.4    1st Qu.: 0.0     1st Qu.: 1       1st Qu.: 2406
## Median : 74.8    Median : 1.0     Median : 2       Median : 4502
## Mean   : 71.5    Mean   : 1.4     Mean   : 3       Mean   : 5878
## 3rd Qu.: 87.7    3rd Qu.: 2.0     3rd Qu.: 4       3rd Qu.: 7774
```

```
##   Max.    :223.3    Max.    :22.0    Max.    :43       Max.    :83047
##   NA's  :782007     NA's  :779525    NA's  :779525     NA's  :779525
##      all_util        total_rev_hi_lim       inq_fi         total_cu_tl
##   Min.    :  0.0     Min.    :      0   Min.    : 0.0    Min.    : 0.0
##   1st Qu.: 47.6      1st Qu.:  13900    1st Qu.: 0.0     1st Qu.: 0.0
##   Median : 61.9      Median :  23700    Median : 0.0     Median : 0.0
##   Mean    : 60.8     Mean    :  32093   Mean    : 0.9    Mean    : 1.5
##   3rd Qu.: 75.2      3rd Qu.:  39800    3rd Qu.: 1.0     3rd Qu.: 2.0
##   Max.    :151.4     Max.    :9999999   Max.    :16.0    Max.    :35.0
##   NA's  :779525      NA's  :63276       NA's  :779525    NA's  :779525
##     inq_last_12m
##   Min.    :-4
##   1st Qu.: 0
##   Median : 2
##   Mean    : 2
##   3rd Qu.: 3
##   Max.    :32
##   NA's   :779525
```

remove NA's. Remove whole lines or replace them with a value. with the code which() and choosing the corect column, you can add TRUE so it will show you the row in that column where the NA is located. library(dplyr) #is the most usefull library, google it bitch!#calling the dplyr library by pressing alt+shift+m

in the data cleaning, I choose to use dplyr library to select the row anual income I save in the data cleaning the following; by calling filter is.na i say delete me all the rows that have na data in anual income, because as seen in the sumary, it's only 4 rows and therefore legit. By calling select i delete whole colums. With the minus in front of the name of the colums I say R which column to delete. mutate() adds new variables and preserves existing ones. the new colums is called _cat. Ifelse transforms months sice delinq into _cat. With the if else function I look at the month since last delinwuency. There were 400k NA's and the values were a tring. So the first task is to group that data by inspecting it in a histogram. We saw there that the data goes up to 500 months. The grouping is more subjective with business knowledge. After the grouping done by ifelse, they have to be tuned into numbers via

```
which(is.na(cleaning$annual_inc)== TRUE)
```

```
## [1]     2     3 44689 73832
```

```
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
cleaning <- cleaning %>%
  filter(!(is.na(annual_inc))) %>%
    filter(!(is.na(delinq_2yrs)))%>%
      filter(!(is.na(revol_bal))) %>%
        filter(!(is.na(revol_util))) %>%
          filter(!(is.na(collections_12_mths_ex_med))) %>%

select( -id, -member_id, -title, -emp_title, -loan_status, -funded_amnt, -funded_amnt_inv, -loan_status

  mutate(
    mths_since_delinq_cat = ifelse(is.na(mths_since_last_delinq)== TRUE,"No_delinq",
                            ifelse(mths_since_last_delinq <= 12, "recent",
                              ifelse(mths_since_last_delinq <= 36, "1_to_3_years",
                                ifelse(mths_since_last_delinq <= 60,     "3_to_5_years","more_

  ) %>% select(-mths_since_last_delinq)

cleaning$mths_since_delinq_cat <- as.factor(cleaning$mths_since_delinq_cat)
```

So this now was the very basis. All the colums rows are deleted, the first NA's are cleaned and the mutation from a huge number of dataset into subsets as strings and then into numbers is done. This is the basis for the rest of the data cleaning. Starting with the NA's. delinq_2_years has 21 NA's. It's worth's go from 0 to 39. The column tells us how many "bad entries" did someone have in a certain register. So the first question to ask here is, how to replace the NA's? Delete the entire row? Or delete the entire column? So most of the cases had no delinq within the last two years. So what's the impact on the interest of the few ones that had a delinq?

revol_bal has only 2 NA's which means deleting the row! revol_util has 429 NA's which is more but compared to the dataset of 800k entries vernachlässigbar collections_12_mths_ex_med has 101 NA's which is more but compared to the dataset of 800k entries vernachlässigbar

#Summary of NA's

Now to the cases that have more than 1k NA's which should not be deleted, are the following:

mths_since_last_record 675165 The number of months since the last public record. mths_since_last_major_derog 599082 Months since most recent 90-day or worse rating annual_inc_joint 798156 The combined self-reported annual income provided by the co-borrowers during registration
dti_joint 798158 A ratio calculated using the co-borrowers' total monthly payments on the total debt obligations, excluding mortgages and the requested LC loan, divided by the co-borrowers' combined self-reported monthly income tot_coll_amt 63251 Total collection amounts ever owed tot_cur_bal 63251 Total current balance of all accounts open_acc_6m 779500 Number of open trades in last 6 months open_il_6m 779500 Number of currently active installment trades open_il_12m 779500 Number of installment accounts opened in past 12 months open_il_24m 779500 Number of installment accounts opened in past 24 months mths_since_rcnt_il 780005 Months since most recent installment accounts opened total_bal_il 779500 Total current balance of all installment accounts il_util 781982 Ratio of total current balance to high credit/credit limit on all install acct open_rv_12m 779500 Number of revolving trades opened in past 12 months open_rv_24m 779500
total_rev_hi_lim 63251 Total revolving high credit/credit limit max_bal_bc 779500 Maximum current balance owed on all revolving accounts all_util 779500 Balance to credit limit on all trades inq_fi 779500 Number of personal finance inquiries total_cu_tl 779500 Number of finance trades inq_last_12m 779500 Number of credit inquiries in past 12 months

```
library(ggplot2)
ggplot(data = cleaning, mapping = aes(x=mths_since_last_record))+geom_histogram()
```

`stat_bin()` using `bins = 30`. Pick better value with `binwidth`.

Warning: Removed 674745 rows containing non-finite values (`stat_bin()`).
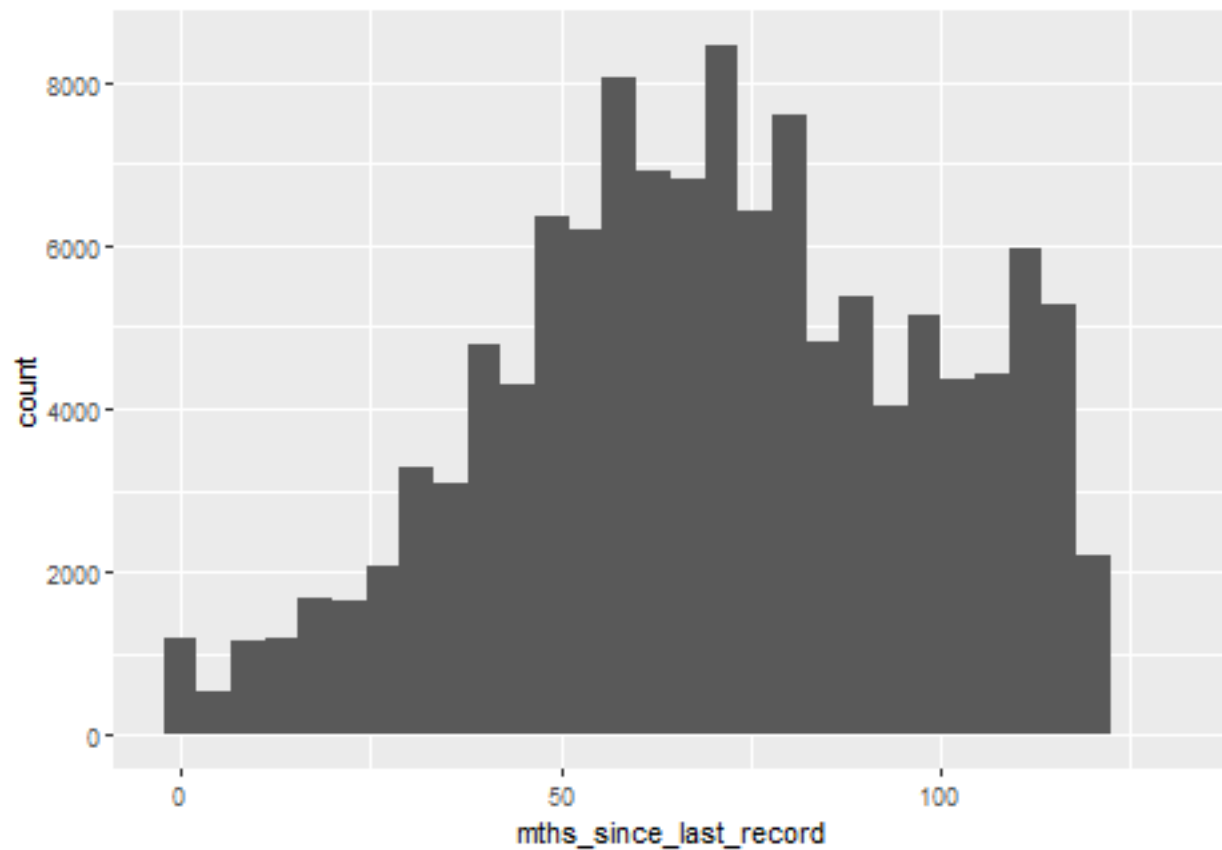

```r
ggplot(data = cleaning, mapping = aes(x=int_rate,y=mths_since_last_record))+geom_point(alpha=0.2)
```

Warning: Removed 674745 rows containing missing values (`geom_point()`).
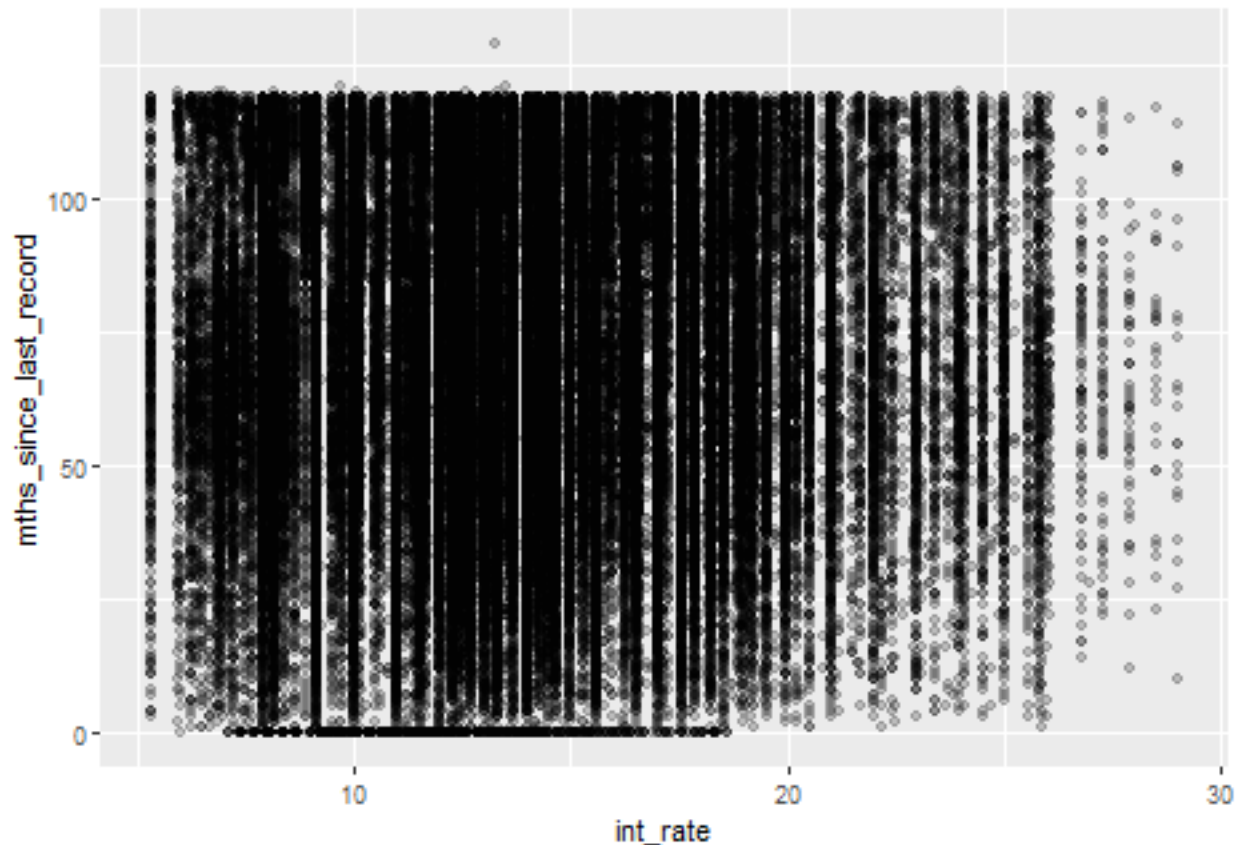
After plotting, no corelation could be detected. Therefore categorizing would be another try.

#Cleaning of mths_since_last_record

```
#cleaning aproach for mths_since_last_record: These NA's seem to never have had a record in a debt enfo

cleaning <- cleaning %>% mutate(mths_since_last_record = ifelse(is.na(mths_since_last_record), 0, mths_s

cleaning <- cleaning %>%
  mutate(mths_since_last_record_cat = ifelse(mths_since_last_record== 0,"No_record",
                              ifelse(mths_since_last_record <= 12, "recent",
                                    ifelse(mths_since_last_record <= 36, "1_to_3_years",
                                          ifelse(mths_since_last_record <= 60,    "3_to_5_years","more_

cleaning$mths_since_last_record_cat <- as.factor(cleaning$mths_since_last_record_cat)

#Plotting again to see results

ggplot(data = cleaning, mapping = aes(x=int_rate,y=mths_since_last_record_cat))+geom_point(alpha=0.2)
```
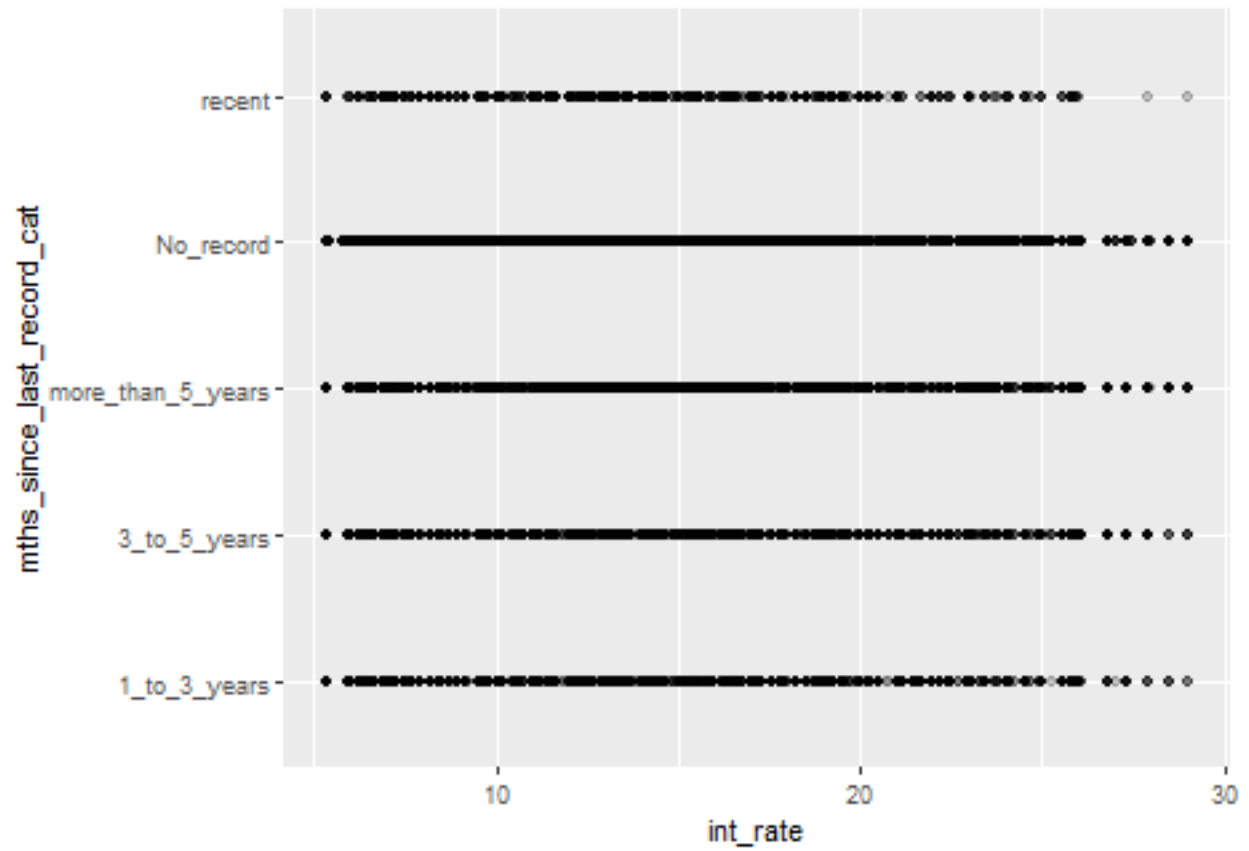
```
ggplot(data = cleaning, mapping = aes(x=int_rate,y=mths_since_last_record_cat))+geom_boxplot()
```
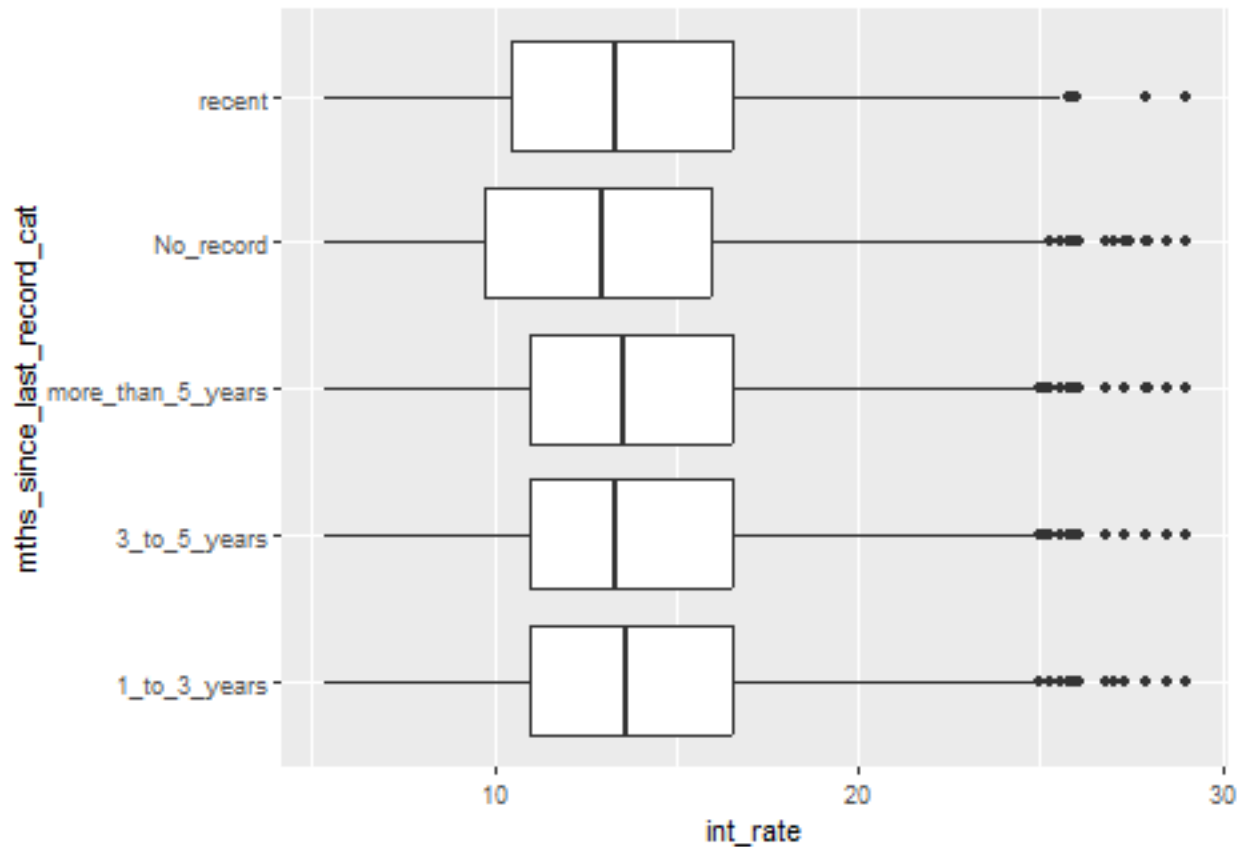
The results seem very odd. There is only a small, insignificant change in the interest rate when someone never had an entry in a public register. It doesn't seem to matter, if you just had a record compared to when you had a bad entry more then 5 years ago. It even seems to be better if you just had something negative which we believe, is not taken into account by Lending Club or they are doing a bad job in underwriting which may explain that they are out of business.

#Cleaning of mths_since_last_major_derog

```
#Plotting uncleaned mths_since_last_major_derog
ggplot(data = cleaning, mapping = aes(x=int_rate,y=mths_since_last_major_derog))+geom_point(alpha=0.2)
```

```
## Warning: Removed 598693 rows containing missing values ('geom_point()').
```
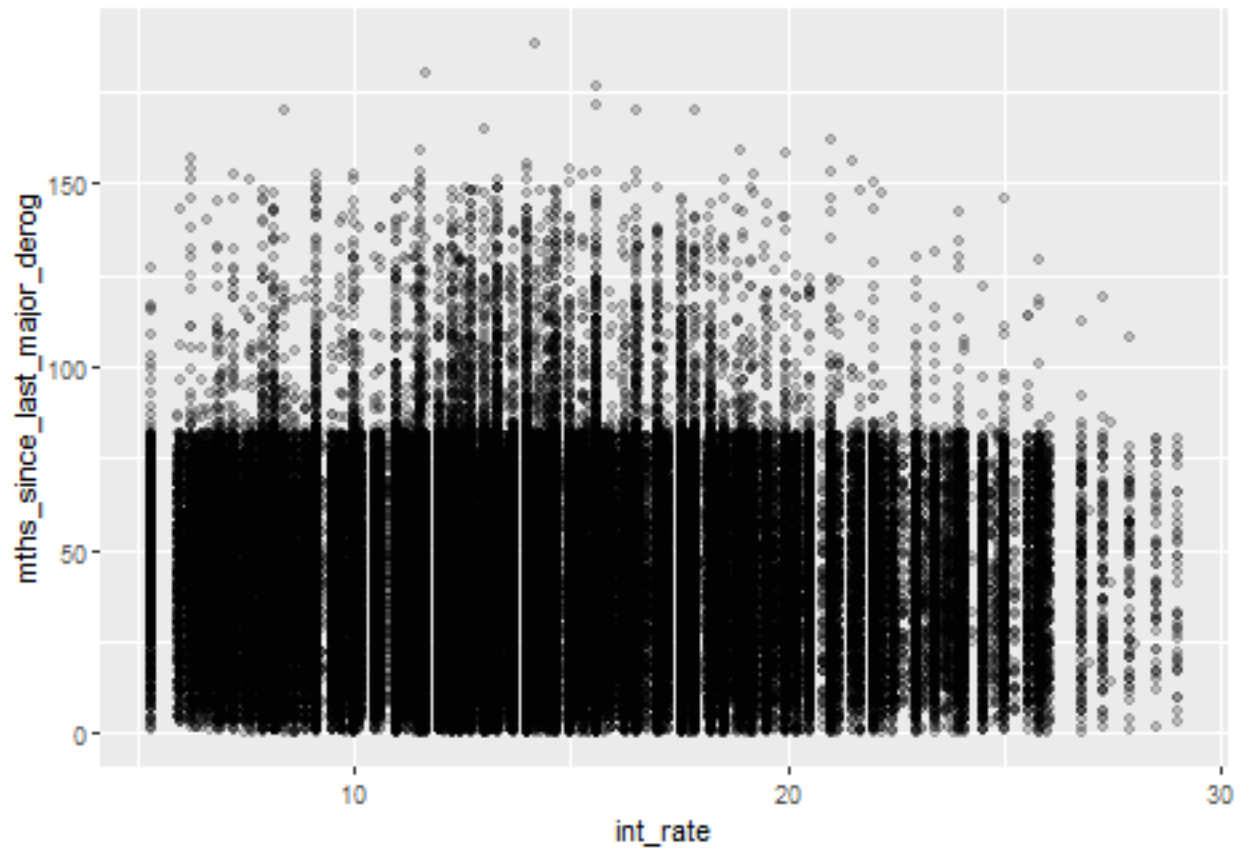
```r
ggplot(data = cleaning, mapping = aes(x=int_rate,y=mths_since_last_major_derog))+geom_boxplot()
```

```
## Warning: Continuous x aesthetic
## i did you forget 'aes(group = ...)'?
```

```
## Warning: Removed 598693 rows containing non-finite values ('stat_boxplot()').
```
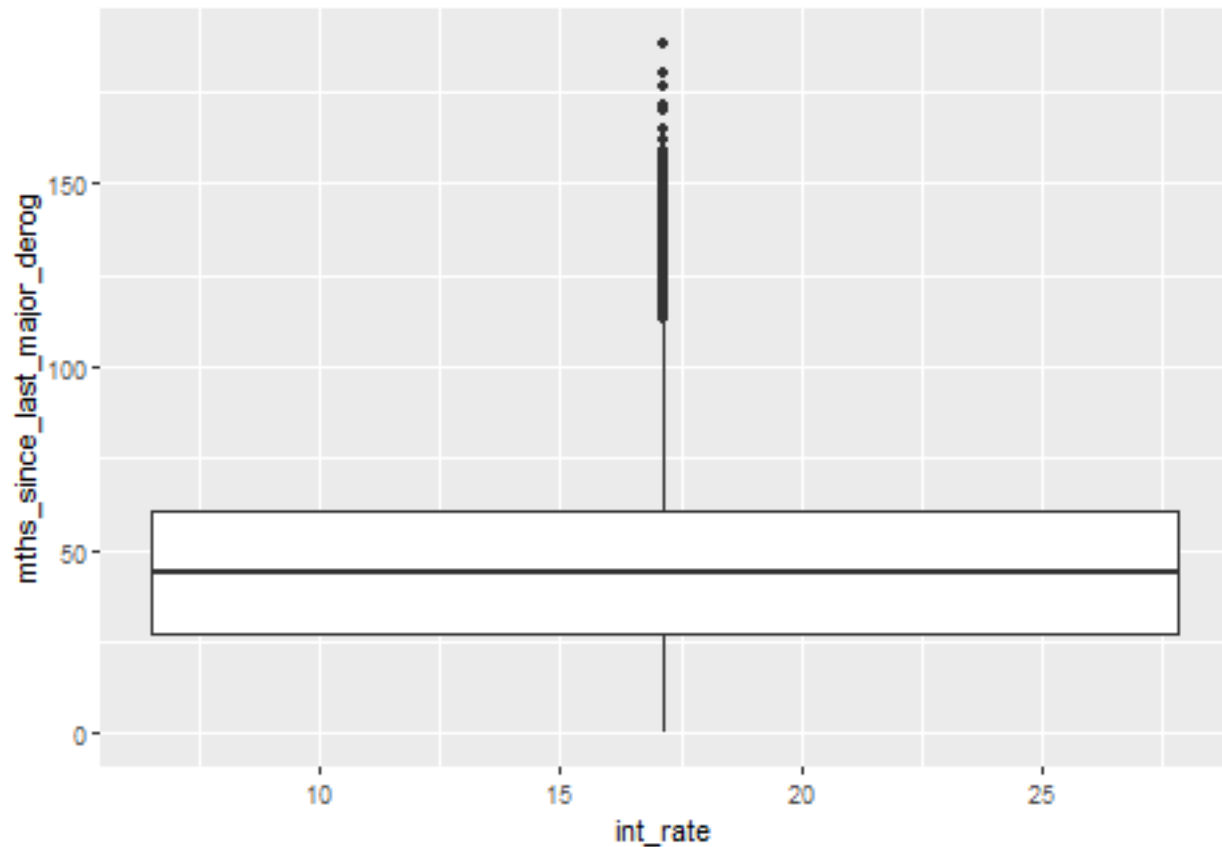
```
#Cleaning mths_since_last_major_derog
cleaning <- cleaning %>% mutate(
    mths_since_last_major_derog_cat = ifelse(is.na(mths_since_last_major_derog)== TRUE,"No_derog",
                            ifelse(mths_since_last_major_derog <= 12, "recent",
                                ifelse(mths_since_last_major_derog <= 36, "1_to_3_years",
                                    ifelse(mths_since_last_major_derog <= 60,    "3_to_5_years",
  ) %>% select(-mths_since_last_major_derog)

cleaning$mths_since_last_major_derog_cat <- as.factor(cleaning$mths_since_last_major_derog_cat)

#Plotting cleaned mths_since_last_major_derog

ggplot(data = cleaning, mapping = aes(x=int_rate,y=mths_since_last_major_derog_cat))+geom_point(alpha=0
```
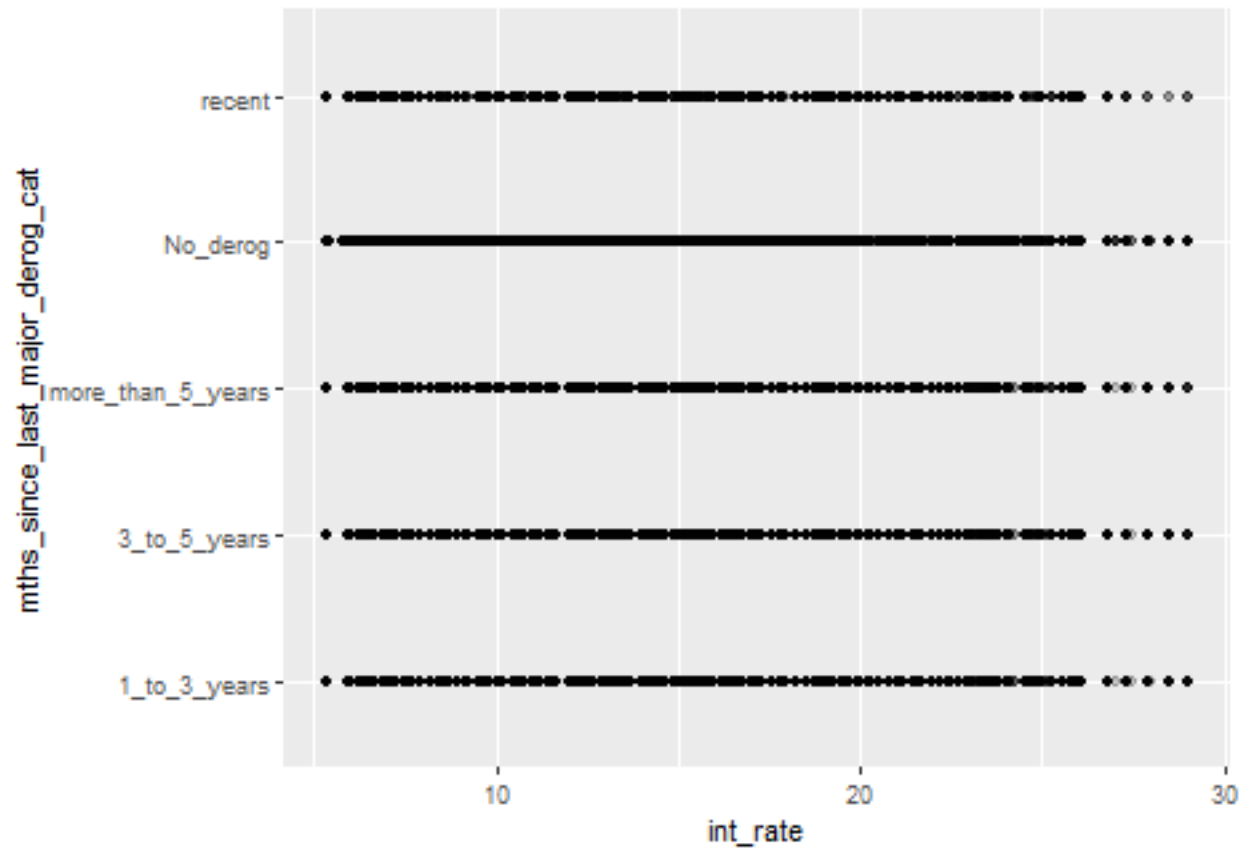
```
ggplot(data = cleaning, mapping = aes(x=int_rate,y=mths_since_last_major_derog_cat))+geom_boxplot()
```
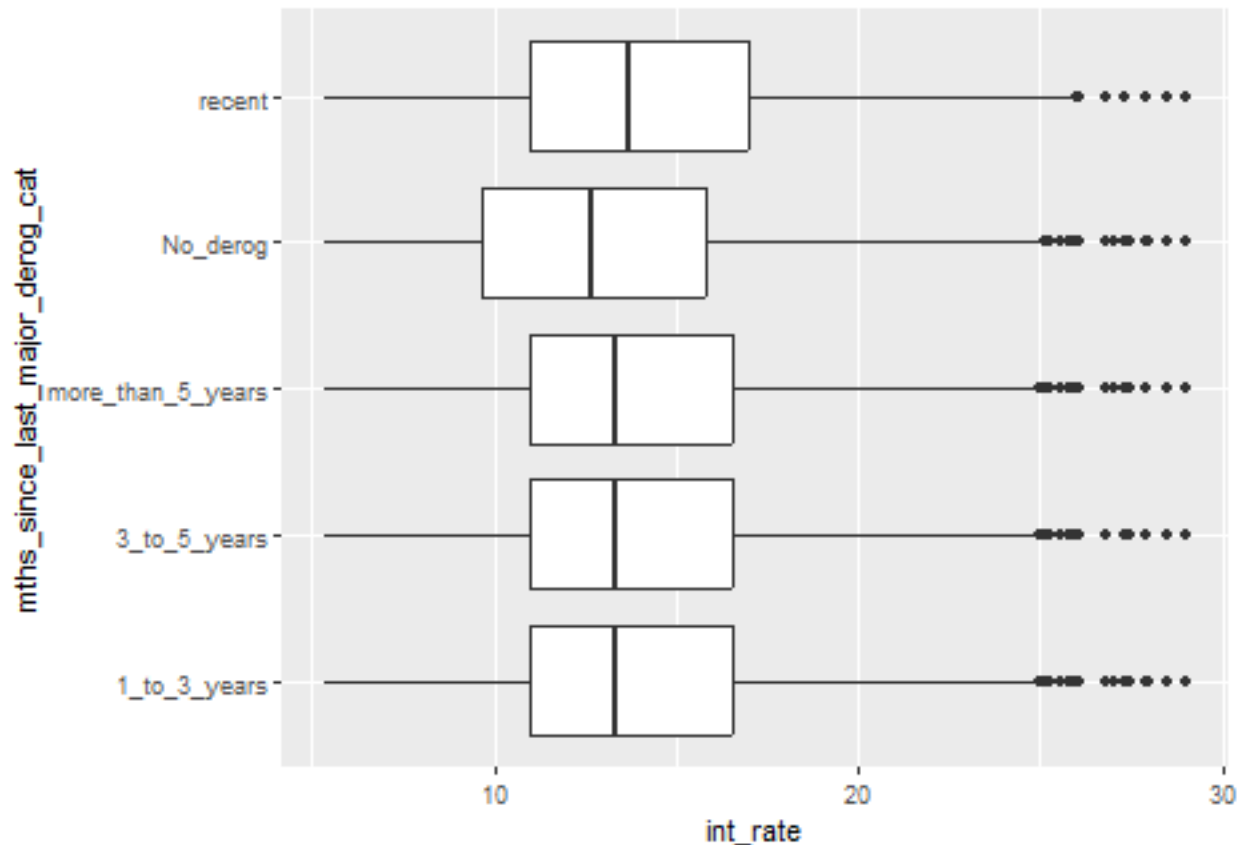
Same results for derog like for last record.... the data seems again very odd and a picture of how bad they might have done their underwriting forms.

#Cleaning of annual_inc_joint and dti_joint Before cleaning, this data only shows, if there is a joint income. Same applies for dti and dti_joint. Therefore dti and annual income should be merged. So if somebody has a joint application, then joint income and joint dti should be taken. If somebody has an individual application, the values from annual_inc and dti should be taken. This is the correct way to clean it because some entries have the value zero for annual inc but a higher value for the joint inc which means that only the second applicant has an income. Same for dti. annual_inc_joint annual_inc mutate(address = ifelse(address == '',work_address,address))

```
#merging annual income
cleaning <- cleaning %>% mutate(
    annual_inc_merged = ifelse(is.na(annual_inc_joint)== TRUE, annual_inc,annual_inc_joint))

cleaning <- cleaning %>% select(-annual_inc,-annual_inc_joint)


#merging debt to income ratio
cleaning <- cleaning %>% mutate(
    dti_merged = ifelse(is.na(dti_joint)== TRUE, dti,dti_joint))

cleaning <- cleaning %>% select(-dti,-dti_joint)
```

#Cleaning of tot_coll_amt #ask SRI how to clean this outlier

```
#Plotting uncleaned tot_coll_amt

ggplot(data = cleaning, mapping = aes(x=int_rate,y=tot_coll_amt))+geom_point(alpha=0.2)
```

Warning: Removed 63072 rows containing missing values (`geom_point()`).


```
ggplot(data = cleaning, mapping = aes(x=int_rate,y=tot_coll_amt))+geom_boxplot()
```
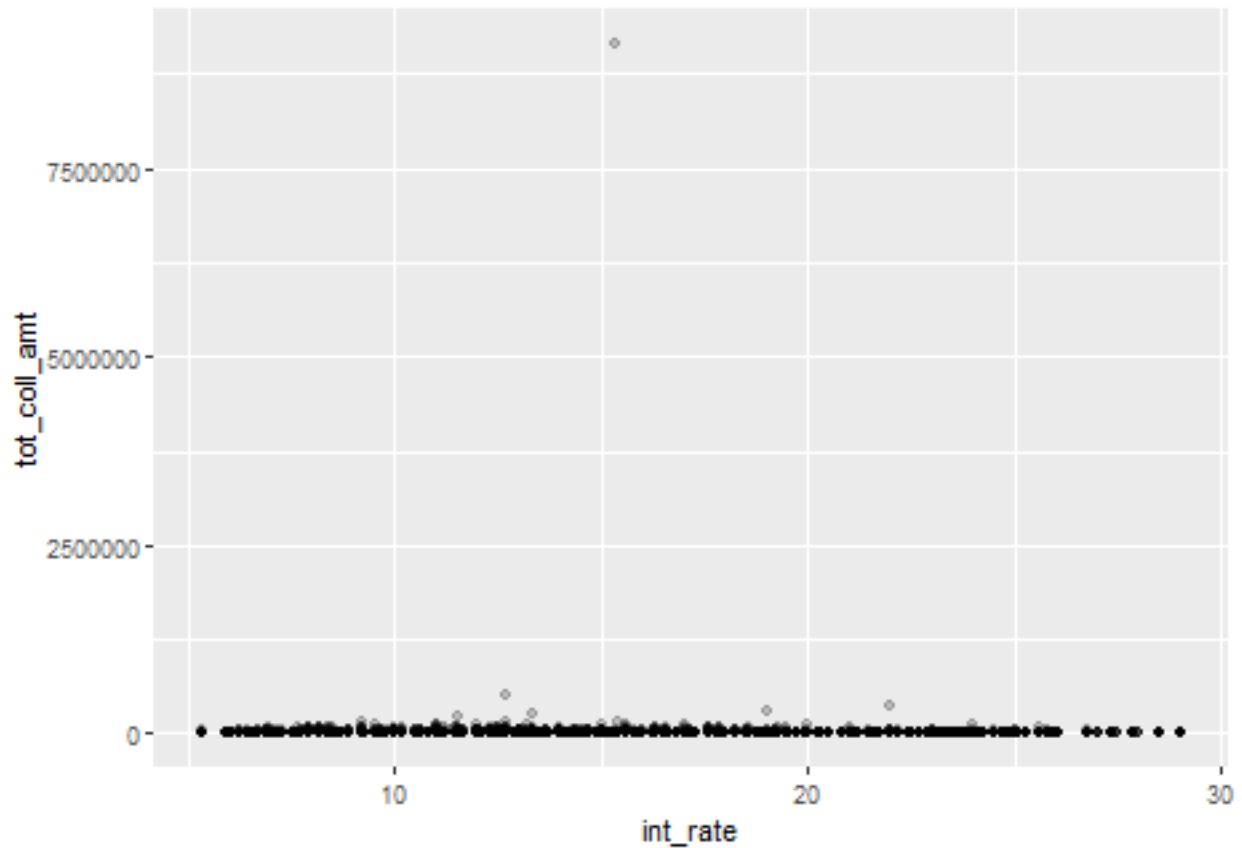
Warning: Continuous x aesthetic
i did you forget `aes(group = ...)`?

Warning: Removed 63072 rows containing non-finite values (`stat_boxplot()`).
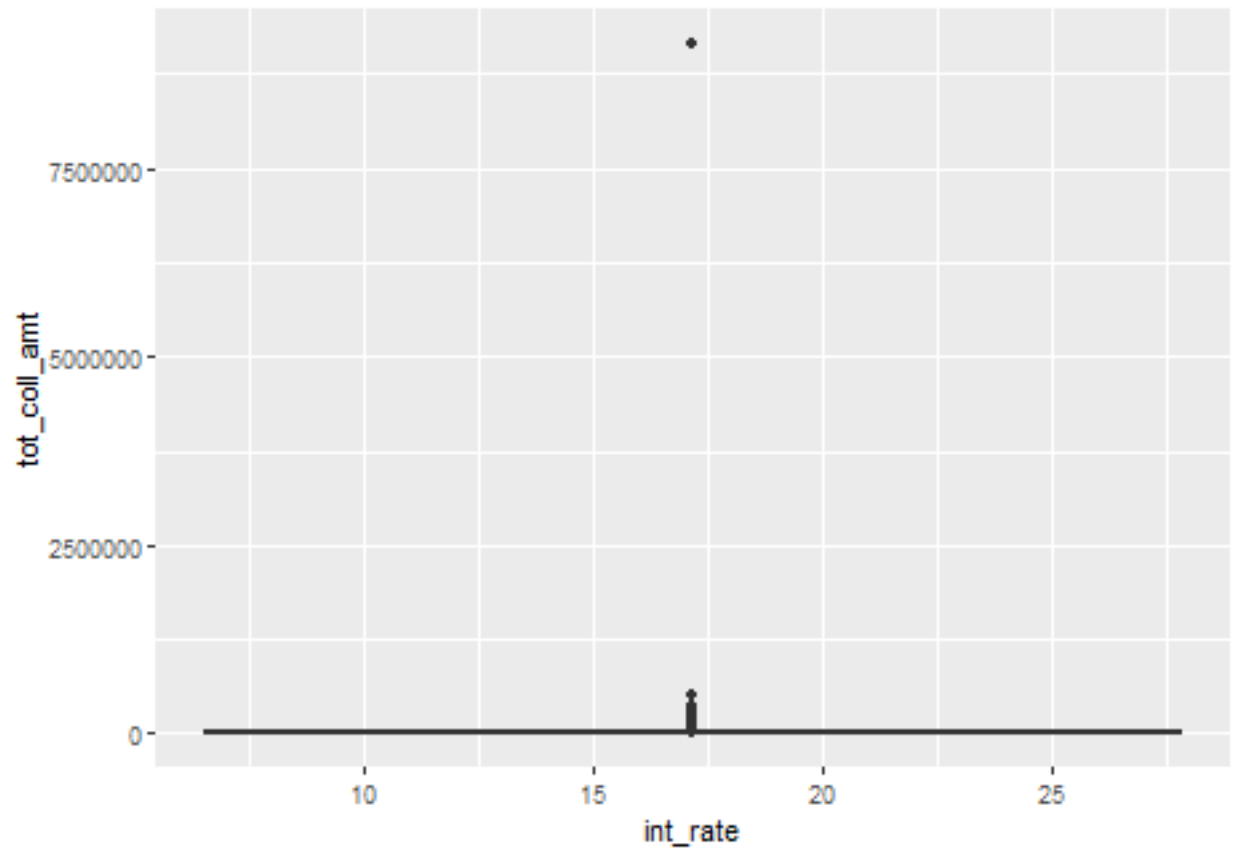
```
#Cleaning tot_coll_amt
cleaning <- cleaning %>% mutate(
    tot_coll_amt = ifelse(is.na(tot_coll_amt)== TRUE,0, tot_coll_amt))


#Plotting cleaned tot_coll_amt

ggplot(data = cleaning, mapping = aes(x=int_rate,y=tot_coll_amt))+geom_point(alpha=0.2)
```

```
ggplot(data = cleaning, mapping = aes(x=int_rate,y=tot_coll_amt))+geom_boxplot()
```
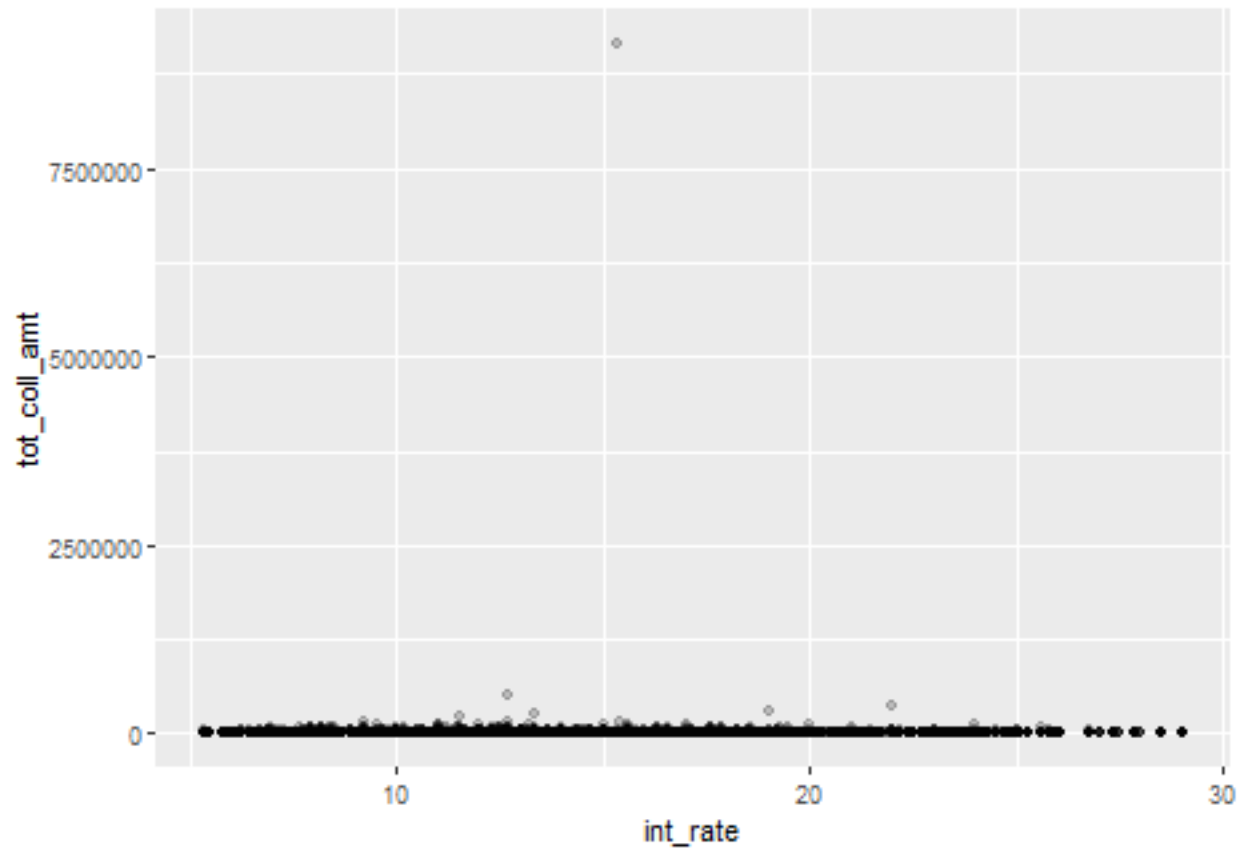
```
## Warning: Continuous x aesthetic
## i did you forget 'aes(group = ...)'?
```
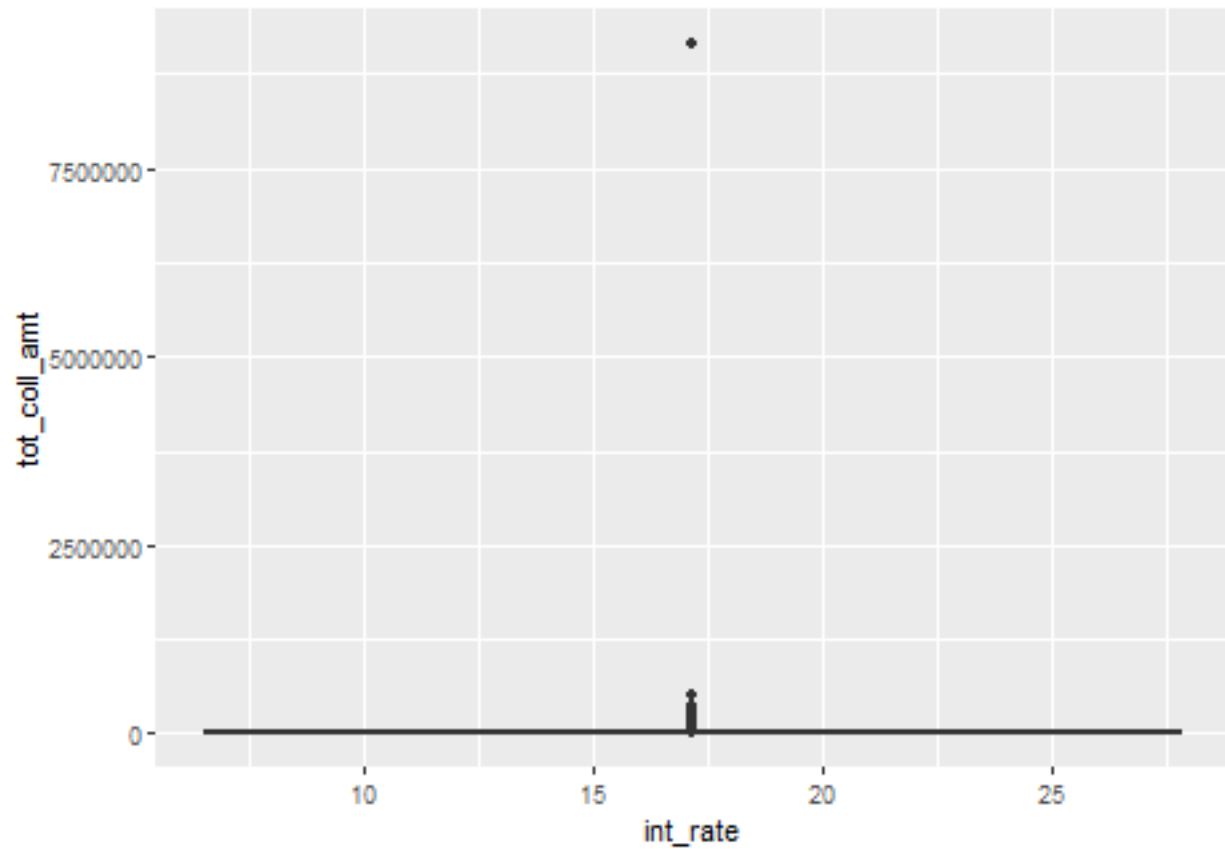
#Cleaning of tot_cur_bal #Outliers here as well

```
#Plotting uncleaned tot_cur_bal

ggplot(data = cleaning, mapping = aes(x=int_rate,y=tot_cur_bal))+geom_point(alpha=0.2)
```

```
## Warning: Removed 63072 rows containing missing values ('geom_point()').
```

```
ggplot(data = cleaning, mapping = aes(x=int_rate,y=tot_cur_bal))+geom_boxplot()
```

```
## Warning: Continuous x aesthetic
## i did you forget 'aes(group = ...)'?
```
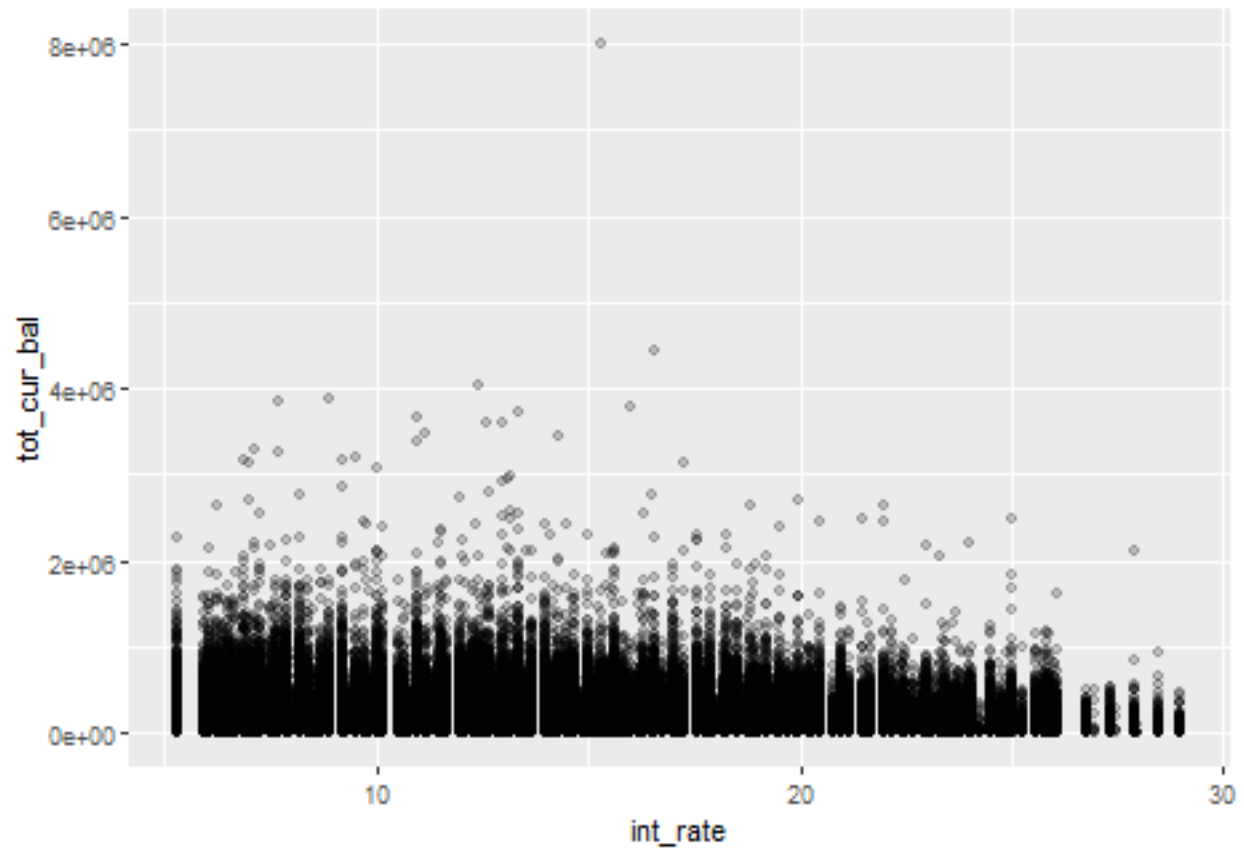
```
## Warning: Removed 63072 rows containing non-finite values ('stat_boxplot()').
```
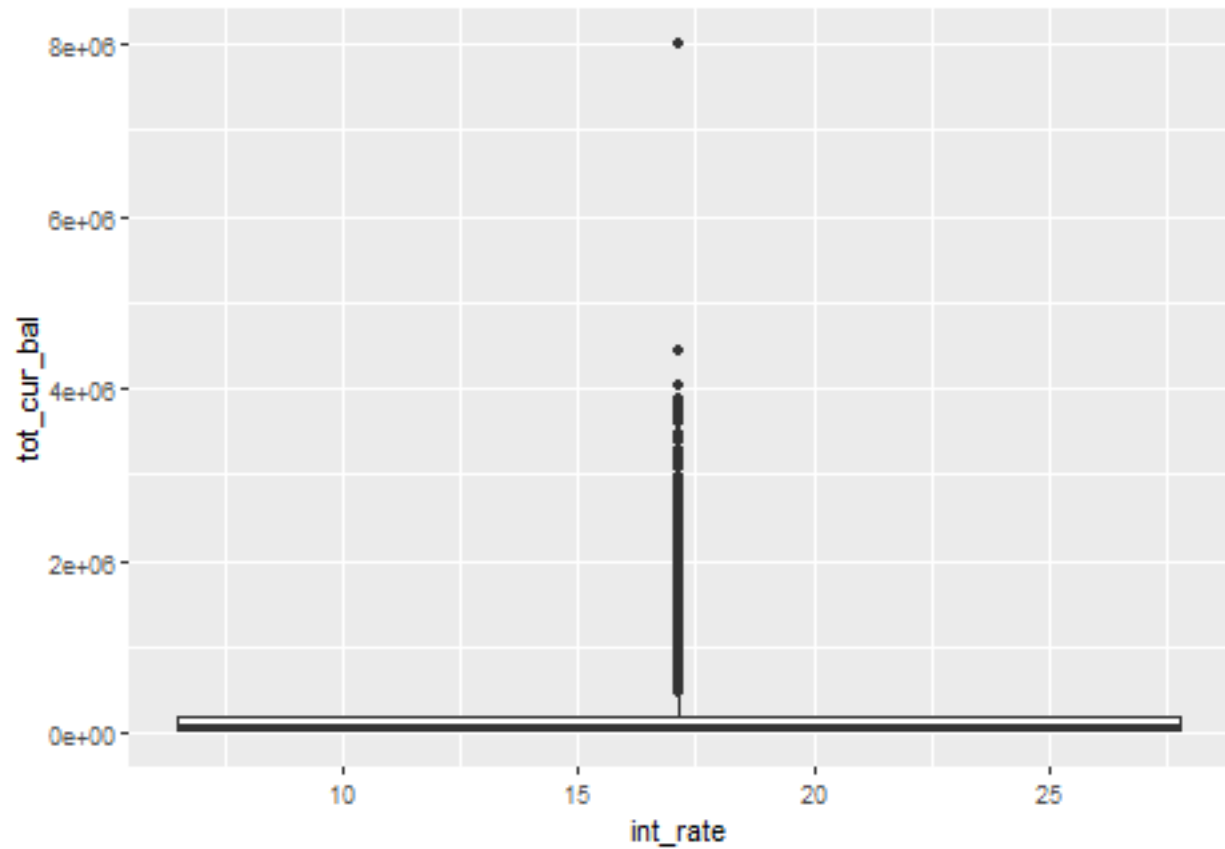
```
#Cleaning tot_cur_bal
cleaning <- cleaning %>% mutate(
    tot_cur_bal = ifelse(is.na(tot_cur_bal)== TRUE,0, tot_cur_bal))


#Plotting cleaned tot_cur_bal

ggplot(data = cleaning, mapping = aes(x=int_rate,y=tot_cur_bal))+geom_point(alpha=0.2)
```

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```
ggplot(data = cleaning, mapping = aes(x=int_rate,y=tot_cur_bal))+geom_boxplot()
```
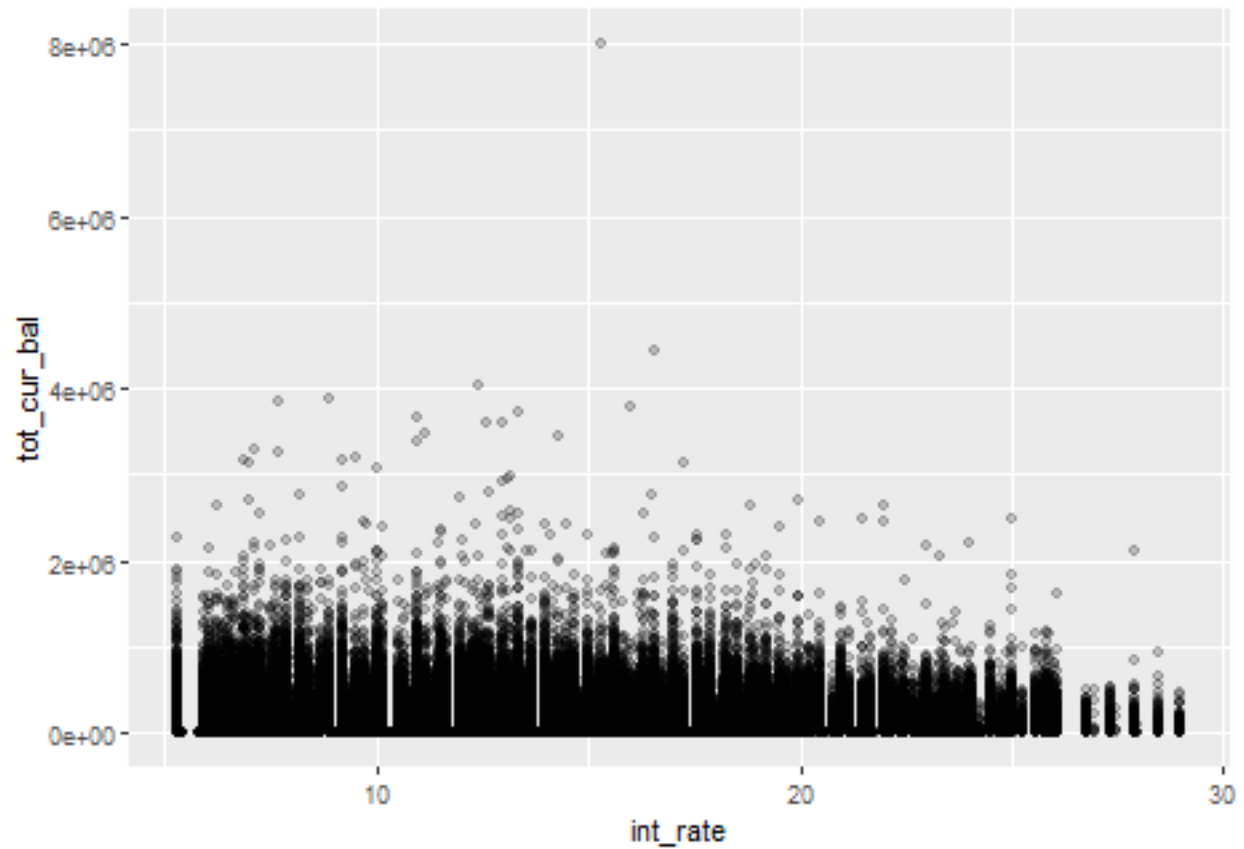
```
## Warning: Continuous x aesthetic
## i did you forget 'aes(group = ...)'?
```
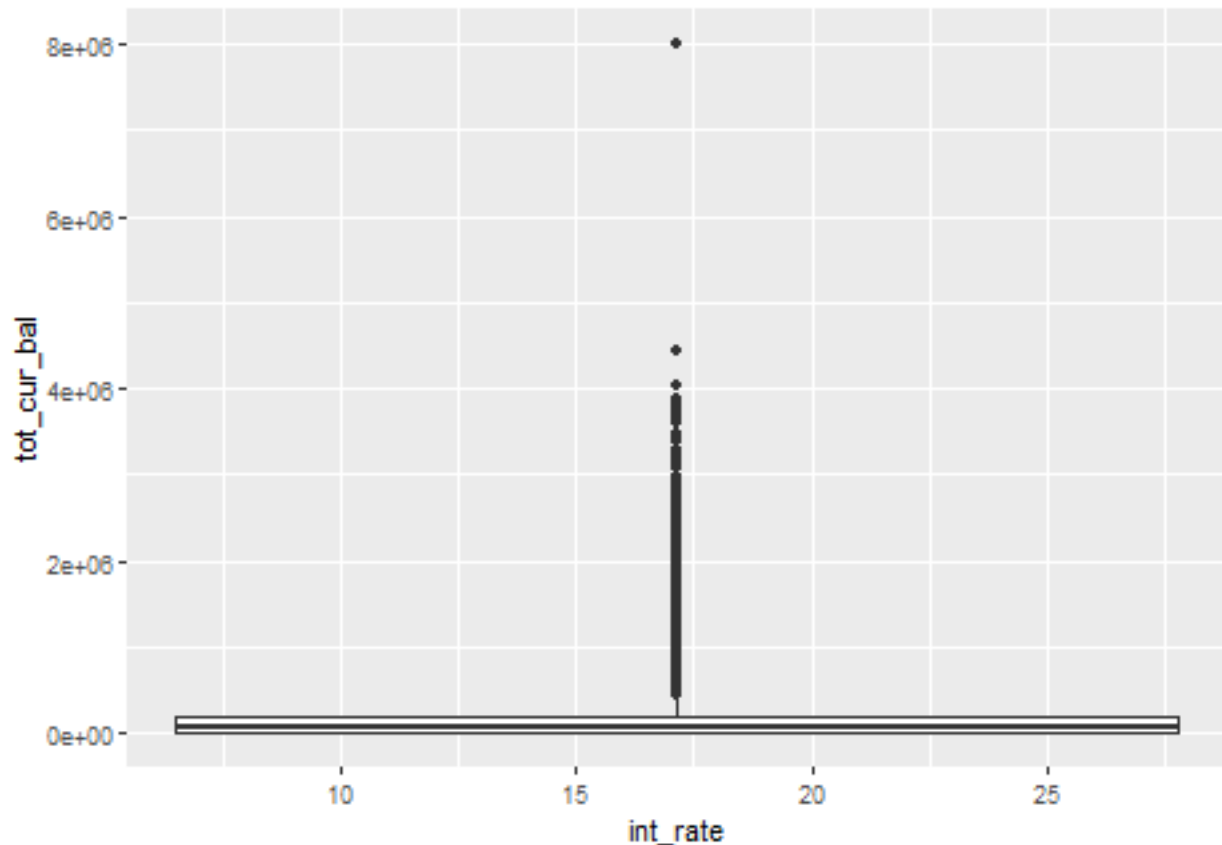
#Cleaning of open_acc_6m, open_il_6m, open_il_12m, open_il_24m #mths_since_rcnt_il, total_bal_il, il_util, open_rv_12m, open_rv_24m, total_rev_hi_lim, max_bal_bc, all_util, inq_fi, total_cu_tl, inq_last_12m

```
cleaning <- cleaning %>%                                          mutate(
    open_acc_6m = ifelse(is.na(open_acc_6m)== TRUE,0, open_acc_6m)) %>% mutate(
    open_il_6m = ifelse(is.na(open_il_6m)== TRUE,0, open_il_6m))   %>% mutate(
    open_il_12m = ifelse(is.na(open_il_12m)== TRUE,0, open_il_12m)) %>% mutate(
    open_il_24m = ifelse(is.na(open_il_24m)== TRUE,0, open_il_24m)) %>% mutate(
    mths_since_rcnt_il = ifelse(is.na(mths_since_rcnt_il)== TRUE,0, mths_since_rcnt_il)) %>% mutate(
    total_bal_il = ifelse(is.na(total_bal_il)== TRUE,0, total_bal_il)) %>% mutate(
    il_util = ifelse(is.na(il_util)== TRUE,0, il_util)) %>% mutate(
    open_rv_12m = ifelse(is.na(open_rv_12m)== TRUE,0, open_rv_12m)) %>% mutate(
    total_rev_hi_lim = ifelse(is.na(total_rev_hi_lim)== TRUE,0, total_rev_hi_lim)) %>% mutate(
    max_bal_bc = ifelse(is.na(max_bal_bc)== TRUE,0, max_bal_bc)) %>% mutate(
    all_util = ifelse(is.na(all_util)== TRUE,0, all_util)) %>% mutate(
    inq_fi = ifelse(is.na(inq_fi)== TRUE,0, inq_fi)) %>% mutate(
    total_cu_tl = ifelse(is.na(total_cu_tl)== TRUE,0, total_cu_tl)) %>% mutate(
    inq_last_12m = ifelse(is.na(inq_last_12m)== TRUE,0, inq_last_12m)) %>% mutate(
    open_rv_24m = ifelse(is.na(open_rv_24m)== TRUE,0, open_rv_24m))
```

#Changing the ones with characters to factors

```
cleaning$verification_status <- as.factor(cleaning$verification_status)
cleaning$verification_status_joint <- as.factor(cleaning$verification_status_joint)
cleaning$application_type <- as.factor(cleaning$application_type)
```

```
cleaning$initial_list_status <- as.factor(cleaning$initial_list_status)
cleaning$term <- as.factor(cleaning$term)
cleaning$purpose <- as.factor(cleaning$purpose)
cleaning$emp_length <- as.factor(cleaning$emp_length)
```

By checking the summary again it's clear to see that there are only 460 (rows) joint applications. This number is too small compared to the total dataset of almost 800k rows. Also by joining the dti's the data that correlates to the interest is contained. Therefore we should just delete the columns verification_status_joint as well as application_type

```
cleaning <- cleaning %>% select(-verification_status_joint, -application_type)
```

#Cleaning of emp_lenght

```
library(dplyr)
```

```
unique(cleaning$emp_length)
```

```
##  [1] 1 year    10+ years 2 years   3 years   4 years   5 years   6 years
##  [8] < 1 year  9 years   n/a       7 years   8 years
## 12 Levels: < 1 year 1 year 10+ years 2 years 3 years 4 years ... n/a
```

```
cleaning %>% filter(emp_length=="n/a")
```

```
##       loan_amnt        term int_rate installment emp_length home_ownership
## 1          8000  36 months     6.99      246.99        n/a       MORTGAGE
## 2          2400  36 months     7.90       75.10        n/a       MORTGAGE
## 3          5000  36 months     7.90      156.46        n/a       MORTGAGE
## 4         28000  36 months     5.32      843.22        n/a       MORTGAGE
## 5          9600  36 months     5.32      289.11        n/a       MORTGAGE
## 6         14900  36 months     5.32      448.72        n/a       MORTGAGE
## 7         25000  36 months     5.32      752.87        n/a       MORTGAGE
## 8          4000  36 months     6.89      123.31        n/a       MORTGAGE
## 9         19050  36 months     7.89      596.00        n/a       MORTGAGE
## 10         5000  36 months     6.24      152.66        n/a       MORTGAGE
## 11        18000  36 months     7.26      557.94        n/a       MORTGAGE
## 12         8500  36 months     5.32      255.98        n/a       MORTGAGE
## 13        12000  36 months     6.89      369.93        n/a       MORTGAGE
## 14         7000  36 months     7.89      219.00        n/a       MORTGAGE
## 15        12000  36 months     7.26      371.96        n/a       MORTGAGE
## 16         8000  36 months     5.32      240.92        n/a       MORTGAGE
## 17         4000  36 months     7.88      125.13        n/a       MORTGAGE
## 18         2000  36 months     6.99       61.75        n/a       MORTGAGE
## 19        12000  36 months     7.89      375.43        n/a       MORTGAGE
## 20         6000  36 months     5.32      180.69        n/a       MORTGAGE
## 21         8400  36 months     7.89      262.80        n/a       MORTGAGE
## 22        12550  60 months    22.15      347.69        n/a           RENT
## 23        17000  60 months    22.47      474.08        n/a           RENT
## 24        21850  60 months    20.49      584.87        n/a           RENT
## 25        25000  60 months    18.84      646.32        n/a           RENT
## 26        17975  60 months    19.52      471.44        n/a           RENT
```

```
## 27    10000  36 months   7.26   309.97   n/a   MORTGAGE
## 28    15000  36 months   7.89   469.29   n/a   MORTGAGE
## 29    12000  36 months   5.32   361.38   n/a   MORTGAGE
## 30    27000  36 months   5.32   813.10   n/a   MORTGAGE
## 31    12000  36 months   6.99   370.48   n/a   MORTGAGE
## 32     6500  36 months   7.26   201.48   n/a   MORTGAGE
## 33    10800  36 months   5.32   325.24   n/a   MORTGAGE
## 34    15000  36 months   7.89   469.29   n/a   MORTGAGE
## 35    20000  36 months   7.26   619.93   n/a   MORTGAGE
## 36    11225  36 months   7.89   351.19   n/a   MORTGAGE
## 37    16000  36 months   7.89   500.58   n/a   MORTGAGE
## 38    10000  36 months   5.32   301.15   n/a   MORTGAGE
## 39    12000  36 months   7.89   375.43   n/a   MORTGAGE
## 40     6000  36 months   7.89   187.72   n/a   MORTGAGE
## 41    10400  36 months   5.32   313.20   n/a   MORTGAGE
## 42    24850  60 months  19.19   647.23   n/a       RENT
## 43    15100  60 months  19.19   393.29   n/a       RENT
## 44    30300  60 months  19.52   794.70   n/a       RENT
## 45    15625  60 months  19.52   409.81   n/a       RENT
## 46    22800  60 months  20.99   616.69   n/a       RENT
## 47    35000  60 months  18.99   907.73   n/a       RENT
## 48    10800  60 months  19.99   286.08   n/a       RENT
## 49    20000  60 months  18.99   518.71   n/a       RENT
## 50    13125  60 months  19.52   344.24   n/a       RENT
## 51    17500  60 months  18.99   453.87   n/a       RENT
## 52    17325  60 months  22.90   487.41   n/a       RENT
## 53    13175  60 months  21.18   357.77   n/a       RENT
## 54    12000  60 months  18.99   311.23   n/a       RENT
## 55    10000  60 months  18.99   259.36   n/a       RENT
## 56     2500  60 months  22.47    69.72   n/a       RENT
## 57    21600  36 months  17.57   776.25   n/a   MORTGAGE
## 58    21000  60 months  17.86   531.67   n/a   MORTGAGE
## 59     1400  36 months   8.90    44.46   n/a   MORTGAGE
## 60    11000  36 months   7.62   342.78   n/a   MORTGAGE
## 61     1550  36 months   5.42    46.75   n/a   MORTGAGE
## 62    16000  60 months  15.31   383.25   n/a       RENT
## 63    12000  60 months  12.68   271.08   n/a       RENT
## 64     9600  60 months  13.61   221.44   n/a       RENT
## 65     3000  60 months  14.27    70.23   n/a       RENT
## 66    12000  60 months  12.59   270.53   n/a       RENT
## 67    15000  60 months   9.99   318.64   n/a   MORTGAGE
## 68     6000  36 months  13.35   203.18   n/a   MORTGAGE
## 69    22000  60 months  20.20   585.32   n/a       RENT
## 70    15000  60 months  16.29   367.09   n/a       RENT
## 71    21925  60 months  21.00   593.15   n/a       RENT
## 72     4000  60 months  16.69    98.75   n/a       RENT
## 73    13475  60 months  24.08   388.28   n/a       RENT
## 74    35000  60 months  24.08  1008.51   n/a       RENT
## 75     3000  60 months  23.76    85.89   n/a       RENT
## 76    15000  60 months  25.57   445.30   n/a       RENT
## 77    10000  36 months  11.49   329.72   n/a       RENT
## 78    18000  60 months  19.19   468.82   n/a       RENT
## 79     6350  36 months  13.66   215.99   n/a        OWN
## 80    10550  60 months  19.22   274.96   n/a       RENT
```

```
## 81       9700  36 months  14.65   334.60  n/a  MORTGAGE
## 82      11075  60 months  16.55   272.57  n/a      RENT
## 83       4575  36 months  19.19   168.15  n/a      RENT
## 84      16000  60 months  15.61   385.79  n/a      RENT
## 85      20000  60 months  16.29   489.45  n/a      RENT
## 86      10300  60 months  18.25   262.96  n/a      RENT
## 87      11775  60 months  17.57   296.27  n/a      RENT
## 88      14400  60 months  19.52   377.68  n/a      RENT
## 89      20000  60 months  15.61   482.23  n/a      RENT
## 90      13150  60 months  16.29   321.82  n/a      RENT
## 91      22875  60 months  16.55   562.99  n/a      RENT
## 92      10500  60 months  19.22   273.65  n/a      RENT
## 93      15750  60 months  18.24   402.01  n/a      RENT
## 94      35000  60 months  15.61   843.90  n/a      RENT
## 95      16000  60 months  16.99   397.56  n/a      RENT
## 96      10000  60 months  19.20   260.51  n/a      RENT
## 97      13800  60 months  16.99   342.90  n/a      RENT
## 98      12000  60 months  16.29   293.67  n/a      RENT
## 99      18000  60 months  17.57   452.89  n/a      RENT
## 100     23600  60 months  18.92   611.16  n/a      RENT
## 101      5000  36 months  19.52   184.60  n/a  MORTGAGE
## 102      5000  36 months  13.35   169.32  n/a  MORTGAGE
## 103     17050  60 months  21.98   470.71  n/a      RENT
## 104     21600  60 months   9.99   458.83  n/a  MORTGAGE
## 105      7275  36 months  16.99   259.34  n/a      RENT
## 106      7000  36 months  18.49   254.80  n/a  MORTGAGE
## 107     35000  60 months  23.99  1006.68  n/a      RENT
## 108     10000  36 months   9.17   318.79  n/a      RENT
## 109     28000  36 months   6.03   852.20  n/a  MORTGAGE
## 110     11000  36 months   8.18   345.62  n/a  MORTGAGE
## 111      5950  36 months  23.43   231.66  n/a  MORTGAGE
## 112     14400  36 months  10.99   471.37  n/a  MORTGAGE
## 113     13600  60 months  20.99   367.85  n/a  MORTGAGE
## 114     10000  60 months  16.49   245.80  n/a      RENT
## 115      6000  36 months  20.49   224.49  n/a      RENT
## 116     20050  60 months  19.99   531.10  n/a       OWN
## 117     19175  36 months  14.65   661.43  n/a  MORTGAGE
## 118      2400  36 months  14.99    83.19  n/a       OWN
## 119      7275  36 months  15.61   254.37  n/a      RENT
## 120      9750  36 months   5.32   293.62  n/a  MORTGAGE
## 121     10000  36 months   9.17   318.79  n/a  MORTGAGE
## 122      3000  36 months  17.56   107.80  n/a  MORTGAGE
## 123      1600  36 months  11.67    52.90  n/a      RENT
## 124     14000  60 months  22.99   394.59  n/a      RENT
## 125     14600  60 months  21.99   403.16  n/a      RENT
## 126     15775  60 months  24.08   454.55  n/a      RENT
## 127     15675  60 months  23.99   450.85  n/a      RENT
## 128     13050  60 months  25.57   387.41  n/a      RENT
## 129     10050  60 months  23.99   289.06  n/a      RENT
## 130     11200  60 months  21.99   309.27  n/a      RENT
## 131      8000  60 months  24.99   234.77  n/a      RENT
## 132     13200  60 months  24.99   387.37  n/a      RENT
## 133     19000  60 months  22.45   529.64  n/a      RENT
## 134      6075  60 months  25.83   181.28  n/a      RENT
```

```
## 135    30000  60 months   25.80   894.67      n/a        RENT
## 136    11925  60 months   25.80   355.63      n/a        RENT
## 137    28100  60 months   25.89   839.50      n/a        RENT
## 138    11775  60 months   12.69   266.06      n/a        RENT
## 139    10000  36 months    5.32   301.15      n/a    MORTGAGE
## 140    10000  36 months    5.32   301.15      n/a    MORTGAGE
## 141    13000  36 months    7.89   406.72      n/a    MORTGAGE
## 142     6950  36 months    5.32   209.30      n/a    MORTGAGE
## 143     9000  36 months    5.32   271.04      n/a    MORTGAGE
## 144    20000  36 months    7.91   625.90      n/a    MORTGAGE
## 145    12000  36 months    5.32   361.38      n/a    MORTGAGE
## 146     3600  36 months    5.79   109.18      n/a    MORTGAGE
## 147     1200  36 months    7.49    37.33      n/a    MORTGAGE
## 148     5000  36 months    7.49   155.51      n/a    MORTGAGE
## 149    21200  36 months    8.90   673.17      n/a    MORTGAGE
## 150     5000  36 months    7.90   156.46      n/a    MORTGAGE
## 151    16000  36 months    7.88   500.49      n/a    MORTGAGE
## 152     5100  36 months    7.90   159.59      n/a    MORTGAGE
## 153     5000  36 months    8.49   157.82      n/a    MORTGAGE
## 154     6250  36 months    5.79   189.55      n/a    MORTGAGE
## 155     3000  36 months    5.79    90.99      n/a    MORTGAGE
## 156    15000  36 months    7.51   466.67      n/a    MORTGAGE
## 157     7975  36 months    7.49   248.04      n/a    MORTGAGE
## 158     3000  36 months    5.42    90.48      n/a    MORTGAGE
## 159    10000  36 months    6.03   304.36      n/a    MORTGAGE
## 160     8000  36 months    6.17   150.21      n/a    MORTGAGE
## 161     2000  36 months    7.66    62.36      n/a    MORTGAGE
## 162     3000  36 months    5.79    90.99      n/a    MORTGAGE
## 163     5000  36 months    6.99   154.37      n/a    MORTGAGE
## 164     8000  36 months    7.89   250.29      n/a    MORTGAGE
## 165     5000  36 months    7.62   155.81      n/a    MORTGAGE
## 166     7200  36 months    7.90   225.29      n/a    MORTGAGE
## 167     8400  36 months    6.62   257.92      n/a    MORTGAGE
## 168     1700  36 months    7.90    53.20      n/a    MORTGAGE
## 169     5650  36 months    6.24   172.50      n/a    MORTGAGE
## 170    22800  60 months   17.57   573.66      n/a        RENT
## 171     8000  60 months   15.58   192.77      n/a        RENT
## 172    12125  60 months   16.99   301.28      n/a        RENT
## 173    18000  60 months   20.20   478.90      n/a        RENT
## 174    27300  60 months   21.48   745.95      n/a        RENT
## 175    12000  36 months    5.32   361.38      n/a    MORTGAGE
## 176    11000  36 months    5.32   331.27      n/a    MORTGAGE
## 177    11500  36 months    6.24   351.11      n/a    MORTGAGE
## 178    12000  36 months    7.89   375.43      n/a    MORTGAGE
## 179    24000  36 months    6.24   732.74      n/a    MORTGAGE
## 180    10000  36 months    7.26   309.97      n/a    MORTGAGE
## 181    16000  36 months    7.26   495.94      n/a    MORTGAGE
## 182    16000  36 months    7.89   500.58      n/a    MORTGAGE
## 183    10000  36 months    6.89   308.27      n/a    MORTGAGE
## 184     6300  36 months    6.89   194.21      n/a    MORTGAGE
## 185    14400  36 months    7.26   446.35      n/a    MORTGAGE
## 186     9000  36 months    7.26   278.97      n/a    MORTGAGE
## 187    21700  36 months    8.18   681.81      n/a    MORTGAGE
## 188    16000  36 months    8.18   502.72      n/a    MORTGAGE
```

```
## 189     3000  36 months    9.99    96.79    n/a    MORTGAGE
## 190    35000  36 months    9.17  1115.77    n/a    MORTGAGE
## 191     7500  36 months   12.49   250.87    n/a    MORTGAGE
## 192     6725  36 months   11.53   221.86    n/a    MORTGAGE
## 193     5000  36 months   10.99   163.67    n/a    MORTGAGE
## 194    12400  36 months    9.99   400.06    n/a    MORTGAGE
## 195     8000  36 months    9.17   255.04    n/a    MORTGAGE
## 196    12000  36 months    9.17   382.55    n/a    MORTGAGE
## 197    35000  36 months    8.18  1099.69    n/a    MORTGAGE
## 198     9850  36 months    9.99   317.79    n/a    MORTGAGE
## 199     6500  36 months    9.99   209.71    n/a    MORTGAGE
## 200    16400  36 months   10.99   536.84    n/a    MORTGAGE
## 201    10000  36 months    8.38   315.12    n/a    MORTGAGE
## 202     6000  36 months    9.17   191.28    n/a    MORTGAGE
## 203    10000  36 months   11.53   329.91    n/a    MORTGAGE
## 204     4800  36 months    8.18   150.82    n/a    MORTGAGE
## 205    20000  36 months    8.18   628.39    n/a    MORTGAGE
## 206    28000  36 months    9.17   892.61    n/a    MORTGAGE
## 207    12000  36 months   12.49   401.39    n/a    MORTGAGE
## 208     5000  36 months    8.18   157.10    n/a    MORTGAGE
## 209     6000  36 months   10.99   196.41    n/a    MORTGAGE
## 210     6000  36 months   10.99   196.41    n/a    MORTGAGE
## 211     5000  36 months    9.17   159.40    n/a    MORTGAGE
## 212     6000  36 months    7.62   186.97    n/a        RENT
## 213    10000  36 months   18.55   364.29    n/a        RENT
## 214     2750  36 months   15.31    95.75    n/a        RENT
## 215     7025  36 months   18.54   255.88    n/a        RENT
## 216    12500  36 months   12.69   419.32    n/a    MORTGAGE
## 217    15125  60 months   19.99   400.64    n/a    MORTGAGE
## 218    15000  36 months   15.61   524.48    n/a         OWN
## 219    28000  60 months    8.18   570.16    n/a         OWN
## 220     4200  36 months   17.57   150.94    n/a        RENT
## 221    12000  36 months    9.71   385.58    n/a    MORTGAGE
## 222    16000  36 months   15.22   556.38    n/a    MORTGAGE
## 223     9000  36 months   10.99   294.61    n/a        RENT
## 224    10000  36 months   10.74   326.16    n/a        RENT
## 225    12300  60 months   20.20   327.25    n/a    MORTGAGE
## 226     1500  36 months   19.72    55.54    n/a        RENT
## 227    16000  36 months    7.89   500.58    n/a    MORTGAGE
## 228    22000  60 months   16.55   541.45    n/a    MORTGAGE
## 229     3225  36 months   16.78   114.63    n/a    MORTGAGE
## 230    20000  60 months   18.25   510.60    n/a        RENT
## 231     4000  36 months    6.62   122.82    n/a    MORTGAGE
## 232     3000  36 months    6.17    91.50    n/a    MORTGAGE
## 233     2800  36 months    8.49    88.38    n/a    MORTGAGE
## 234    10000  36 months    5.32   301.15    n/a    MORTGAGE
## 235    12000  36 months    5.32   361.38    n/a    MORTGAGE
## 236     5000  36 months    6.89   154.14    n/a    MORTGAGE
## 237    28000  36 months    6.89   863.16    n/a    MORTGAGE
## 238    10000  36 months    5.32   301.15    n/a    MORTGAGE
## 239    16000  36 months    6.24   488.50    n/a    MORTGAGE
## 240    20000  36 months    5.32   602.30    n/a    MORTGAGE
## 241     6000  36 months    5.32   180.69    n/a    MORTGAGE
## 242    16000  36 months    5.32   481.84    n/a    MORTGAGE
```

```
## 243    18500    36 months     5.32     557.13        n/a        MORTGAGE
## 244     5000    36 months     6.24     152.66        n/a        MORTGAGE
## 245    15000    36 months     6.24     457.97        n/a        MORTGAGE
## 246    16000    36 months     6.89     493.23        n/a        MORTGAGE
## 247    20000    36 months     6.89     616.54        n/a        MORTGAGE
## 248    12000    36 months     7.26     371.96        n/a        MORTGAGE
## 249     6000    36 months     5.32     180.69        n/a        MORTGAGE
## 250    15000    36 months     7.26     464.95        n/a        MORTGAGE
## 251    12000    36 months     7.89     375.43        n/a        MORTGAGE
## 252     4800    36 months     7.88     150.15        n/a        MORTGAGE
## 253    10000    36 months     6.89     308.27        n/a        MORTGAGE
## 254     8000    36 months     6.49     245.16        n/a        MORTGAGE
## 255     1000    36 months     5.42      30.16        n/a        MORTGAGE
## 256     5000    36 months     5.79     151.64        n/a        MORTGAGE
## 257     5000    36 months     7.90     156.46        n/a        MORTGAGE
## 258     3675    36 months     8.90     116.70        n/a        MORTGAGE
## 259     4025    36 months     5.42     121.40        n/a        MORTGAGE
## 260     9500    36 months     6.62     291.69        n/a        MORTGAGE
## 261     9450    36 months     5.99     287.45        n/a        MORTGAGE
## 262    10000    36 months     5.99     304.18        n/a        MORTGAGE
## 263     5000    36 months     8.90     158.77        n/a        MORTGAGE
## 264     2500    36 months     7.51      77.78        n/a        MORTGAGE
## 265     9000    36 months     6.99     277.86        n/a        MORTGAGE
## 266     6000    36 months     6.03     182.62        n/a        MORTGAGE
## 267     5000    36 months     6.99     154.37        n/a        MORTGAGE
## 268     4500    36 months     6.99     138.93        n/a        MORTGAGE
## 269     7000    36 months     5.42     211.12        n/a        MORTGAGE
## 270     2000    36 months     5.42      60.32        n/a        MORTGAGE
## 271     2600    36 months     9.17      82.89        n/a        MORTGAGE
## 272    10000    36 months     8.18     314.20        n/a        MORTGAGE
## 273    12000    36 months     8.18     377.04        n/a        MORTGAGE
## 274    17000    36 months     8.18     534.14        n/a        MORTGAGE
## 275     7500    36 months     8.18     235.65        n/a        MORTGAGE
## 276    10500    36 months     9.17     334.73        n/a        MORTGAGE
## 277    20000    36 months     9.99     645.25        n/a        MORTGAGE
## 278     6000    36 months     8.18     188.52        n/a        MORTGAGE
## 279     3500    36 months     9.17     111.58        n/a        MORTGAGE
## 280     8625    36 months     9.17     274.96        n/a        MORTGAGE
## 281     6000    36 months     9.17     191.28        n/a        MORTGAGE
## 282    10075    36 months     8.18     316.56        n/a        MORTGAGE
## 283    20000    36 months     9.17     637.58        n/a        MORTGAGE
## 284    10000    36 months     9.17     318.79        n/a        MORTGAGE
## 285    20000    36 months     9.99     645.25        n/a        MORTGAGE
## 286     3600    36 months    10.99     117.85        n/a        MORTGAGE
## 287    10000    36 months     9.99     322.63        n/a        MORTGAGE
## 288    35000    36 months    11.53    1154.66        n/a        MORTGAGE
## 289    16000    36 months     8.18     502.72        n/a        MORTGAGE
## 290    11200    36 months     8.67     354.44        n/a        MORTGAGE
## 291     7200    36 months     9.17     229.53        n/a        MORTGAGE
## 292     6000    36 months     9.99     193.58        n/a        MORTGAGE
## 293    15000    36 months    10.64     488.53        n/a        MORTGAGE
## 294     5000    36 months    10.99     163.67        n/a        MORTGAGE
## 295     6025    36 months    10.99     197.23        n/a        MORTGAGE
## 296     7000    36 months     9.17     223.16        n/a        MORTGAGE
```

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## 297     5000  36 months   11.53   164.96   n/a   MORTGAGE
## 298    25000  36 months    5.32   752.87   n/a   MORTGAGE
## 299     9300  36 months    5.32   280.07   n/a   MORTGAGE
## 300    25000  36 months    5.32   752.87   n/a   MORTGAGE
## 301     8800  36 months    5.32   265.02   n/a   MORTGAGE
## 302    25000  36 months    6.24   763.28   n/a   MORTGAGE
## 303     6000  36 months    6.24   183.19   n/a   MORTGAGE
## 304    17000  36 months    6.89   524.06   n/a   MORTGAGE
## 305    24000  36 months    7.26   743.91   n/a   MORTGAGE
## 306    12000  36 months    5.32   361.38   n/a   MORTGAGE
## 307     8400  36 months    6.89   258.95   n/a   MORTGAGE
## 308     4925  36 months    6.24   150.37   n/a   MORTGAGE
## 309    19600  36 months    5.32   590.25   n/a   MORTGAGE
## 310    10000  36 months    7.26   309.97   n/a   MORTGAGE
## 311     3700  36 months    7.88   115.74   n/a   MORTGAGE
## 312    11000  36 months    5.32   331.27   n/a   OWN
## 313     5000  36 months    5.32   150.58   n/a   OWN
## 314     7000  36 months    5.32   210.81   n/a   OWN
## 315     8675  36 months    6.89   267.43   n/a   OWN
## 316     9000  36 months    7.26   278.97   n/a   OWN
## 317    10000  36 months    7.26   309.97   n/a   OWN
## 318    13300  36 months    7.89   416.10   n/a   OWN
## 319     5000  36 months    6.89   154.14   n/a   OWN
## 320    14000  36 months    5.32   421.61   n/a   OWN
## 321    16000  36 months    6.24   488.50   n/a   OWN
## 322    16300  36 months    6.24   497.66   n/a   OWN
## 323    22000  36 months    6.89   678.20   n/a   OWN
## 324    16000  36 months    7.26   495.94   n/a   OWN
## 325    25000  36 months    7.69   779.84   n/a   OWN
## 326    12000  36 months    6.89   369.93   n/a   OWN
## 327    11500  36 months    7.26   356.46   n/a   OWN
## 328     7000  36 months    5.32   210.81   n/a   OWN
## 329     8400  36 months    5.32   252.97   n/a   OWN
## 330    20000  36 months    5.32   602.30   n/a   OWN
## 331     6500  36 months    5.32   195.75   n/a   OWN
## 332     7700  36 months    5.32   231.89   n/a   OWN
## 333     5525  36 months    5.32   166.39   n/a   OWN
## 334     6000  36 months    7.26   185.98   n/a   OWN
## 335    15000  36 months    6.24   457.97   n/a   OWN
## 336     5000  36 months    7.89   156.43   n/a   OWN
## 337     6000  36 months    6.24   183.19   n/a   OWN
## 338    10000  36 months    5.32   301.15   n/a   OWN
## 339    15000  36 months    5.32   451.73   n/a   OWN
## 340    15000  36 months    6.89   462.41   n/a   OWN
## 341     5000  36 months    5.32   150.58   n/a   OWN
## 342    10000  36 months    7.26   309.97   n/a   OWN
## 343     6000  36 months    5.32   180.69   n/a   OWN
## 344    15000  36 months    5.32   451.73   n/a   OWN
## 345    10000  36 months    5.32   301.15   n/a   OWN
## 346     8000  36 months    5.32   240.92   n/a   OWN
## 347     5000  36 months    5.32   150.58   n/a   OWN
## 348     8000  36 months    5.32   240.92   n/a   OWN
## 349    24000  36 months    5.32   722.76   n/a   OWN
## 350    17300  36 months    6.24   528.19   n/a   OWN
```

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## 351   10000  36 months    6.24   305.31   n/a        OWN
## 352   25000  36 months    6.89   770.68   n/a        OWN
## 353    5000  36 months    7.26   154.99   n/a        OWN
## 354   24000  36 months    7.89   750.86   n/a        OWN
## 355   16000  36 months    6.24   488.50   n/a        OWN
## 356   10000  36 months    6.89   308.27   n/a        OWN
## 357   15000  36 months    7.89   469.29   n/a        OWN
## 358   15000  36 months    6.89   462.41   n/a        OWN
## 359    7500  36 months    7.26   232.48   n/a        OWN
## 360   15000  36 months    5.32   451.73   n/a        OWN
## 361   12000  36 months    5.32   361.38   n/a        OWN
## 362   10000  36 months    6.24   305.31   n/a        OWN
## 363    6500  36 months    6.24   198.46   n/a        OWN
## 364    5000  36 months    6.89   154.14   n/a        OWN
## 365    1500  36 months    7.62    46.75   n/a        OWN
## 366    7000  36 months    6.24   213.72   n/a        OWN
## 367   10000  36 months   10.64   325.69   n/a        OWN
## 368    8400  36 months   10.64   273.58   n/a        OWN
## 369    5000  36 months    8.49   157.82   n/a        OWN
## 370    5400  36 months    7.29   167.46   n/a   MORTGAGE
## 371    7275  36 months    6.03   221.42   n/a   MORTGAGE
## 372    3900  36 months    5.99   118.63   n/a   MORTGAGE
## 373   17400  36 months    6.89   536.39   n/a   MORTGAGE
## 374    8800  36 months    7.88   275.28   n/a   MORTGAGE
## 375    1750  36 months    7.62    54.54   n/a   MORTGAGE
## 376    6000  36 months    6.03   182.62   n/a   MORTGAGE
## 377    5000  36 months    8.39   157.59   n/a   MORTGAGE
## 378    6400  36 months    7.14   198.03   n/a   MORTGAGE
## 379    2500  36 months    6.62    76.76   n/a   MORTGAGE
## 380    5200  36 months    5.42   156.84   n/a   MORTGAGE
## 381    4000  36 months    6.62   122.82   n/a   MORTGAGE
## 382   20000  36 months    8.38   630.24   n/a   MORTGAGE
## 383   11200  36 months    9.76   360.14   n/a   MORTGAGE
## 384    6000  36 months    9.17   191.28   n/a   MORTGAGE
## 385   10000  36 months    9.76   321.55   n/a   MORTGAGE
## 386    4025  36 months   11.14   132.05   n/a   MORTGAGE
## 387    8000  36 months    9.76   257.24   n/a   MORTGAGE
## 388    7000  36 months   13.11   236.23   n/a   MORTGAGE
## 389    6500  36 months    9.25   207.46   n/a   MORTGAGE
## 390    3500  36 months   10.36   113.53   n/a   MORTGAGE
## 391    6000  36 months    9.88   193.27   n/a   MORTGAGE
## 392    3600  36 months    8.88   114.28   n/a   MORTGAGE
## 393    3000  36 months    8.38    94.54   n/a   MORTGAGE
## 394    4000  36 months    8.38   126.05   n/a   MORTGAGE
## 395    9700  36 months    5.32   292.12   n/a   MORTGAGE
## 396   13000  36 months    5.32   391.50   n/a   MORTGAGE
## 397    7200  36 months    5.32   216.83   n/a   MORTGAGE
## 398   10000  36 months    5.32   301.15   n/a   MORTGAGE
## 399   28000  36 months    6.24   854.87   n/a   MORTGAGE
## 400   24000  36 months    6.24   732.74   n/a   MORTGAGE
## 401   10000  36 months    6.24   305.31   n/a   MORTGAGE
## 402   14400  36 months    6.24   439.65   n/a   MORTGAGE
## 403    7000  36 months    6.89   215.79   n/a   MORTGAGE
## 404    2000  36 months    6.89    61.66   n/a   MORTGAGE
```

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## 405    20000  36 months  7.26   619.93   n/a   MORTGAGE
## 406    28000  36 months  5.32   843.22   n/a   MORTGAGE
## 407     8000  36 months  5.32   240.92   n/a   MORTGAGE
## 408    12000  36 months  6.24   366.37   n/a   MORTGAGE
## 409    25000  36 months  6.89   770.68   n/a   MORTGAGE
## 410    11000  36 months  5.32   331.27   n/a   MORTGAGE
## 411     6000  36 months  7.26   185.98   n/a   MORTGAGE
## 412    12000  36 months  5.32   361.38   n/a   MORTGAGE
## 413    18000  36 months  5.32   542.07   n/a   MORTGAGE
## 414    26000  36 months  5.32   782.99   n/a   MORTGAGE
## 415    12000  36 months  5.32   361.38   n/a   MORTGAGE
## 416    12000  36 months  5.32   361.38   n/a   MORTGAGE
## 417    19200  36 months  6.24   586.20   n/a   MORTGAGE
## 418    23000  36 months  6.24   702.21   n/a   MORTGAGE
## 419    12500  36 months  7.89   391.08   n/a   MORTGAGE
## 420    14000  36 months  8.39   441.24   n/a   MORTGAGE
## 421    12000  36 months  7.89   375.43   n/a   MORTGAGE
## 422    20000  36 months  7.89   625.72   n/a   MORTGAGE
## 423     5400  36 months  5.32   162.62   n/a   MORTGAGE
## 424    15000  36 months  5.32   451.73   n/a   MORTGAGE
## 425    10000  36 months  5.32   301.15   n/a   MORTGAGE
## 426    15000  36 months  5.32   451.73   n/a   MORTGAGE
## 427    10000  36 months  5.32   301.15   n/a   MORTGAGE
## 428    25000  36 months  6.24   763.28   n/a   MORTGAGE
## 429    15000  36 months  6.24   457.97   n/a   MORTGAGE
## 430    25800  36 months  6.89   795.34   n/a   MORTGAGE
## 431    15000  36 months  6.89   462.41   n/a   MORTGAGE
## 432    12000  36 months  6.89   369.93   n/a   MORTGAGE
## 433     5000  36 months  6.89   154.14   n/a   MORTGAGE
## 434    15000  36 months  6.89   462.41   n/a   MORTGAGE
## 435    18000  36 months  7.26   557.94   n/a   MORTGAGE
## 436     4000  36 months  7.89   125.15   n/a   MORTGAGE
## 437    16000  36 months  5.32   481.84   n/a   MORTGAGE
## 438    10000  36 months  5.32   301.15   n/a   MORTGAGE
## 439    15000  36 months  5.32   451.73   n/a   MORTGAGE
## 440    10000  36 months  5.32   301.15   n/a   MORTGAGE
## 441    13500  36 months  5.32   406.55   n/a   MORTGAGE
## 442    25000  36 months  5.32   752.87   n/a   MORTGAGE
## 443    15000  36 months  6.24   457.97   n/a   MORTGAGE
## 444    19000  36 months  7.89   594.43   n/a   MORTGAGE
## 445    14000  36 months  6.89   431.58   n/a   MORTGAGE
## 446     7000  36 months  5.32   210.81   n/a   MORTGAGE
## 447     1800  36 months  7.26    55.80   n/a   MORTGAGE
## 448    12000  36 months  5.32   361.38   n/a   MORTGAGE
## 449    10000  36 months  6.24   305.31   n/a   MORTGAGE
## 450    15000  36 months  6.24   457.97   n/a   MORTGAGE
## 451     8400  36 months  6.89   258.95   n/a   MORTGAGE
## 452     5000  36 months  7.26   154.99   n/a   MORTGAGE
## 453     6000  36 months  6.89   184.97   n/a   MORTGAGE
## 454     4000  36 months  9.17   127.52   n/a   MORTGAGE
## 455    10000  36 months  9.76   321.55   n/a   MORTGAGE
## 456     8000  36 months  8.38   252.10   n/a   MORTGAGE
## 457     6500  36 months  5.42   196.04   n/a   MORTGAGE
## 458     8000  36 months  5.99   243.34   n/a   MORTGAGE
```

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## 459         6075  36 months      7.62     189.31        n/a        MORTGAGE
## 460        13500  36 months      6.17     411.74        n/a        MORTGAGE
## 461         9600  36 months      6.03     292.19        n/a        MORTGAGE
## 462         8000  36 months      5.79     242.62        n/a        MORTGAGE
## 463         8000  36 months      6.62     245.63        n/a        MORTGAGE
## 464        11700  36 months      6.17     356.84        n/a        MORTGAGE
## 465         8000  36 months      6.92     246.73        n/a        MORTGAGE
## 466         3000  36 months      7.62      93.49        n/a        MORTGAGE
## 467        12000  36 months      7.51     373.32        n/a        MORTGAGE
## 468         2000  36 months      8.90      63.51        n/a        MORTGAGE
## 469         7200  36 months      5.42     217.16        n/a        MORTGAGE
## 470         7000  36 months      5.99     212.93        n/a        MORTGAGE
## 471         3075  36 months      6.17      93.79        n/a        MORTGAGE
## 472         2000  36 months      7.14      61.89        n/a        MORTGAGE
## 473        12000  36 months      7.66     374.16        n/a        MORTGAGE
## 474         1000  36 months     10.59      32.55        n/a        MORTGAGE
## 475        14625  36 months     12.69     490.60        n/a        MORTGAGE
## 476        15500  36 months     14.65     534.66        n/a        MORTGAGE
## 477        23975  36 months     12.29     799.64        n/a        MORTGAGE
## 478        16700  36 months     12.59     559.40        n/a        MORTGAGE
## 479        18750  36 months     13.99     640.74        n/a        MORTGAGE
## 480        15000  36 months     12.29     500.30        n/a        MORTGAGE
## 481         2500  36 months     12.59      83.75        n/a        MORTGAGE
## 482         5000  36 months     14.35     171.74        n/a        MORTGAGE
## 483         2050  36 months     15.81      71.88        n/a        MORTGAGE
## 484         3800  36 months     12.29     126.75        n/a        MORTGAGE
## 485         3000  36 months     14.27     102.93        n/a        MORTGAGE
## 486         5200  36 months     13.33     176.04        n/a        MORTGAGE
## 487         5750  36 months     13.99     196.50        n/a        MORTGAGE
## 488         3250  36 months     12.29     108.40        n/a        MORTGAGE
## 489         8000  36 months     15.70     280.09        n/a        MORTGAGE
## 490         6000  36 months      9.17     191.28        n/a        MORTGAGE
## 491        15775  36 months      9.17     502.89        n/a        MORTGAGE
## 492         2000  36 months      9.17      63.76        n/a        MORTGAGE
## 493        16800  36 months      9.17     535.57        n/a        MORTGAGE
## 494        21750  36 months      9.17     693.37        n/a        MORTGAGE
## 495        24000  36 months      9.17     765.10        n/a        MORTGAGE
## 496         7000  36 months      9.17     223.16        n/a        MORTGAGE
## 497        13000  36 months      8.18     408.46        n/a        MORTGAGE
## 498        10000  36 months      9.99     322.63        n/a        MORTGAGE
## 499        11000  36 months      9.17     350.67        n/a        MORTGAGE
## 500        17500  36 months      8.18     549.85        n/a        MORTGAGE
## 501        15000  36 months      8.18     471.30        n/a        MORTGAGE
## 502        10000  36 months     10.15     323.38        n/a        MORTGAGE
## 503        10500  36 months      9.76     337.63        n/a        MORTGAGE
## 504        16125  36 months      9.99     520.24        n/a        MORTGAGE
## 505        19400  36 months     11.53     640.02        n/a        MORTGAGE
## 506         7000  36 months      8.18     219.94        n/a        MORTGAGE
## 507        17600  36 months      9.17     561.07        n/a        MORTGAGE
## 508         6000  36 months     11.53     197.95        n/a        MORTGAGE
## 509        15000  36 months     13.11     506.21        n/a        MORTGAGE
## 510        13975  36 months      8.18     439.09        n/a        MORTGAGE
## 511        22500  36 months      9.17     717.28        n/a        MORTGAGE
## 512        20000  36 months     10.99     654.68        n/a        MORTGAGE
```

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## 513   20000  36 months   10.99   654.68   n/a   MORTGAGE
## 514   23000  36 months   10.99   752.89   n/a   MORTGAGE
## 515   21925  36 months    9.99   707.36   n/a   MORTGAGE
## 516   35000  36 months    8.18  1099.69   n/a   MORTGAGE
## 517    6000  36 months    9.99   193.58   n/a   MORTGAGE
## 518   10000  36 months   10.99   327.34   n/a   MORTGAGE
## 519   14375  36 months   10.99   470.56   n/a   MORTGAGE
## 520    6000  36 months    8.18   188.52   n/a   MORTGAGE
## 521   19500  36 months   11.49   642.94   n/a   MORTGAGE
## 522   13000  36 months    8.18   408.46   n/a   MORTGAGE
## 523   17125  36 months    9.17   545.93   n/a   MORTGAGE
## 524    7000  36 months    8.18   219.94   n/a   MORTGAGE
## 525    5000  36 months    9.17   159.40   n/a   MORTGAGE
## 526    7800  36 months    9.17   248.66   n/a   MORTGAGE
## 527    6300  36 months   11.53   207.84   n/a   MORTGAGE
## 528    5000  36 months    9.99   161.32   n/a   MORTGAGE
## 529    6600  36 months   10.99   216.05   n/a   MORTGAGE
## 530   14000  36 months    9.99   451.68   n/a   MORTGAGE
## 531   16000  36 months    8.18   502.72   n/a   MORTGAGE
## 532    4350  36 months    9.17   138.68   n/a   MORTGAGE
## 533    6000  36 months   13.11   202.49   n/a   MORTGAGE
## 534    6500  36 months    6.24   198.46   n/a       RENT
## 535   15000  36 months    5.32   451.73   n/a       RENT
## 536   23500  36 months   15.33   647.79   n/a   MORTGAGE
## 537   25000  36 months   12.29   833.83   n/a   MORTGAGE
## 538   12000  36 months   12.29   400.24   n/a   MORTGAGE
## 539   21475  36 months   12.69   720.38   n/a   MORTGAGE
## 540   12125  36 months   14.65   418.25   n/a   MORTGAGE
## 541   10000  36 months   12.59   334.97   n/a   MORTGAGE
## 542    3200  36 months   12.05   106.37   n/a   MORTGAGE
## 543    8625  36 months   12.29   287.67   n/a   MORTGAGE
## 544   18575  36 months   13.33   628.83   n/a   MORTGAGE
## 545   19100  36 months   14.65   658.84   n/a   MORTGAGE
## 546   20000  36 months   12.29   667.06   n/a   MORTGAGE
## 547   20000  36 months   12.99   673.79   n/a   MORTGAGE
## 548   12000  36 months   12.05   398.86   n/a   MORTGAGE
## 549   12000  36 months   12.69   402.54   n/a   MORTGAGE
## 550   20000  36 months   13.33   677.07   n/a   MORTGAGE
## 551   15000  36 months   13.33   507.80   n/a   MORTGAGE
## 552   20000  36 months   13.33   677.07   n/a   MORTGAGE
## 553   30000  36 months   13.33  1015.60   n/a   MORTGAGE
## 554    5000  36 months   12.59   167.49   n/a   MORTGAGE
## 555   10000  36 months   13.98   341.68   n/a   MORTGAGE
## 556    5000  36 months   12.29   166.77   n/a   MORTGAGE
## 557    7150  36 months   15.41   249.30   n/a   MORTGAGE
## 558   15000  36 months    5.32   451.73   n/a   MORTGAGE
## 559    1000  36 months    6.39    30.60   n/a   MORTGAGE
## 560   15000  36 months    6.24   457.97   n/a   MORTGAGE
## 561   25000  36 months    6.89   770.68   n/a   MORTGAGE
## 562    6000  36 months    7.89   187.72   n/a   MORTGAGE
## 563   16000  36 months    5.32   481.84   n/a   MORTGAGE
## 564   20000  36 months    6.24   610.62   n/a   MORTGAGE
## 565   25600  36 months    6.89   789.17   n/a   MORTGAGE
## 566    8300  36 months    5.32   249.96   n/a   MORTGAGE
```

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## 567      7325  36 months    5.32     220.60      n/a      MORTGAGE
## 568     18000  36 months    7.26     557.94      n/a      MORTGAGE
## 569     10000  36 months    5.32     301.15      n/a      MORTGAGE
## 570     10000  36 months    7.89     312.86      n/a      MORTGAGE
## 571      8400  36 months    6.03     255.66      n/a      MORTGAGE
## 572     17000  36 months    7.90     531.94      n/a      MORTGAGE
## 573      5000  36 months    7.51     155.56      n/a      MORTGAGE
## 574     10000  36 months    7.62     311.62      n/a      MORTGAGE
## 575      5000  36 months    6.54     153.34      n/a      MORTGAGE
## 576      4200  36 months    8.90     133.37      n/a      MORTGAGE
## 577      3000  36 months    7.51      93.34      n/a      MORTGAGE
## 578      4500  36 months    8.19     141.41      n/a      MORTGAGE
## 579      2500  36 months    6.03      76.09      n/a      MORTGAGE
## 580     12000  36 months    6.03     365.23      n/a      MORTGAGE
## 581      5800  36 months    5.99     176.43      n/a      MORTGAGE
## 582      5000  36 months    6.99     154.37      n/a      MORTGAGE
## 583      5000  36 months    6.76     153.85      n/a      MORTGAGE
## 584      5000  36 months    7.14     154.70      n/a      MORTGAGE
## 585      1500  36 months    8.49      47.35      n/a      MORTGAGE
## 586     16000  36 months    9.80     514.78      n/a      MORTGAGE
## 587      5000  36 months   11.99     166.05      n/a      MORTGAGE
## 588      4000  36 months    9.25     127.67      n/a      MORTGAGE
## 589     10000  36 months   10.25     323.85      n/a      MORTGAGE
## 590     17000  36 months    9.17     541.95      n/a      MORTGAGE
## 591      8500  36 months    9.17     270.98      n/a      MORTGAGE
## 592     12000  36 months    8.18     377.04      n/a      MORTGAGE
## 593     15000  36 months    9.17     478.19      n/a      MORTGAGE
## 594      3500  36 months    9.99     112.92      n/a      MORTGAGE
## 595     16500  36 months    8.18     518.43      n/a      MORTGAGE
## 596     12000  36 months    8.18     377.04      n/a      MORTGAGE
## 597      8500  36 months    9.99     274.24      n/a      MORTGAGE
## 598     23250  36 months    9.99     750.11      n/a      MORTGAGE
## 599     13000  36 months   10.99     425.55      n/a      MORTGAGE
## 600     10000  36 months    8.18     314.20      n/a      MORTGAGE
## 601     10000  36 months    8.38     315.12      n/a      MORTGAGE
## 602      8000  36 months    9.17     255.04      n/a      MORTGAGE
## 603      8650  36 months   11.53     285.37      n/a      MORTGAGE
## 604      5000  36 months    9.17     159.40      n/a      MORTGAGE
## 605     10000  36 months    9.99     322.63      n/a      MORTGAGE
## 606     10000  36 months   11.49     329.72      n/a      MORTGAGE
## 607     17000  36 months   12.69     570.27      n/a      MORTGAGE
## 608     10000  36 months   13.33     338.54      n/a      MORTGAGE
## 609      1100  36 months   17.27      39.37      n/a      MORTGAGE
## 610     28000  36 months   13.99     956.84      n/a      MORTGAGE
## 611     25800  36 months   12.29     860.51      n/a      MORTGAGE
## 612     15000  36 months   13.33     507.80      n/a      MORTGAGE
## 613      5800  36 months   13.33     196.35      n/a      MORTGAGE
## 614      2500  36 months   13.33      84.64      n/a      MORTGAGE
## 615     10000  36 months   12.69     335.45      n/a      MORTGAGE
## 616     25000  36 months   12.05     830.96      n/a      MORTGAGE
## 617      2000  36 months   13.11      67.50      n/a          RENT
## 618      4000  36 months   10.99     130.95      n/a          RENT
## 619      4000  36 months   11.12     131.19      n/a          RENT
## 620     10000  36 months    8.18     314.20      n/a          RENT
```

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## 621   10000   36 months   11.49   329.72   n/a       RENT
## 622    5000   36 months   12.99   168.45   n/a       RENT
## 623    2200   36 months   13.48    74.64   n/a       RENT
## 624    1000   36 months   14.65    34.50   n/a       RENT
## 625    8200   36 months    9.71   263.48   n/a   MORTGAGE
## 626    5700   36 months   11.12   186.94   n/a   MORTGAGE
## 627    9000   36 months   11.99   298.89   n/a   MORTGAGE
## 628    5000   36 months   10.65   162.87   n/a   MORTGAGE
## 629    5375   36 months   12.12   178.84   n/a   MORTGAGE
## 630    7000   36 months    9.88   225.48   n/a   MORTGAGE
## 631    4000   36 months   13.67   136.08   n/a   MORTGAGE
## 632    1500   36 months   11.12    49.20   n/a   MORTGAGE
## 633    6000   36 months    9.49   192.17   n/a   MORTGAGE
## 634   14250   36 months   12.69   478.02   n/a        OWN
## 635   10800   36 months   12.69   362.29   n/a        OWN
## 636    9200   36 months   13.33   311.45   n/a        OWN
## 637    9000   36 months   12.29   300.18   n/a        OWN
## 638   22000   36 months   13.33   744.77   n/a        OWN
## 639    1200   36 months   13.99    41.01   n/a        OWN
## 640    6000   36 months   14.33   206.03   n/a        OWN
## 641    8975   36 months   18.24   325.55   n/a        OWN
## 642    6400   36 months   17.77   230.64   n/a        OWN
## 643    6425   36 months   15.41   224.02   n/a        OWN
## 644    9600   36 months    6.24   293.10   n/a       RENT
## 645    5500   36 months    7.69   171.57   n/a       RENT
## 646    8400   36 months    6.89   258.95   n/a       RENT
## 647    4000   36 months    7.49   124.41   n/a       RENT
## 648    5000   36 months    8.38   157.56   n/a   MORTGAGE
## 649   14000   36 months    8.18   439.88   n/a   MORTGAGE
## 650    4600   36 months    9.17   146.65   n/a   MORTGAGE
## 651   10000   36 months    8.18   314.20   n/a   MORTGAGE
## 652   10000   36 months    8.18   314.20   n/a   MORTGAGE
## 653   12000   36 months    9.17   382.55   n/a   MORTGAGE
## 654    2500   36 months   10.99    81.84   n/a   MORTGAGE
## 655   20000   36 months    8.18   628.39   n/a   MORTGAGE
## 656   24000   36 months    8.18   754.07   n/a   MORTGAGE
## 657   20000   36 months    8.18   628.39   n/a   MORTGAGE
## 658   15000   36 months    8.18   471.30   n/a   MORTGAGE
## 659    7500   36 months    9.99   241.97   n/a   MORTGAGE
## 660   18000   36 months   10.99   589.22   n/a   MORTGAGE
## 661    5500   36 months    9.17   175.34   n/a   MORTGAGE
## 662   12000   36 months    8.18   377.04   n/a   MORTGAGE
## 663   24000   36 months    9.17   765.10   n/a   MORTGAGE
## 664   24000   36 months   10.99   785.62   n/a   MORTGAGE
## 665   15000   36 months    9.99   483.94   n/a   MORTGAGE
## 666   25000   36 months    9.17   796.98   n/a   MORTGAGE
## 667   10000   36 months   10.64   325.69   n/a   MORTGAGE
## 668    2500   36 months   11.53    82.48   n/a   MORTGAGE
## 669    2000   36 months   10.36    64.88   n/a   MORTGAGE
## 670    7775   36 months   12.12   258.69   n/a   MORTGAGE
## 671    4500   36 months   10.74   146.78   n/a   MORTGAGE
## 672    6000   36 months    9.99   193.58   n/a   MORTGAGE
## 673    4500   36 months   12.49   150.52   n/a   MORTGAGE
## 674    8000   36 months   10.65   260.59   n/a   MORTGAGE
```

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## 675     1500  36 months  10.75     48.94     n/a    MORTGAGE
## 676     5600  36 months  12.12    186.33     n/a    MORTGAGE
## 677     9600  36 months  12.12    319.41     n/a    MORTGAGE
## 678     4000  36 months  11.49    131.89     n/a    MORTGAGE
## 679     6000  36 months  11.36    197.47     n/a    MORTGAGE
## 680    15000  36 months   8.18    471.30     n/a    MORTGAGE
## 681     5000  36 months  11.99    166.05     n/a    MORTGAGE
## 682     5000  36 months  14.17    171.31     n/a    MORTGAGE
## 683     4000  36 months  13.35    135.46     n/a    MORTGAGE
## 684     2400  36 months  14.72     82.87     n/a    MORTGAGE
## 685    20575  36 months  12.29    686.24     n/a    MORTGAGE
## 686     1200  36 months  12.39     40.09     n/a    MORTGAGE
## 687    13075  36 months  13.33    442.63     n/a    MORTGAGE
## 688    25075  36 months  14.33    861.03     n/a    MORTGAGE
## 689    29350  36 months  12.29    978.92     n/a    MORTGAGE
## 690     6000  36 months  12.29    200.12     n/a    MORTGAGE
## 691     6000  36 months  16.29    211.81     n/a    MORTGAGE
## 692     4200  36 months  13.99    143.53     n/a    MORTGAGE
## 693    13050  36 months  11.99    433.39     n/a    MORTGAGE
## 694    15000  36 months  12.69    503.18     n/a    MORTGAGE
## 695    30000  36 months  12.29   1000.59     n/a    MORTGAGE
## 696    24000  36 months  12.69    805.08     n/a    MORTGAGE
## 697     8400  36 months  12.29    280.17     n/a    MORTGAGE
## 698     5000  36 months  12.29    166.77     n/a    MORTGAGE
## 699    10000  36 months  13.99    341.73     n/a    MORTGAGE
## 700    10000  36 months  13.33    338.54     n/a    MORTGAGE
## 701     7500  36 months  13.33    253.90     n/a    MORTGAGE
## 702     8000  36 months   8.18    251.36     n/a        RENT
## 703     5000  36 months   8.18    157.10     n/a        RENT
## 704     3600  36 months   8.18    113.12     n/a        RENT
## 705     4000  36 months   9.99    129.05     n/a        RENT
## 706     9000  36 months  10.99    294.61     n/a        RENT
## 707     2275  36 months  10.99     74.47     n/a        RENT
## 708     8000  36 months  12.49    267.60     n/a        RENT
## 709    12000  36 months   8.18    377.04     n/a        RENT
## 710     4800  36 months   9.17    153.02     n/a        RENT
## 711    18000  36 months   8.18    565.56     n/a        RENT
## 712     8000  36 months   8.18    251.36     n/a        RENT
## 713     4500  36 months   9.17    143.46     n/a        RENT
## 714    16000  36 months   9.17    510.07     n/a        RENT
## 715    10000  36 months   9.99    322.63     n/a        RENT
## 716     5000  36 months   8.18    157.10     n/a        RENT
## 717    12000  36 months   9.17    382.55     n/a        RENT
## 718    10000  36 months   9.17    318.79     n/a        RENT
## 719    12200  36 months   9.99    393.61     n/a        RENT
## 720     7500  36 months   8.18    235.65     n/a        RENT
## 721     7500  36 months   8.38    236.34     n/a        RENT
## 722     3000  36 months   9.99     96.79     n/a        RENT
## 723     8000  36 months   8.18    251.36     n/a        RENT
## 724     5000  36 months   8.18    157.10     n/a        RENT
## 725    21000  36 months   9.17    669.46     n/a        RENT
## 726    10000  36 months   9.17    318.79     n/a        RENT
## 727    12000  36 months   8.18    377.04     n/a        RENT
## 728     4500  36 months  11.99    149.45     n/a        RENT
```

```
## 729     4825   36 months   13.18   163.00   n/a       RENT
## 730    10000   36 months   12.88   336.37   n/a       RENT
## 731    16450   36 months   12.59   551.03   n/a       RENT
## 732     7500   36 months   13.18   253.36   n/a       RENT
## 733     1600   36 months   15.61    55.95   n/a   MORTGAGE
## 734     8400   36 months   16.55   297.61   n/a   MORTGAGE
## 735     3600   36 months   15.61   125.88   n/a   MORTGAGE
## 736     3000   36 months   17.77   108.12   n/a   MORTGAGE
## 737     3300   36 months    6.03   100.44   n/a        OWN
## 738     5825   36 months    8.90   184.97   n/a        OWN
## 739    10800   36 months    7.89   337.89   n/a        OWN
## 740    21000   36 months    7.62   654.39   n/a        OWN
## 741     8000   36 months    6.24   244.25   n/a        OWN
## 742     1500   36 months    8.90    47.63   n/a        OWN
## 743     7500   36 months    6.62   230.28   n/a        OWN
## 744     2325   36 months    6.39    71.15   n/a        OWN
## 745     7500   36 months    7.88   234.61   n/a        OWN
## 746     6000   36 months    5.42   180.96   n/a        OWN
## 747    12000   36 months    6.03   365.23   n/a        OWN
## 748     4000   36 months    6.76   123.07   n/a        OWN
## 749     5400   36 months    5.42   162.87   n/a        OWN
## 750    12000   36 months    6.24   366.37   n/a        OWN
## 751     5750   36 months    8.18   180.67   n/a        OWN
## 752    10500   36 months    9.17   334.73   n/a        OWN
## 753    14000   36 months    8.18   439.88   n/a        OWN
## 754     2000   36 months    8.18    62.84   n/a        OWN
## 755    16850   36 months    9.17   537.16   n/a        OWN
## 756     9000   36 months   14.09   308.00   n/a        OWN
## 757     3300   36 months   11.14   108.26   n/a        OWN
## 758     5000   36 months   10.75   163.11   n/a        OWN
## 759    15000   36 months    9.88   483.16   n/a        OWN
## 760     2500   36 months   11.49    82.43   n/a        OWN
## 761     1750   36 months    8.67    55.39   n/a        OWN
## 762     8000   36 months    6.03   243.49   n/a       RENT
## 763     3000   36 months    6.03    91.31   n/a       RENT
## 764    10000   36 months    7.29   310.10   n/a       RENT
## 765     2775   36 months    7.90    86.84   n/a       RENT
## 766     1750   36 months    7.49    54.43   n/a       RENT
## 767     5000   36 months    8.90   158.77   n/a       RENT
## 768     1100   36 months    6.76    33.85   n/a       RENT
## 769     2500   36 months    7.62    77.91   n/a       RENT
## 770    13000   36 months   10.75   424.07   n/a       RENT
## 771     5500   36 months   12.12   183.00   n/a       RENT
## 772     7775   36 months    9.62   249.50   n/a   MORTGAGE
## 773     5600   36 months   10.99   183.32   n/a   MORTGAGE
## 774     3000   36 months   11.49    98.92   n/a   MORTGAGE
## 775     3600   36 months   14.09   123.20   n/a   MORTGAGE
## 776     2100   36 months   12.12    69.88   n/a   MORTGAGE
## 777     6400   36 months    9.99   206.48   n/a   MORTGAGE
## 778     5775   36 months    9.99   186.32   n/a   MORTGAGE
## 779    10000   36 months    9.99   322.63   n/a   MORTGAGE
## 780     9450   36 months   14.33   324.50   n/a   MORTGAGE
## 781     7500   36 months    6.03   228.27   n/a        OWN
## 782     7000   36 months    6.99   216.11   n/a        OWN
```

```
## 783     7000  36 months    5.32   210.81   n/a        OWN
## 784     7000  36 months    7.26   216.98   n/a        OWN
## 785    10800  36 months    5.32   325.24   n/a        OWN
## 786     6000  36 months    5.32   180.69   n/a        OWN
## 787     5000  36 months    6.24   152.66   n/a        OWN
## 788    15000  36 months    6.24   457.97   n/a        OWN
## 789    25000  36 months    7.89   782.15   n/a        OWN
## 790     5000  36 months    7.26   154.99   n/a        OWN
## 791    24000  36 months    5.32   722.76   n/a        OWN
## 792     2400  36 months    8.90    76.21   n/a        OWN
## 793     3200  36 months    7.14    99.02   n/a        OWN
## 794     8400  36 months    6.03   255.66   n/a        OWN
## 795     2250  36 months    8.90    71.45   n/a        OWN
## 796     6500  36 months    5.42   196.04   n/a        OWN
## 797     2500  36 months    7.49    77.76   n/a        OWN
## 798     4750  36 months    7.14   146.97   n/a        OWN
## 799     6000  36 months    6.54   184.01   n/a        OWN
## 800     9450  36 months    7.62   294.48   n/a        OWN
## 801     2000  36 months    6.39    61.20   n/a        OWN
## 802     5000  36 months    6.03   152.18   n/a        OWN
## 803     6000  36 months    6.03   182.62   n/a        OWN
## 804     7125  36 months    6.99   219.97   n/a        OWN
## 805     3000  36 months    9.17    95.64   n/a        OWN
## 806     7375  36 months    9.91   237.66   n/a        OWN
## 807     4000  36 months   17.77   144.15   n/a       RENT
## 808     4825  36 months   15.61   168.71   n/a       RENT
## 809     9500  36 months   14.59   327.42   n/a       RENT
## 810     2500  36 months   17.27    89.47   n/a       RENT
## 811     1000  36 months   14.91    34.63   n/a       RENT
## 812     5375  36 months   21.00   202.51   n/a       RENT
## 813    17625  36 months   18.99   645.98   n/a       RENT
## 814     1000  36 months   22.95    38.69   n/a       RENT
## 815    10000  36 months    7.62   311.62   n/a   MORTGAGE
## 816     2225  36 months   14.65    76.75   n/a   MORTGAGE
## 817     7850  36 months   17.27   280.93   n/a   MORTGAGE
## 818     5750  36 months   12.68   192.86   n/a   MORTGAGE
## 819     2500  36 months   13.35    84.66   n/a   MORTGAGE
## 820     2800  36 months   14.79    96.78   n/a        OWN
## 821     2250  36 months   12.29    75.05   n/a        OWN
## 822     9600  36 months   13.18   324.30   n/a        OWN
## 823    17150  36 months   12.69   575.30   n/a        OWN
## 824     7200  36 months   12.29   240.15   n/a        OWN
## 825     7500  36 months   12.29   250.15   n/a        OWN
## 826    20000  36 months   14.65   689.89   n/a        OWN
## 827    12600  36 months   12.05   418.81   n/a        OWN
## 828     8500  36 months   15.31   295.95   n/a        OWN
## 829     8400  36 months   12.39   280.57   n/a        OWN
## 830    11050  36 months   15.61   386.37   n/a        OWN
## 831    17600  36 months   15.61   615.39   n/a        OWN
## 832    20000  36 months   15.61   699.30   n/a        OWN
## 833     7675  36 months   15.61   268.36   n/a        OWN
## 834     5000  36 months   17.57   179.69   n/a        OWN
## 835     8000  36 months    6.89   246.62   n/a       RENT
## 836     7500  36 months    6.89   231.21   n/a       RENT
```

```
## 837     9000  36 months    7.26    278.97    n/a       RENT
## 838     5000  36 months    7.89    156.43    n/a       RENT
## 839     7000  36 months    5.32    210.81    n/a       RENT
## 840     3000  36 months    8.67     94.94    n/a   MORTGAGE
## 841    27900  36 months    9.99    900.13    n/a   MORTGAGE
## 842     6250  36 months   11.49    206.08    n/a   MORTGAGE
## 843     5000  36 months    8.18    157.10    n/a   MORTGAGE
## 844    24000  36 months    8.18    754.07    n/a   MORTGAGE
## 845     5450  36 months   12.49    182.30    n/a   MORTGAGE
## 846    20000  36 months    9.17    637.58    n/a   MORTGAGE
## 847     8000  36 months   10.99    261.88    n/a   MORTGAGE
## 848    10000  36 months   10.99    327.34    n/a   MORTGAGE
## 849    13000  36 months   10.15    420.39    n/a   MORTGAGE
## 850    15000  36 months    8.18    471.30    n/a   MORTGAGE
## 851    35000  36 months    8.18   1099.69    n/a   MORTGAGE
## 852    12000  36 months    9.17    382.55    n/a   MORTGAGE
## 853     8000  36 months   12.12    266.18    n/a   MORTGAGE
## 854     5000  36 months   10.64    162.85    n/a   MORTGAGE
## 855    17050  36 months   13.11    575.39    n/a   MORTGAGE
## 856     3500  36 months   10.15    113.19    n/a   MORTGAGE
## 857    15000  36 months   11.99    498.15    n/a   MORTGAGE
## 858     5400  36 months   10.64    175.87    n/a   MORTGAGE
## 859     9600  36 months   11.44    316.30    n/a   MORTGAGE
## 860    14500  36 months    9.17    462.25    n/a   MORTGAGE
## 861    10000  36 months   11.99    332.10    n/a   MORTGAGE
## 862    10000  36 months   10.99    327.34    n/a   MORTGAGE
## 863    18000  36 months   11.22    591.18    n/a   MORTGAGE
## 864    20000  36 months   11.53    659.81    n/a   MORTGAGE
## 865    14000  36 months   10.49    454.97    n/a   MORTGAGE
## 866     8000  36 months    8.18    251.36    n/a   MORTGAGE
## 867    15000  36 months   11.44    494.22    n/a   MORTGAGE
## 868     5600  36 months   10.99    183.32    n/a   MORTGAGE
## 869    15000  36 months   11.53    494.86    n/a   MORTGAGE
## 870    12000  36 months    9.17    382.55    n/a   MORTGAGE
## 871    10000  36 months   10.64    325.69    n/a   MORTGAGE
## 872     5000  36 months   11.99    166.05    n/a   MORTGAGE
## 873     9600  36 months   11.67    317.35    n/a   MORTGAGE
## 874     8000  36 months   11.53    263.93    n/a   MORTGAGE
## 875     9500  36 months    9.99    306.50    n/a   MORTGAGE
## 876    11000  36 months   12.49    367.94    n/a   MORTGAGE
## 877     6000  36 months   10.99    196.41    n/a   MORTGAGE
## 878     9600  36 months    9.49    307.48    n/a   MORTGAGE
## 879     4000  36 months    9.17    127.52    n/a   MORTGAGE
## 880    16000  36 months   10.99    523.75    n/a   MORTGAGE
## 881     8500  36 months   13.53    288.58    n/a   MORTGAGE
## 882    15000  36 months   11.99    498.15    n/a   MORTGAGE
## 883     5000  36 months    9.17    159.40    n/a   MORTGAGE
## 884     6000  36 months   10.99    196.41    n/a   MORTGAGE
## 885    20000  36 months   10.99    654.68    n/a   MORTGAGE
## 886     5000  36 months   11.53    164.96    n/a   MORTGAGE
## 887     9950  36 months   11.14    326.42    n/a   MORTGAGE
## 888    10000  36 months   12.12    332.72    n/a   MORTGAGE
## 889     6000  36 months   11.67    198.35    n/a   MORTGAGE
## 890     7000  36 months   11.99    232.47    n/a   MORTGAGE
```

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## 891    16000  36 months   12.49   535.19    n/a    MORTGAGE
## 892    15000  36 months   10.99   491.01    n/a    MORTGAGE
## 893     6400  36 months   10.99   209.50    n/a    MORTGAGE
## 894    18000  36 months   13.05   606.93    n/a    MORTGAGE
## 895    30000  36 months   10.15   970.13    n/a    MORTGAGE
## 896    10000  36 months   11.53   329.91    n/a    MORTGAGE
## 897    15000  36 months   12.85   504.33    n/a    MORTGAGE
## 898     9875  36 months   10.99   323.25    n/a    MORTGAGE
## 899     6100  36 months    9.17   194.47    n/a    MORTGAGE
## 900    10000  36 months   10.78   326.35    n/a    MORTGAGE
## 901     2500  36 months   12.59    83.75    n/a    MORTGAGE
## 902    30000  36 months   11.99   996.29    n/a    MORTGAGE
## 903     5750  36 months   14.48   197.87    n/a    MORTGAGE
## 904    11200  36 months   13.44   379.76    n/a    MORTGAGE
## 905    19750  36 months   14.85   683.20    n/a    MORTGAGE
## 906    11450  36 months   14.30   393.01    n/a    MORTGAGE
## 907     4800  36 months   13.65   163.24    n/a    MORTGAGE
## 908    18000  36 months   17.27   644.18    n/a    MORTGAGE
## 909     4200  36 months   13.98   143.51    n/a    MORTGAGE
## 910     7200  36 months   14.16   246.64    n/a    MORTGAGE
## 911    10000  36 months   12.69   335.45    n/a    MORTGAGE
## 912    35000  36 months   13.18  1182.33    n/a    MORTGAGE
## 913     5000  36 months   13.33   169.27    n/a    MORTGAGE
## 914    10000  36 months   12.39   334.01    n/a    MORTGAGE
## 915    10725  36 months   12.69   359.77    n/a    MORTGAGE
## 916    11650  36 months   12.99   392.48    n/a    MORTGAGE
## 917     9500  36 months   13.33   321.61    n/a    MORTGAGE
## 918    12000  36 months   14.64   413.88    n/a    MORTGAGE
## 919     5000  36 months   13.35   169.32    n/a    MORTGAGE
## 920     3500  36 months   13.33   118.49    n/a    MORTGAGE
## 921     6000  36 months   13.18   202.69    n/a    MORTGAGE
## 922     8775  36 months   13.99   299.87    n/a    MORTGAGE
## 923     6450  36 months   14.65   222.49    n/a    MORTGAGE
## 924     4000  36 months   14.65   137.98    n/a    MORTGAGE
## 925    15000  36 months   12.69   503.18    n/a    MORTGAGE
## 926    13000  36 months   13.33   440.10    n/a    MORTGAGE
## 927    15000  36 months   12.29   500.30    n/a    MORTGAGE
## 928    10000  36 months   12.29   333.53    n/a    MORTGAGE
## 929     6000  36 months   12.99   202.14    n/a    MORTGAGE
## 930    15000  36 months   12.69   503.18    n/a    MORTGAGE
## 931    10550  36 months   14.65   363.92    n/a    MORTGAGE
## 932     4200  36 months   14.65   144.88    n/a    MORTGAGE
## 933    27475  36 months   14.99   952.30    n/a    MORTGAGE
## 934     5000  36 months   13.18   168.91    n/a    MORTGAGE
## 935     9000  36 months   13.33   304.68    n/a    MORTGAGE
## 936    10000  36 months   14.31   343.29    n/a    MORTGAGE
## 937    18000  36 months   12.05   598.29    n/a    MORTGAGE
## 938     8000  36 months   12.59   267.98    n/a    MORTGAGE
## 939     7200  36 months   13.35   243.82    n/a    MORTGAGE
## 940    12000  36 months   13.98   410.02    n/a    MORTGAGE
## 941     3000  36 months   12.29   100.06    n/a    MORTGAGE
## 942     5000  36 months   12.69   167.73    n/a    MORTGAGE
## 943     3300  36 months   14.99   114.38    n/a    MORTGAGE
## 944     6000  36 months   17.27   214.73    n/a    MORTGAGE
```

```
## 945     7350  36 months  12.69  246.56  n/a  MORTGAGE
## 946     7200  36 months  13.33  243.75  n/a  MORTGAGE
## 947     5600  36 months  12.59  187.59  n/a  MORTGAGE
## 948     7000  36 months   8.38  220.59  n/a  OWN
## 949    16750  36 months   9.17  533.98  n/a  OWN
## 950    18000  36 months   9.17  573.83  n/a  OWN
## 951    18000  36 months   8.18  565.56  n/a  OWN
## 952     5200  36 months   8.18  163.39  n/a  OWN
## 953    20000  36 months   9.17  637.58  n/a  OWN
## 954    10100  36 months   9.99  325.86  n/a  OWN
## 955    10000  36 months   9.17  318.79  n/a  OWN
## 956    10000  36 months   9.99  322.63  n/a  OWN
## 957     2700  36 months  10.16   87.33  n/a  OWN
## 958    21000  36 months  10.62  683.76  n/a  OWN
## 959    30000  36 months   9.49  960.85  n/a  OWN
## 960    15000  36 months  10.99  491.03  n/a  OWN
## 961     8000  36 months  11.71  264.61  n/a  OWN
## 962     4000  36 months  12.12  133.09  n/a  OWN
## 963     2500  36 months  12.12   83.18  n/a  OWN
## 964    10000  36 months   9.17  318.79  n/a  OWN
## 965    12000  36 months   8.18  377.04  n/a  OWN
## 966     4375  36 months  15.80  153.39  n/a  OWN
## 967    14300  36 months  12.59  479.01  n/a  OWN
## 968    16100  36 months  12.69  540.08  n/a  OWN
## 969     6000  36 months  14.31  205.98  n/a  OWN
## 970     9375  36 months  12.69  314.49  n/a  OWN
## 971     4000  36 months  13.33  135.42  n/a  OWN
## 972    15000  36 months  13.99  512.60  n/a  OWN
## 973     4075  36 months  16.55  144.38  n/a  OWN
## 974     9000  36 months  17.99  325.33  n/a  OWN
## 975     4200  36 months  16.02  147.71  n/a  OWN
## 976     4000  36 months  17.19  142.99  n/a  OWN
## 977     8975  36 months  19.52  331.36  n/a  OWN
## 978    18000  36 months  16.82  640.11  n/a  OWN
## 979     5000  36 months  22.15  191.35  n/a  OWN
## 980    13800  36 months  22.99  534.13  n/a  OWN
## 981     6700  36 months   6.92  206.64  n/a  RENT
## 982     2000  36 months   8.90   63.51  n/a  RENT
## 983     2800  36 months   8.90   88.91  n/a  RENT
## 984    12625  36 months   7.26  391.33  n/a  RENT
## 985    18000  36 months   6.24  549.56  n/a  RENT
## 986     5500  36 months   7.89  172.08  n/a  RENT
## 987     6300  36 months   6.92  194.30  n/a  RENT
## 988     1500  36 months   7.62   46.75  n/a  OWN
## 989    12000  36 months   7.66  374.16  n/a  OWN
## 990     9600  36 months   6.03  292.19  n/a  OWN
## 991     4750  36 months   7.90  148.63  n/a  OWN
## 992    10000  36 months   5.79  204.71  n/a  OWN
## 993     1400  36 months   6.91   43.18  n/a  OWN
## 994     5500  36 months   5.42  165.88  n/a  OWN
## 995    11000  36 months   5.42  331.76  n/a  OWN
## 996     4000  36 months   7.51  124.45  n/a  OWN
## 997     6850  36 months   8.90  217.51  n/a  OWN
## 998     2100  36 months   7.14   64.98  n/a  OWN
```

```
## 999     8000   36 months    6.99   246.99   n/a        OWN
## 1000   10000   36 months   13.11   337.47   n/a        OWN
## 1001    2000   36 months   11.49    65.95   n/a        OWN
## 1002   12000   36 months    8.38   378.15   n/a        OWN
## 1003    9000   36 months   10.99   294.61   n/a        OWN
## 1004    9100   36 months    8.18   285.92   n/a        OWN
## 1005    6000   36 months    8.18   188.52   n/a        OWN
## 1006   11000   36 months    9.17   350.67   n/a        OWN
## 1007   16800   36 months    8.18   527.85   n/a        OWN
## 1008   11700   36 months   10.99   382.99   n/a        OWN
## 1009   10000   36 months    9.99   322.63   n/a        OWN
## 1010    8500   36 months   11.49   280.26   n/a        OWN
## 1011    7200   36 months    9.17   229.53   n/a        OWN
## 1012    3500   36 months    9.17   111.58   n/a        OWN
## 1013   15000   36 months    8.18   471.30   n/a        OWN
## 1014   24000   36 months    9.99   774.30   n/a        OWN
## 1015    8000   36 months   10.65   260.59   n/a        OWN
## 1016    3000   36 months    9.76    96.47   n/a        OWN
## 1017    4000   36 months   13.11   134.99   n/a        OWN
## 1018    1875   36 months   13.11    63.28   n/a        OWN
## 1019    6000   36 months   11.71   198.46   n/a        OWN
## 1020    3500   36 months   13.11   118.12   n/a        OWN
## 1021    3000   36 months   12.59   100.50   n/a        OWN
## 1022    5000   36 months    7.90   156.46   n/a        RENT
## 1023   11200   36 months    6.62   343.89   n/a        RENT
## 1024    4800   36 months    6.76   147.70   n/a        RENT
## 1025    5000   36 months    7.90   156.46   n/a        RENT
## 1026    9125   36 months    7.90   285.53   n/a        RENT
## 1027    4600   36 months    7.90   143.94   n/a        RENT
## 1028    1000   36 months    8.90    31.76   n/a        RENT
## 1029    5500   36 months    7.88   172.05   n/a        RENT
## 1030    7000   36 months    8.90   222.28   n/a        RENT
## 1031    2400   36 months    9.91    77.34   n/a        RENT
## 1032    2000   36 months   11.14    65.62   n/a        RENT
## 1033    1000   36 months   11.14    32.81   n/a        RENT
## 1034    3000   36 months   11.14    98.42   n/a        RENT
## 1035    3625   36 months   10.16   117.25   n/a        RENT
## 1036    9000   36 months   12.12   299.45   n/a        RENT
## 1037    6000   36 months   13.11   202.49   n/a        RENT
## 1038    4800   36 months   10.99   157.13   n/a        RENT
## 1039    1200   36 months   12.12    39.93   n/a        RENT
## 1040    1000   36 months   10.75    32.63   n/a        RENT
## 1041   21000   36 months    9.99   677.52   n/a        RENT
## 1042   10000   36 months    9.99   322.63   n/a        RENT
## 1043    5000   36 months   15.31   174.09   n/a        RENT
## 1044    3000   36 months   13.85   102.32   n/a        RENT
## 1045   10000   36 months   13.48   339.25   n/a        RENT
## 1046    1000   36 months   13.49    33.94   n/a   MORTGAGE
## 1047    1200   36 months   15.31    41.79   n/a   MORTGAGE
## 1048   10000   36 months   14.22   342.85   n/a   MORTGAGE
## 1049   20000   36 months   13.33   677.07   n/a   MORTGAGE
## 1050    2275   36 months   14.49    78.30   n/a   MORTGAGE
## 1051   19925   36 months   12.29   664.56   n/a   MORTGAGE
## 1052   11500   36 months   13.33   389.32   n/a   MORTGAGE
```

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## 1053     7025   36 months   13.99   240.07   n/a   MORTGAGE
## 1054    15000   36 months   12.29   500.30   n/a   MORTGAGE
## 1055    10850   36 months   12.69   363.97   n/a   MORTGAGE
## 1056     3875   36 months   12.59   129.81   n/a   MORTGAGE
## 1057    28000   36 months   14.65   965.84   n/a   MORTGAGE
## 1058    12000   36 months   12.59   401.97   n/a   MORTGAGE
## 1059    13950   36 months   12.69   467.96   n/a   MORTGAGE
## 1060     5000   36 months   11.99   166.05   n/a   MORTGAGE
## 1061     7000   36 months   11.99   232.47   n/a   MORTGAGE
## 1062     5000   36 months   12.69   167.73   n/a   MORTGAGE
## 1063     5000   36 months   14.49   172.09   n/a   MORTGAGE
## 1064     9600   36 months   14.65   331.15   n/a   MORTGAGE
## 1065     9600   36 months   13.11   323.98   n/a   OWN
## 1066     8000   36 months    9.99   258.10   n/a   OWN
## 1067     9200   36 months   11.86   304.96   n/a   OWN
## 1068    18000   36 months    8.18   565.56   n/a   OWN
## 1069     4500   36 months   15.27   156.59   n/a   OWN
## 1070    16350   36 months   12.29   545.33   n/a   OWN
## 1071     6000   36 months   14.99   207.97   n/a   OWN
## 1072     6000   36 months   16.29   211.81   n/a   OWN
## 1073     5000   36 months   17.27   178.94   n/a   OWN
## 1074     8000   36 months   11.99   265.68   n/a   OWN
## 1075     8975   36 months   16.55   317.98   n/a   OWN
## 1076     7125   36 months   15.61   249.13   n/a   OWN
## 1077     5500   36 months   16.55   194.87   n/a   OWN
## 1078     6225   36 months   15.41   217.05   n/a   OWN
## 1079     3000   36 months   18.49   109.20   n/a   OWN
## 1080    16350   36 months   16.55   579.27   n/a   OWN
## 1081     4375   36 months   20.49   163.69   n/a   OWN
## 1082     1000   36 months   23.99    39.23   n/a   OWN
## 1083    23000   36 months   10.64   749.08   n/a   OWN
## 1084    12000   36 months    9.17   382.55   n/a   OWN
## 1085     4900   36 months   10.64   159.59   n/a   OWN
## 1086    11875   36 months   10.99   388.72   n/a   OWN
## 1087    18000   36 months   11.99   597.78   n/a   OWN
## 1088     3000   36 months    9.17    95.64   n/a   OWN
## 1089    12000   36 months   10.99   392.81   n/a   OWN
## 1090    12000   36 months    8.18   377.04   n/a   OWN
## 1091    10000   36 months    8.18   314.20   n/a   OWN
## 1092    15000   36 months    8.18   471.30   n/a   OWN
## 1093     5000   36 months   11.53   164.96   n/a   OWN
## 1094     7000   36 months    8.18   219.94   n/a   OWN
## 1095    21000   36 months    9.99   677.52   n/a   OWN
## 1096     4200   36 months    8.18   131.97   n/a   OWN
## 1097     5925   36 months   13.44   200.90   n/a   OWN
## 1098    25000   36 months   13.44   847.66   n/a   OWN
## 1099    27000   36 months   14.65   931.35   n/a   OWN
## 1100     6000   36 months   12.29   200.12   n/a   OWN
## 1101     5000   36 months   12.59   167.49   n/a   OWN
## 1102    20000   36 months   12.29   667.06   n/a   OWN
## 1103    11650   36 months   12.05   387.23   n/a   OWN
## 1104     3500   36 months   13.33   118.49   n/a   OWN
## 1105     5500   36 months   12.29   183.45   n/a   OWN
## 1106     7200   36 months   12.69   241.53   n/a   OWN
```

```
## 1107    12000  36 months   12.29   400.24   n/a        OWN
## 1108     5800  36 months   12.29   193.45   n/a        OWN
## 1109     1600  36 months   16.99    57.04   n/a        OWN
## 1110    19525  36 months   16.55   691.76   n/a        OWN
## 1111    23450  36 months   16.99   835.94   n/a        OWN
## 1112    14500  36 months   16.99   516.90   n/a        OWN
## 1113     7200  36 months   12.29   240.15   n/a        RENT
## 1114    20000  36 months   12.39   668.02   n/a        RENT
## 1115     2000  36 months   12.59    67.00   n/a        RENT
## 1116    25000  36 months   12.29   833.83   n/a        RENT
## 1117     2800  36 months   12.29    93.39   n/a        RENT
## 1118     6500  36 months   11.99   215.87   n/a        RENT
## 1119     8875  36 months   12.99   299.00   n/a        RENT
## 1120     4800  36 months   13.33   162.50   n/a        RENT
## 1121     6800  36 months   12.99   229.09   n/a    MORTGAGE
## 1122     9000  36 months   13.68   306.21   n/a    MORTGAGE
## 1123    20000  36 months   13.99   683.46   n/a    MORTGAGE
## 1124    25000  36 months   14.98   866.39   n/a    MORTGAGE
## 1125    13500  36 months   13.35   457.15   n/a    MORTGAGE
## 1126     5000  36 months   16.55   177.15   n/a    MORTGAGE
## 1127    15000  36 months   16.99   534.72   n/a    MORTGAGE
## 1128    12000  36 months   18.49   436.79   n/a    MORTGAGE
## 1129     9225  36 months   16.99   328.86   n/a    MORTGAGE
## 1130    22000  36 months   18.24   798.01   n/a    MORTGAGE
## 1131    18200  36 months   15.61   636.36   n/a    MORTGAGE
## 1132     7200  36 months   17.57   258.75   n/a    MORTGAGE
## 1133     7075  36 months   16.29   249.76   n/a    MORTGAGE
## 1134     8000  36 months   16.49   283.20   n/a    MORTGAGE
## 1135     5075  36 months   19.47   187.24   n/a    MORTGAGE
## 1136     7500  36 months   15.61   262.24   n/a    MORTGAGE
## 1137     6000  36 months   17.57   215.63   n/a    MORTGAGE
## 1138     6000  36 months   17.57   215.63   n/a    MORTGAGE
## 1139    12475  36 months   15.61   436.19   n/a    MORTGAGE
## 1140     8000  36 months   18.49   291.19   n/a    MORTGAGE
## 1141    12000  36 months   17.77   432.45   n/a    MORTGAGE
## 1142    10000  36 months   17.57   359.38   n/a    MORTGAGE
## 1143     7000  36 months   17.57   251.56   n/a    MORTGAGE
## 1144     4000  36 months   18.92   146.47   n/a    MORTGAGE
## 1145     5250  36 months   16.55   186.01   n/a    MORTGAGE
## 1146    25000  36 months   19.52   922.99   n/a    MORTGAGE
## 1147    12500  36 months   20.99   470.88   n/a    MORTGAGE
## 1148     1000  36 months   20.49    37.42   n/a    MORTGAGE
## 1149    14900  36 months   19.24   547.99   n/a    MORTGAGE
## 1150     6000  36 months    7.89   187.72   n/a        OWN
## 1151    16000  36 months    5.32   481.84   n/a        OWN
## 1152    16000  36 months    7.12   494.92   n/a        OWN
## 1153    10500  36 months    7.26   325.46   n/a        OWN
## 1154    10000  36 months    8.90   317.54   n/a        OWN
## 1155    15000  36 months    6.24   457.97   n/a        OWN
## 1156     8000  36 months    7.90   250.33   n/a        OWN
## 1157    11000  36 months    7.89   344.15   n/a        OWN
## 1158     6000  36 months    7.89   187.72   n/a        OWN
## 1159     5000  36 months    7.89   156.43   n/a        OWN
## 1160     7000  36 months    6.24   213.72   n/a        OWN
```

```
## 1161      6000  36 months      5.32      180.69      n/a      OWN
## 1162     10000  36 months      6.03      304.36      n/a      OWN
## 1163      6000  36 months      6.49      183.87      n/a      OWN
## 1164     11000  36 months      6.39      336.59      n/a      OWN
## 1165     10000  36 months      7.26      309.97      n/a      OWN
## 1166     22000  36 months      7.90      688.39      n/a      OWN
## 1167     20000  36 months      6.92      616.82      n/a      OWN
## 1168     10000  36 months      6.92      308.41      n/a      OWN
## 1169      8500  36 months      7.89      265.93      n/a      OWN
## 1170      8500  36 months      7.89      265.93      n/a      OWN
## 1171     25000  36 months      6.89      770.68      n/a      OWN
## 1172     12000  36 months      7.12      371.19      n/a      OWN
## 1173      6500  36 months      7.49      202.17      n/a      OWN
## 1174      2000  36 months      7.89       62.58      n/a      OWN
## 1175      7000  36 months      8.19      219.97      n/a      OWN
## 1176      8000  36 months      5.93      243.13      n/a      OWN
## 1177      1500  36 months      6.89       46.25      n/a      OWN
## 1178      5400  36 months      7.49      167.95      n/a      OWN
## 1179     12000  36 months      6.03      365.23      n/a      OWN
## 1180     12000  36 months      6.49      367.74      n/a      OWN
## 1181     16500  36 months      7.49      513.18      n/a      OWN
## 1182     22075  36 months      7.90      690.74      n/a      OWN
## 1183     16000  36 months      8.39      504.27      n/a      OWN
## 1184     10000  36 months      9.76      321.55      n/a      OWN
## 1185      8400  36 months      9.17      267.79      n/a      OWN
## 1186      6500  36 months     11.22      213.48      n/a      OWN
## 1187      2000  36 months     11.99       66.42      n/a      OWN
## 1188      6000  36 months     10.99      196.41      n/a      OWN
## 1189      4200  36 months     10.99      137.49      n/a      OWN
## 1190      6000  36 months      9.99      193.58      n/a      OWN
## 1191      9175  36 months     10.99      300.34      n/a      OWN
## 1192      6000  36 months     12.99      202.14      n/a      OWN
## 1193      2500  36 months      8.18       78.55      n/a      OWN
## 1194      8000  36 months      9.67      256.90      n/a      OWN
## 1195     12000  36 months      8.18      377.04      n/a      OWN
## 1196      7500  36 months      9.17      239.10      n/a      OWN
## 1197     10000  36 months     10.99      327.34      n/a      OWN
## 1198     10000  36 months      9.99      322.63      n/a      OWN
## 1199     23000  36 months     11.49      758.34      n/a      OWN
## 1200      9000  36 months      9.99      290.37      n/a      OWN
## 1201      5000  36 months      8.38      157.56      n/a      OWN
## 1202     12000  36 months     10.99      392.81      n/a      OWN
## 1203      8000  36 months      9.99      258.10      n/a      OWN
## 1204      5800  36 months      9.99      187.13      n/a      OWN
## 1205     15000  36 months      9.99      483.94      n/a      OWN
## 1206     12000  36 months      9.99      387.15      n/a      OWN
## 1207     20000  36 months     10.99      654.68      n/a      OWN
## 1208      8000  36 months      9.49      256.23      n/a      OWN
## 1209     12000  36 months      9.99      387.15      n/a      OWN
## 1210      7000  36 months      9.99      225.84      n/a      OWN
## 1211     30000  36 months      8.18      942.59      n/a      OWN
## 1212      2200  36 months     10.99       72.02      n/a      OWN
## 1213     10000  36 months      9.17      318.79      n/a      OWN
## 1214      6000  36 months      9.17      191.28      n/a      OWN
```

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## 1215    9600  36 months  11.67   317.35  n/a       OWN
## 1216    6000  36 months  10.15   194.03  n/a       OWN
## 1217   15000  36 months   8.18   471.30  n/a       OWN
## 1218   13000  36 months  12.85   437.09  n/a       OWN
## 1219    5500  36 months  12.49   183.97  n/a       OWN
## 1220    7200  36 months   9.76   231.52  n/a       OWN
## 1221   10000  36 months  11.53   329.91  n/a       OWN
## 1222    4000  36 months   8.18   125.68  n/a       OWN
## 1223    6000  36 months  10.15   194.03  n/a       OWN
## 1224   20000  36 months  10.99   654.68  n/a       OWN
## 1225   15000  36 months  11.53   494.86  n/a       OWN
## 1226    2000  36 months  11.49    65.95  n/a       OWN
## 1227    5000  36 months  11.53   164.96  n/a       OWN
## 1228    3600  36 months  11.53   118.77  n/a       OWN
## 1229    6000  36 months  12.49   200.70  n/a       OWN
## 1230    9600  36 months   9.67   308.28  n/a       OWN
## 1231    4000  36 months  12.99   134.76  n/a       OWN
## 1232    1600  36 months   9.76    51.45  n/a       OWN
## 1233   30000  36 months  13.18  1013.43  n/a       OWN
## 1234    6000  36 months  13.99   205.04  n/a       OWN
## 1235   35000  36 months  13.33  1184.86  n/a       OWN
## 1236   12000  36 months  13.18   405.37  n/a       OWN
## 1237   15000  36 months  13.66   510.20  n/a       OWN
## 1238    6000  36 months  12.29   200.12  n/a       OWN
## 1239    4200  36 months  12.59   140.69  n/a       OWN
## 1240    8400  36 months  12.69   281.78  n/a       OWN
## 1241    2850  36 months  13.98    97.38  n/a       OWN
## 1242    4500  36 months  14.49   154.88  n/a       OWN
## 1243    6000  36 months  13.67   204.11  n/a       OWN
## 1244    4200  36 months  13.98   143.51  n/a       OWN
## 1245    3500  36 months  12.05   116.34  n/a       OWN
## 1246   10800  36 months  12.99   363.85  n/a       OWN
## 1247    5000  36 months  13.67   170.09  n/a       OWN
## 1248    5000  36 months  12.59   167.49  n/a       OWN
## 1249    2400  36 months  13.66    81.64  n/a       OWN
## 1250    8400  36 months  13.67   285.75  n/a       OWN
## 1251   10000  36 months  14.49   344.17  n/a       OWN
## 1252    4800  36 months  13.99   164.03  n/a       OWN
## 1253    7200  36 months  14.31   247.17  n/a       OWN
## 1254   10000  36 months  13.35   338.63  n/a       OWN
## 1255    5000  36 months  19.47   184.48  n/a       OWN
## 1256    3825  36 months  15.61   133.75  n/a       OWN
## 1257    3000  36 months  16.99   106.95  n/a       OWN
## 1258    8000  36 months  19.05   293.46  n/a       OWN
## 1259    7500  36 months  18.55   273.22  n/a       OWN
## 1260   10000  36 months  15.61   349.65  n/a       OWN
## 1261    8500  36 months  16.99   303.01  n/a       OWN
## 1262   16575  36 months  20.20   617.68  n/a       OWN
## 1263    3975  36 months  21.98   151.77  n/a       OWN
## 1264    3000  36 months  21.49   113.79  n/a       OWN
## 1265    4000  36 months  24.50   157.99  n/a       OWN
## 1266   11625  36 months  17.57   417.77  n/a  MORTGAGE
## 1267    5375  36 months  16.55   190.44  n/a  MORTGAGE
## 1268    9000  36 months  15.61   314.69  n/a  MORTGAGE
```

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## 1269     5925  36 months  16.55    209.92   n/a    MORTGAGE
## 1270    10000  36 months  15.41    348.67   n/a    MORTGAGE
## 1271     7750  36 months  15.58    270.87   n/a    MORTGAGE
## 1272    18250  36 months  16.82    649.03   n/a    MORTGAGE
## 1273     5000  36 months  19.99    185.80   n/a    MORTGAGE
## 1274     6000  36 months   5.32    180.69   n/a         OWN
## 1275    11000  36 months   6.24    335.84   n/a         OWN
## 1276    25000  36 months   6.24    763.28   n/a         OWN
## 1277    12000  36 months   7.26    371.96   n/a         OWN
## 1278     7000  36 months   7.89    219.00   n/a         OWN
## 1279     8000  36 months   7.89    250.29   n/a         OWN
## 1280    20000  36 months   5.32    602.30   n/a         OWN
## 1281     5600  36 months   6.03    170.44   n/a         OWN
## 1282     4000  36 months   5.79    121.31   n/a         OWN
## 1283     5000  36 months   6.03    152.18   n/a         OWN
## 1284     7200  36 months   8.90    228.63   n/a         OWN
## 1285     6075  36 months   6.03    184.90   n/a         OWN
## 1286     6000  36 months   6.62    184.23   n/a         OWN
## 1287     1500  36 months   6.91     46.26   n/a         OWN
## 1288    10000  36 months   8.90    317.54   n/a         OWN
## 1289     4000  36 months   8.90    127.02   n/a         OWN
## 1290     5000  36 months   7.51    155.56   n/a         OWN
## 1291    12000  36 months   5.42    361.92   n/a         OWN
## 1292     9600  36 months   6.03    292.19   n/a         OWN
## 1293     5000  36 months   6.03    152.18   n/a         OWN
## 1294     4225  36 months  13.11    142.59   n/a         OWN
## 1295     9600  36 months  10.59    312.44   n/a    MORTGAGE
## 1296     2500  36 months   8.88     79.36   n/a    MORTGAGE
## 1297     8500  36 months   8.18    267.07   n/a    MORTGAGE
## 1298     9625  36 months   8.18    302.42   n/a    MORTGAGE
## 1299    23100  36 months   9.17    736.41   n/a    MORTGAGE
## 1300     5000  36 months   9.99    161.32   n/a    MORTGAGE
## 1301     3000  36 months  10.99     98.21   n/a    MORTGAGE
## 1302     8325  36 months  13.11    280.95   n/a    MORTGAGE
## 1303     3000  36 months  11.49     98.92   n/a    MORTGAGE
## 1304    10000  36 months   9.17    318.79   n/a    MORTGAGE
## 1305    13800  36 months  10.99    451.73   n/a    MORTGAGE
## 1306    14350  36 months   9.17    457.47   n/a    MORTGAGE
## 1307    16000  36 months   9.17    510.07   n/a    MORTGAGE
## 1308    13800  36 months   9.17    439.93   n/a    MORTGAGE
## 1309    10000  36 months  10.99    327.34   n/a    MORTGAGE
## 1310    10000  36 months  11.53    329.91   n/a    MORTGAGE
## 1311     6000  36 months  10.99    196.41   n/a    MORTGAGE
## 1312     2000  36 months  10.99     65.47   n/a    MORTGAGE
## 1313     5000  36 months   9.17    159.40   n/a    MORTGAGE
## 1314     5000  36 months   8.38    157.56   n/a    MORTGAGE
## 1315     1000  36 months  10.75     32.63   n/a    MORTGAGE
## 1316    23600  36 months  16.99    841.29   n/a    MORTGAGE
## 1317    15000  36 months  15.41    523.00   n/a    MORTGAGE
## 1318    13675  36 months  16.99    487.49   n/a    MORTGAGE
## 1319    13400  36 months  15.61    468.53   n/a    MORTGAGE
## 1320    35000  36 months  16.99   1247.68   n/a    MORTGAGE
## 1321     3000  36 months  16.55    106.29   n/a    MORTGAGE
## 1322     3250  36 months  16.07    114.38   n/a    MORTGAGE
```

```
## 1323    27975   36 months   17.57   1005.34   n/a   MORTGAGE
## 1324    15000   36 months    8.18    471.30   n/a       RENT
## 1325    19150   36 months   10.99    626.86   n/a       RENT
## 1326    10000   36 months    8.18    314.20   n/a       RENT
## 1327    10000   36 months    9.99    322.63   n/a       RENT
## 1328     6000   36 months    8.18    188.52   n/a       RENT
## 1329     5900   36 months    8.18    185.38   n/a       RENT
## 1330     2000   36 months   10.99     65.47   n/a       RENT
## 1331     6000   36 months   12.49    200.70   n/a       RENT
## 1332    15000   36 months   11.53    494.86   n/a       RENT
## 1333     5000   36 months   10.99    163.67   n/a       RENT
## 1334     3000   36 months    9.17     95.64   n/a       RENT
## 1335     3000   36 months    8.18     94.26   n/a       RENT
## 1336    10500   36 months    9.17    334.73   n/a       RENT
## 1337     3600   36 months   11.86    119.34   n/a       RENT
## 1338    12000   36 months    5.32    361.38   n/a       RENT
## 1339    10000   36 months    6.89    308.27   n/a       RENT
## 1340    10000   36 months    7.89    312.86   n/a       RENT
## 1341     3000   36 months    7.26     92.99   n/a       RENT
## 1342    10000   36 months    7.26    309.97   n/a       RENT
## 1343    20000   36 months    6.24    610.62   n/a       RENT
## 1344     9600   36 months    6.89    295.94   n/a       RENT
## 1345    15000   36 months    6.89    462.41   n/a       RENT
## 1346    12000   36 months    6.89    369.93   n/a       RENT
## 1347    18000   36 months    6.89    554.89   n/a       RENT
## 1348     7000   36 months    7.26    216.98   n/a       RENT
## 1349    15000   36 months    7.26    464.95   n/a       RENT
## 1350    20000   36 months    5.32    602.30   n/a       RENT
## 1351     6000   36 months    7.26    185.98   n/a       RENT
## 1352     5000   36 months    6.89    154.14   n/a       RENT
## 1353     5000   36 months    7.69    155.97   n/a       RENT
## 1354     5250   36 months    7.89    164.25   n/a       RENT
## 1355     6000   36 months    8.38    189.08   n/a       RENT
## 1356     8000   36 months    8.49    252.51   n/a       RENT
## 1357     8000   36 months    7.89    250.29   n/a   MORTGAGE
## 1358    15000   36 months    5.32    451.73   n/a   MORTGAGE
## 1359    15000   36 months    5.93    455.86   n/a   MORTGAGE
## 1360     5000   36 months    5.32    150.58   n/a   MORTGAGE
## 1361    25000   36 months    6.24    763.28   n/a   MORTGAGE
## 1362    14400   36 months    6.39    440.63   n/a   MORTGAGE
## 1363     8000   36 months    6.39    244.80   n/a   MORTGAGE
## 1364    21000   36 months    6.68    645.36   n/a   MORTGAGE
## 1365     6600   36 months    6.89    203.46   n/a   MORTGAGE
## 1366    12000   36 months    6.89    369.93   n/a   MORTGAGE
## 1367    13200   36 months    7.26    409.15   n/a   MORTGAGE
## 1368    15000   36 months    7.69    467.91   n/a   MORTGAGE
## 1369    10000   36 months    7.49    311.02   n/a   MORTGAGE
## 1370     6900   36 months    5.93    209.70   n/a   MORTGAGE
## 1371    24000   36 months    6.62    736.89   n/a   MORTGAGE
## 1372     8000   36 months    6.24    244.25   n/a   MORTGAGE
## 1373     6800   36 months    6.49    208.39   n/a   MORTGAGE
## 1374    15000   36 months    6.89    462.41   n/a   MORTGAGE
## 1375    11200   36 months    7.49    348.34   n/a   MORTGAGE
## 1376     8000   36 months    7.89    250.29   n/a   MORTGAGE
```

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## 1377     5000   36 months    7.26    154.99    n/a    MORTGAGE
## 1378    12000   36 months    5.32    361.38    n/a    MORTGAGE
## 1379    18000   36 months    7.90    563.23    n/a    MORTGAGE
## 1380    35000   36 months    7.89   1095.00    n/a    MORTGAGE
## 1381     5000   36 months    7.89    156.43    n/a    MORTGAGE
## 1382     8000   36 months    6.99    246.99    n/a    MORTGAGE
## 1383     9000   36 months    6.03    273.92    n/a    MORTGAGE
## 1384    20000   36 months    5.93    607.81    n/a    MORTGAGE
## 1385    15000   36 months    5.32    451.73    n/a    MORTGAGE
## 1386    28800   36 months    6.03    876.55    n/a    MORTGAGE
## 1387     6000   36 months    5.32    180.69    n/a    MORTGAGE
## 1388    14000   36 months    6.24    427.44    n/a    MORTGAGE
## 1389    25000   36 months    6.89    770.68    n/a    MORTGAGE
## 1390    15000   36 months    7.62    467.43    n/a    MORTGAGE
## 1391     7000   36 months    7.49    217.72    n/a    MORTGAGE
## 1392    25000   36 months    8.90    793.84    n/a    MORTGAGE
## 1393    28000   36 months    7.89    876.00    n/a    MORTGAGE
## 1394    10000   36 months    7.89    312.86    n/a    MORTGAGE
## 1395     7000   36 months    8.39    220.62    n/a    MORTGAGE
## 1396    25000   36 months    8.90    793.84    n/a    MORTGAGE
## 1397     8000   36 months    7.89    250.29    n/a    MORTGAGE
## 1398     6000   36 months    7.89    187.72    n/a    MORTGAGE
## 1399     9000   36 months    7.69    280.75    n/a    MORTGAGE
## 1400     5500   36 months    8.19    172.84    n/a    MORTGAGE
## 1401    16800   36 months    6.89    517.90    n/a    MORTGAGE
## 1402     7000   36 months    8.19    219.97    n/a    MORTGAGE
## 1403    12000   36 months    8.19    377.09    n/a    MORTGAGE
## 1404    15000   36 months    7.12    463.98    n/a    MORTGAGE
## 1405    16200   36 months    7.89    506.83    n/a    MORTGAGE
## 1406    16000   36 months    7.26    495.94    n/a    MORTGAGE
## 1407    24000   36 months    7.12    742.37    n/a    MORTGAGE
## 1408     8000   36 months    6.89    246.62    n/a    MORTGAGE
## 1409    10000   36 months    7.12    309.32    n/a    MORTGAGE
## 1410    15000   36 months    8.39    472.75    n/a    MORTGAGE
## 1411    21000   36 months    8.39    661.85    n/a    MORTGAGE
## 1412    25000   36 months    6.92    771.02    n/a    MORTGAGE
## 1413     8500   36 months    7.69    265.15    n/a    MORTGAGE
## 1414    10000   36 months    6.03    304.36    n/a    MORTGAGE
## 1415    12000   36 months    6.03    365.23    n/a    MORTGAGE
## 1416     8000   36 months    6.39    244.80    n/a    MORTGAGE
## 1417     6000   36 months    6.39    183.60    n/a    MORTGAGE
## 1418    10000   36 months    6.89    308.27    n/a    MORTGAGE
## 1419    14400   36 months    7.89    450.52    n/a    MORTGAGE
## 1420     7800   36 months    7.89    244.03    n/a    MORTGAGE
## 1421     8000   36 months    7.90    250.33    n/a    MORTGAGE
## 1422    12000   36 months    8.90    381.04    n/a    MORTGAGE
## 1423     5000   36 months    6.39    153.00    n/a    MORTGAGE
## 1424    12000   36 months    7.12    371.19    n/a    MORTGAGE
## 1425     5600   36 months    6.62    171.95    n/a    MORTGAGE
## 1426    20000   36 months    8.39    630.34    n/a    MORTGAGE
## 1427    23275   36 months    8.90    739.06    n/a    MORTGAGE
## 1428    15000   36 months    8.19    471.37    n/a    MORTGAGE
## 1429     3000   36 months    8.90     95.26    n/a    MORTGAGE
## 1430     5000   36 months    7.26    154.99    n/a    MORTGAGE
```

```
## 1431    5000   36 months    6.24   152.66   n/a   MORTGAGE
## 1432   25600   36 months    8.39   806.83   n/a   MORTGAGE
## 1433    5000   36 months    9.76   160.78   n/a   MORTGAGE
## 1434    3300   36 months    5.42    99.53   n/a   MORTGAGE
## 1435    9000   36 months    5.79   272.95   n/a   MORTGAGE
## 1436   10000   36 months    7.14   309.40   n/a   MORTGAGE
## 1437    4500   36 months    5.42   135.72   n/a   MORTGAGE
## 1438    5150   36 months    7.90   161.15   n/a   MORTGAGE
## 1439    6400   36 months    7.90   200.26   n/a   MORTGAGE
## 1440    5000   36 months    7.51   155.56   n/a   MORTGAGE
## 1441    8500   36 months    6.03   258.71   n/a   MORTGAGE
## 1442   20000   36 months    7.49   622.04   n/a   MORTGAGE
## 1443    1000   36 months    5.79    30.33   n/a   MORTGAGE
## 1444    8000   36 months    7.26   247.97   n/a   MORTGAGE
## 1445    6000   36 months   10.74   195.70   n/a   MORTGAGE
## 1446    1000   36 months   10.99    32.74   n/a   MORTGAGE
## 1447    9800   36 months   11.49   323.12   n/a   MORTGAGE
## 1448    5000   36 months   13.35   169.32   n/a       RENT
## 1449    5700   36 months   12.29   190.12   n/a       RENT
## 1450   20000   36 months   13.66   680.26   n/a       RENT
## 1451   10000   36 months   12.69   335.45   n/a       RENT
## 1452   18400   36 months   13.99   628.78   n/a       RENT
## 1453   17150   36 months   13.33   580.59   n/a       RENT
## 1454   10375   36 months   12.29   346.04   n/a       RENT
## 1455    3450   36 months   13.99   117.90   n/a       RENT
## 1456   10075   36 months   14.99   349.21   n/a       RENT
## 1457    8000   36 months   13.33   270.83   n/a       RENT
## 1458    8400   36 months   12.29   280.17   n/a       RENT
## 1459   12000   36 months   15.23   417.34   n/a       RENT
## 1460   12000   36 months   13.33   406.24   n/a       RENT
## 1461    1000   36 months   14.96    34.65   n/a       RENT
## 1462    1950   36 months   18.49    70.98   n/a       RENT
## 1463    5175   36 months   16.55   183.35   n/a       RENT
## 1464    8000   36 months   16.99   285.19   n/a       RENT
## 1465    5000   36 months   15.61   174.83   n/a       RENT
## 1466   25000   36 months   17.86   902.06   n/a       RENT
## 1467   10000   36 months   17.57   359.38   n/a       RENT
## 1468   10000   36 months   15.61   349.65   n/a       RENT
## 1469    6100   36 months   15.61   213.29   n/a   MORTGAGE
## 1470   13400   36 months   15.59   468.40   n/a   MORTGAGE
## 1471   25000   36 months   15.61   874.12   n/a   MORTGAGE
## 1472   10100   36 months   15.41   352.16   n/a   MORTGAGE
## 1473    1200   36 months   19.05    44.02   n/a   MORTGAGE
## 1474    9000   36 months    6.24   274.78   n/a        OWN
## 1475   10000   36 months    5.32   301.15   n/a        OWN
## 1476   11000   36 months    7.49   342.12   n/a        OWN
## 1477    8475   36 months   16.55   300.27   n/a       RENT
## 1478    8500   36 months   16.55   301.15   n/a       RENT
## 1479   18000   36 months   15.61   629.37   n/a       RENT
## 1480   11000   36 months   18.75   401.83   n/a       RENT
## 1481   19200   36 months   18.25   696.54   n/a       RENT
## 1482   13200   36 months   13.18   445.91   n/a       RENT
## 1483    3000   36 months   12.59   100.50   n/a       RENT
## 1484   12400   36 months   12.69   415.96   n/a       RENT
```

```
## 1485     5000   36 months   12.69   167.73   n/a   RENT
## 1486    23000   36 months   12.69   771.54   n/a   RENT
## 1487     3000   36 months   12.29   100.06   n/a   RENT
## 1488    12000   36 months   13.33   406.24   n/a   RENT
## 1489     5000   36 months   13.99   170.87   n/a   RENT
## 1490     2500   36 months   13.33    84.64   n/a   RENT
## 1491     2400   36 months   13.33    81.25   n/a   RENT
## 1492     1000   36 months   14.27    34.31   n/a   RENT
## 1493    10000   36 months   13.23   338.05   n/a   RENT
## 1494     6000   36 months   16.29   211.81   n/a   RENT
## 1495     3700   36 months   14.22   126.86   n/a   RENT
## 1496     1500   36 months   12.61    50.26   n/a   RENT
## 1497     2100   36 months   18.75    76.72   n/a   RENT
## 1498     6000   36 months   12.99   202.14   n/a   OWN
## 1499     5125   36 months    9.99   165.35   n/a   OWN
## 1500     8000   36 months    8.18   251.36   n/a   OWN
## 1501     6400   36 months    9.17   204.03   n/a   OWN
## 1502     3625   36 months   16.20   127.81   n/a   OWN
## 1503    20000   36 months   15.88   701.96   n/a   OWN
## 1504     3000   36 months   13.66   102.04   n/a   OWN
## 1505     2000   36 months   14.31    68.66   n/a   OWN
## 1506     1300   36 months   14.49    44.75   n/a   OWN
## 1507     5000   36 months   12.29   166.77   n/a   OWN
## 1508     4800   36 months   13.99   164.03   n/a   OWN
## 1509     4000   36 months   12.29   133.42   n/a   OWN
## 1510    14400   36 months   13.35   487.63   n/a   OWN
## 1511     9900   36 months   13.99   338.32   n/a   OWN
## 1512    10000   36 months   12.69   335.45   n/a   OWN
## 1513    11000   36 months   14.65   379.44   n/a   OWN
## 1514    21000   36 months   13.98   717.53   n/a   OWN
## 1515     8000   36 months   14.49   275.33   n/a   OWN
## 1516     8000   36 months   14.99   277.29   n/a   OWN
## 1517     5000   36 months   15.61   174.83   n/a   OWN
## 1518     8000   36 months   12.59   267.98   n/a   OWN
## 1519     2400   36 months   12.69    80.51   n/a   OWN
## 1520    28000   36 months   14.33   961.47   n/a   OWN
## 1521    14000   36 months   14.33   480.74   n/a   OWN
## 1522     4000   36 months   15.23   139.12   n/a   OWN
## 1523     8000   36 months   13.33   270.83   n/a   OWN
## 1524     4000   36 months   14.99   138.65   n/a   OWN
## 1525    10000   36 months   18.49   363.99   n/a   OWN
## 1526     5000   36 months   15.61   174.83   n/a   OWN
## 1527     3200   36 months   16.99   114.08   n/a   OWN
## 1528    13000   36 months   16.99   463.43   n/a   OWN
## 1529     7625   36 months   17.86   275.13   n/a   OWN
## 1530    10150   36 months   16.55   359.61   n/a   OWN
## 1531     5000   36 months   18.55   182.15   n/a   OWN
## 1532    11575   36 months   16.55   410.10   n/a   OWN
## 1533     6225   36 months   15.61   217.66   n/a   OWN
## 1534     4500   36 months   18.25   163.26   n/a   OWN
## 1535    10000   36 months   18.25   362.78   n/a   OWN
## 1536     8325   36 months   17.77   300.01   n/a   OWN
## 1537    24000   36 months   17.99   867.54   n/a   OWN
## 1538    10000   36 months   18.49   363.99   n/a   OWN
```

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## 1539    18000   36 months   18.49   655.18   n/a          OWN
## 1540     9600   36 months    8.18   301.63   n/a         RENT
## 1541     8350   36 months    8.18   262.36   n/a         RENT
## 1542    18000   36 months   10.99   589.22   n/a         RENT
## 1543     2625   36 months   11.99    87.18   n/a         RENT
## 1544    10000   36 months   10.49   324.98   n/a         RENT
## 1545     4800   36 months   11.22   157.65   n/a         RENT
## 1546     3200   36 months   11.49   105.51   n/a         RENT
## 1547    21000   36 months   12.99   707.48   n/a         RENT
## 1548    15000   36 months    9.49   480.43   n/a         RENT
## 1549     1000   36 months    8.18    31.42   n/a         RENT
## 1550     5000   36 months    8.18   157.10   n/a         RENT
## 1551     2500   36 months    9.17    79.70   n/a         RENT
## 1552     8000   36 months    9.99   258.10   n/a         RENT
## 1553     4000   36 months   10.99   130.94   n/a         RENT
## 1554    12000   36 months   11.53   395.89   n/a         RENT
## 1555    12000   36 months   11.53   395.89   n/a         RENT
## 1556     3200   36 months    9.17   102.02   n/a         RENT
## 1557     6000   36 months    8.18   188.52   n/a         RENT
## 1558    25000   36 months    9.99   806.57   n/a         RENT
## 1559    17000   36 months   11.99   564.57   n/a         RENT
## 1560     9600   36 months    8.18   301.63   n/a         RENT
## 1561     6000   36 months    8.18   188.52   n/a         RENT
## 1562     2400   36 months    9.17    76.51   n/a         RENT
## 1563     9000   36 months   10.15   291.04   n/a         RENT
## 1564     7800   36 months    8.67   246.85   n/a         RENT
## 1565     5000   36 months    8.18   157.10   n/a         RENT
## 1566    14000   36 months    9.67   449.58   n/a         RENT
## 1567     5000   36 months   10.15   161.69   n/a         RENT
## 1568     7000   36 months   10.99   229.14   n/a         RENT
## 1569     3500   36 months   10.99   114.57   n/a         RENT
## 1570    15000   36 months    9.76   482.32   n/a         RENT
## 1571     6000   36 months   12.99   202.14   n/a         RENT
## 1572    17000   36 months   10.99   556.48   n/a         RENT
## 1573     9000   36 months   12.49   301.04   n/a         RENT
## 1574     2700   36 months   10.49    87.75   n/a         RENT
## 1575     5000   36 months    9.76   160.78   n/a         RENT
## 1576     7000   36 months   11.53   230.94   n/a         RENT
## 1577     8500   36 months    9.17   270.98   n/a         RENT
## 1578     7500   36 months   10.99   245.51   n/a         RENT
## 1579     7000   36 months    9.17   223.16   n/a         RENT
## 1580     2000   36 months   12.49    66.90   n/a         RENT
## 1581     9000   36 months    9.17   286.92   n/a         RENT
## 1582     8000   36 months    9.17   255.04   n/a         RENT
## 1583     4000   36 months    8.18   125.68   n/a         RENT
## 1584     2000   36 months    8.18    62.84   n/a         RENT
## 1585     6000   36 months    9.99   193.58   n/a         RENT
## 1586     5000   36 months   10.99   163.67   n/a         RENT
## 1587     2700   36 months    8.38    85.09   n/a         RENT
## 1588     2000   36 months   11.53    65.99   n/a         RENT
## 1589     3000   36 months   11.67    99.18   n/a         RENT
## 1590    20000   36 months   13.11   674.94   n/a         RENT
## 1591     3600   36 months    9.17   114.77   n/a         RENT
## 1592     5025   36 months   10.15   162.50   n/a         RENT
```

```
## 1593     5000  36 months  12.49   167.25  n/a      RENT
## 1594    10000  36 months  11.53   329.91  n/a      RENT
## 1595     3000  36 months  11.99    99.63  n/a      RENT
## 1596     9600  36 months   8.18   301.63  n/a      RENT
## 1597    35000  36 months  21.67  1330.70  n/a      RENT
## 1598    11450  36 months  18.55   417.12  n/a      RENT
## 1599     8000  36 months   6.62   245.63  n/a  MORTGAGE
## 1600     3000  36 months   6.62    92.12  n/a  MORTGAGE
## 1601     5000  36 months   7.90   156.46  n/a  MORTGAGE
## 1602    20000  36 months   6.03   608.72  n/a  MORTGAGE
## 1603    12000  36 months   6.49   367.74  n/a  MORTGAGE
## 1604    24800  36 months   6.62   761.46  n/a  MORTGAGE
## 1605     9600  36 months   7.62   299.15  n/a  MORTGAGE
## 1606    20000  36 months   7.90   625.81  n/a  MORTGAGE
## 1607    19200  36 months   7.90   600.78  n/a  MORTGAGE
## 1608     5700  36 months   7.90   178.36  n/a  MORTGAGE
## 1609    10000  36 months   8.39   315.17  n/a  MORTGAGE
## 1610    15000  36 months   6.39   458.99  n/a  MORTGAGE
## 1611    10000  36 months   7.69   311.94  n/a  MORTGAGE
## 1612    14000  36 months   7.26   433.95  n/a  MORTGAGE
## 1613     8000  36 months   7.49   248.82  n/a  MORTGAGE
## 1614    18500  36 months   6.49   566.93  n/a  MORTGAGE
## 1615    10000  36 months   6.03   304.36  n/a  MORTGAGE
## 1616    10000  36 months   6.62   307.04  n/a  MORTGAGE
## 1617    20000  36 months   7.62   623.23  n/a  MORTGAGE
## 1618    11000  36 months   7.90   344.20  n/a  MORTGAGE
## 1619    25000  36 months   6.49   766.12  n/a  MORTGAGE
## 1620     8000  36 months   8.19   251.40  n/a  MORTGAGE
## 1621    10000  36 months   6.89   308.27  n/a  MORTGAGE
## 1622     3000  36 months   8.19    94.28  n/a  MORTGAGE
## 1623     7000  36 months   6.03   213.05  n/a  MORTGAGE
## 1624    21000  36 months   6.03   639.15  n/a  MORTGAGE
## 1625    13200  36 months   6.03   401.75  n/a  MORTGAGE
## 1626    18000  36 months   6.62   552.67  n/a  MORTGAGE
## 1627    16000  36 months   7.90   500.65  n/a  MORTGAGE
## 1628     5000  36 months   7.62   155.81  n/a  MORTGAGE
## 1629    10000  36 months   6.03   304.36  n/a  MORTGAGE
## 1630    21600  36 months   7.12   668.14  n/a  MORTGAGE
## 1631     6000  36 months   5.42   180.96  n/a  MORTGAGE
## 1632     1800  36 months   7.62    56.10  n/a  MORTGAGE
## 1633     5000  36 months   7.90   156.46  n/a  MORTGAGE
## 1634    12000  36 months   7.90   375.49  n/a  MORTGAGE
## 1635    14000  36 months   6.03   426.10  n/a  MORTGAGE
## 1636    18025  36 months   7.12   557.55  n/a  MORTGAGE
## 1637     8800  36 months   8.49   277.76  n/a  MORTGAGE
## 1638     5000  36 months   6.03   152.18  n/a  MORTGAGE
## 1639    14000  36 months   6.03   426.10  n/a  MORTGAGE
## 1640     3000  36 months   7.62    93.49  n/a  MORTGAGE
## 1641    20000  36 months   7.51   622.22  n/a  MORTGAGE
## 1642    14000  36 months   6.03   426.10  n/a  MORTGAGE
## 1643     3000  36 months   6.03    91.31  n/a  MORTGAGE
## 1644     3500  36 months   7.62   109.07  n/a  MORTGAGE
## 1645    22400  36 months   8.39   705.98  n/a  MORTGAGE
## 1646     7000  36 months   7.90   219.04  n/a  MORTGAGE
```

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## 1647     7600  36 months     8.39    239.53     n/a     MORTGAGE
## 1648    28000  36 months    10.99    916.56     n/a     MORTGAGE
## 1649    18125  36 months    11.14    594.60     n/a     MORTGAGE
## 1650    10000  36 months    11.14    328.06     n/a     MORTGAGE
## 1651    12000  36 months    13.11    404.97     n/a     MORTGAGE
## 1652     3000  36 months    14.09    102.67     n/a     MORTGAGE
## 1653     6000  36 months     9.76    192.93     n/a     MORTGAGE
## 1654    25000  36 months    11.86    729.25     n/a     MORTGAGE
## 1655     1000  36 months    10.00     32.27     n/a         RENT
## 1656     6000  36 months    14.09    205.33     n/a         RENT
## 1657     3500  36 months    11.14    114.82     n/a         RENT
## 1658     6000  36 months     8.18    188.52     n/a     MORTGAGE
## 1659    10000  36 months     8.18    314.20     n/a     MORTGAGE
## 1660    20000  36 months     8.67    632.93     n/a     MORTGAGE
## 1661    35000  36 months     9.99   1129.19     n/a     MORTGAGE
## 1662    18000  36 months    11.67    595.03     n/a     MORTGAGE
## 1663    16000  36 months    10.99    523.75     n/a     MORTGAGE
## 1664     8000  36 months    11.53    263.93     n/a     MORTGAGE
## 1665    35000  36 months    11.99   1162.34     n/a     MORTGAGE
## 1666    12000  36 months    11.14    393.67     n/a     MORTGAGE
## 1667     3600  36 months     9.17    114.77     n/a     MORTGAGE
## 1668    27500  36 months     9.17    876.68     n/a     MORTGAGE
## 1669    11200  36 months    12.99    377.32     n/a     MORTGAGE
## 1670     5000  36 months    11.49    164.86     n/a     MORTGAGE
## 1671     3000  36 months     9.67     96.34     n/a     MORTGAGE
## 1672     4000  36 months     9.17    127.52     n/a     MORTGAGE
## 1673     5600  36 months     9.17    178.53     n/a     MORTGAGE
## 1674    15000  36 months     9.99    483.94     n/a     MORTGAGE
## 1675    10000  36 months    10.99    327.34     n/a     MORTGAGE
## 1676    30000  36 months     8.18    942.59     n/a     MORTGAGE
## 1677     9000  36 months     8.67    284.82     n/a     MORTGAGE
## 1678    15000  36 months     8.18    471.30     n/a     MORTGAGE
## 1679    30000  36 months     9.49    960.85     n/a     MORTGAGE
## 1680     6000  36 months    10.15    194.03     n/a     MORTGAGE
## 1681     9000  36 months    10.99    294.61     n/a     MORTGAGE
## 1682    16000  36 months    11.14    524.89     n/a     MORTGAGE
## 1683    35000  36 months    10.49   1137.43     n/a     MORTGAGE
## 1684    17625  36 months    11.99    585.32     n/a     MORTGAGE
## 1685     5000  36 months     9.99    161.32     n/a     MORTGAGE
## 1686    30000  36 months    11.67    991.71     n/a     MORTGAGE
## 1687     5000  36 months    11.53    164.96     n/a     MORTGAGE
## 1688    35000  36 months     8.67   1107.63     n/a     MORTGAGE
## 1689    18200  36 months    12.12    605.55     n/a     MORTGAGE
## 1690     8000  36 months     8.18    251.36     n/a     MORTGAGE
## 1691    10000  36 months    11.53    329.91     n/a     MORTGAGE
## 1692    10000  36 months     9.17    318.79     n/a     MORTGAGE
## 1693    10000  36 months    10.99    327.34     n/a     MORTGAGE
## 1694     5200  36 months    10.99    170.22     n/a     MORTGAGE
## 1695    10800  36 months     9.17    344.30     n/a     MORTGAGE
## 1696    13000  36 months     9.99    419.42     n/a     MORTGAGE
## 1697    15000  36 months     9.17    478.19     n/a     MORTGAGE
## 1698     5000  36 months     9.67    160.57     n/a     MORTGAGE
## 1699     7000  36 months     8.67    221.53     n/a     MORTGAGE
## 1700    35000  36 months     9.99   1129.19     n/a     MORTGAGE
```

```
## 1701   10000   36 months    9.67    321.13   n/a   MORTGAGE
## 1702    6000   36 months   10.99    196.41   n/a   MORTGAGE
## 1703   14400   36 months   10.99    471.37   n/a   MORTGAGE
## 1704    5000   36 months    9.17    159.40   n/a   MORTGAGE
## 1705    8000   36 months    8.18    251.36   n/a   MORTGAGE
## 1706    2975   36 months   13.05    100.32   n/a   MORTGAGE
## 1707    6000   36 months    9.71    192.79   n/a   MORTGAGE
## 1708    4800   36 months    9.99    154.86   n/a   MORTGAGE
## 1709   20000   36 months   10.99    654.68   n/a   MORTGAGE
## 1710   10000   36 months   10.15    323.38   n/a   MORTGAGE
## 1711   12000   36 months   10.99    392.81   n/a   MORTGAGE
## 1712    9000   36 months   10.16    291.09   n/a   MORTGAGE
## 1713    6000   36 months   11.99    199.26   n/a   MORTGAGE
## 1714   30000   36 months   11.99    996.29   n/a   MORTGAGE
## 1715    8000   36 months   11.14    262.45   n/a   MORTGAGE
## 1716    9600   36 months   11.14    314.93   n/a   MORTGAGE
## 1717   24500   36 months   12.12    815.16   n/a   MORTGAGE
## 1718   14000   36 months   12.49    468.29   n/a   MORTGAGE
## 1719   10000   36 months   11.67    330.57   n/a   MORTGAGE
## 1720   10000   36 months   14.09    342.22   n/a   MORTGAGE
## 1721    8000   36 months   14.09    273.78   n/a   MORTGAGE
## 1722   10000   36 months   10.64    325.69   n/a   MORTGAGE
## 1723   35000   36 months   12.85   1176.77   n/a   MORTGAGE
## 1724   11875   36 months   12.49    397.21   n/a   MORTGAGE
## 1725    6000   36 months   11.14    196.84   n/a   MORTGAGE
## 1726    7200   36 months    9.67    231.21   n/a   MORTGAGE
## 1727   25000   36 months   11.99    830.24   n/a   MORTGAGE
## 1728   10000   36 months   11.99    332.10   n/a   MORTGAGE
## 1729    9450   36 months   14.09    323.40   n/a   MORTGAGE
## 1730    8000   36 months   14.09    273.78   n/a   MORTGAGE
## 1731    6400   36 months   14.09    219.02   n/a   MORTGAGE
## 1732   12000   36 months   10.99    392.81   n/a   MORTGAGE
## 1733    7000   36 months   10.99    229.14   n/a   MORTGAGE
## 1734    4000   36 months   11.99    132.84   n/a   MORTGAGE
## 1735   12825   36 months   10.74    418.30   n/a   MORTGAGE
## 1736    9600   36 months   13.11    323.98   n/a   MORTGAGE
## 1737   15000   36 months   12.49    501.74   n/a   MORTGAGE
## 1738    4000   36 months   10.74    130.47   n/a   MORTGAGE
## 1739    1600   36 months   12.12     53.24   n/a   MORTGAGE
## 1740   22000   36 months   10.99    720.15   n/a   MORTGAGE
## 1741   10000   36 months   10.99    327.34   n/a   MORTGAGE
## 1742   10000   36 months   10.15    323.38   n/a   MORTGAGE
## 1743   18000   36 months    9.17    573.83   n/a   MORTGAGE
## 1744    5600   36 months   15.88    196.55   n/a   MORTGAGE
## 1745    3550   36 months   16.29    125.32   n/a   MORTGAGE
## 1746   14150   36 months   14.64    488.03   n/a   MORTGAGE
## 1747    7550   36 months   13.98    257.97   n/a   MORTGAGE
## 1748    4000   36 months   14.79    138.26   n/a   MORTGAGE
## 1749    8500   36 months   13.23    287.35   n/a   MORTGAGE
## 1750    5000   36 months   14.65    172.48   n/a   MORTGAGE
## 1751    1500   36 months   15.88     52.65   n/a   MORTGAGE
## 1752    5400   36 months   16.55    191.32   n/a   MORTGAGE
## 1753   19800   36 months   15.61    692.31   n/a   MORTGAGE
## 1754    3200   36 months   17.86    115.47   n/a   MORTGAGE
```

```
## 1755    8000  36 months  18.75  292.24  n/a  MORTGAGE
## 1756    2000  36 months  17.56   71.87  n/a  MORTGAGE
## 1757    4000  36 months  15.41  139.47  n/a  MORTGAGE
## 1758    6350  36 months  19.99  235.96  n/a  MORTGAGE
## 1759   10000  36 months  12.29  333.53  n/a      RENT
## 1760   12175  36 months  12.69  408.41  n/a      RENT
## 1761    9250  36 months  15.31  322.07  n/a      RENT
## 1762   10000  36 months  13.35  338.63  n/a      RENT
## 1763    4750  36 months  13.18  160.46  n/a      RENT
## 1764   25000  36 months  17.27  894.69  n/a      RENT
## 1765   18000  36 months   6.24  549.56  n/a      RENT
## 1766    7700  36 months   7.12  238.18  n/a      RENT
## 1767   25000  36 months   6.89  770.68  n/a      RENT
## 1768    5000  36 months   6.89  154.14  n/a      RENT
## 1769    7000  36 months   6.89  215.79  n/a      RENT
## 1770    7675  36 months   6.92  236.71  n/a      RENT
## 1771    5000  36 months   6.92  154.21  n/a      RENT
## 1772    7500  36 months   8.19  235.69  n/a      RENT
## 1773   24000  36 months   7.89  750.86  n/a      RENT
## 1774   20000  36 months   7.89  625.72  n/a      RENT
## 1775    1600  36 months   7.89   50.06  n/a      RENT
## 1776   10000  36 months   6.03  304.36  n/a      RENT
## 1777    5000  36 months   6.99  154.37  n/a      RENT
## 1778    6500  36 months   7.89  203.36  n/a      RENT
## 1779    6000  36 months   6.99  185.24  n/a      RENT
## 1780   12000  36 months   6.89  369.93  n/a      RENT
## 1781   14750  36 months   7.89  461.47  n/a      RENT
## 1782   10000  36 months   9.25  319.17  n/a      RENT
## 1783    6800  36 months   7.89  212.75  n/a      RENT
## 1784   12800  36 months   7.26  396.76  n/a      RENT
## 1785   10000  36 months   7.89  312.86  n/a      RENT
## 1786    5000  36 months   7.26  154.99  n/a      RENT
## 1787    6000  36 months   7.90  187.75  n/a      RENT
## 1788    3000  36 months   8.39   94.55  n/a      RENT
## 1789    5500  36 months   8.90  174.65  n/a      RENT
## 1790    8400  36 months   7.89  262.80  n/a      RENT
## 1791   26600  36 months   6.92  820.36  n/a      RENT
## 1792    9975  36 months   7.49  310.24  n/a      RENT
## 1793    6000  36 months   7.26  185.98  n/a      RENT
## 1794    9000  36 months   7.89  281.58  n/a      RENT
## 1795   20000  36 months   6.92  616.82  n/a      RENT
## 1796    3200  36 months   6.62   98.26  n/a      RENT
## 1797    5000  36 months   8.19  157.13  n/a      RENT
## 1798    5000  36 months   9.76  160.78  n/a      RENT
## 1799    3000  36 months   8.38   94.54  n/a      RENT
## 1800    3000  36 months  11.67   99.18  n/a      RENT
## 1801    6000  36 months  16.99  213.89  n/a      RENT
## 1802    2950  36 months  15.61  103.15  n/a      RENT
## 1803   10725  36 months  17.57  385.43  n/a      RENT
## 1804    6000  36 months  17.57  215.63  n/a      RENT
## 1805    3000  36 months  16.99  106.95  n/a      RENT
## 1806   12000  36 months  17.86  432.99  n/a      RENT
## 1807    5000  36 months  16.55  177.15  n/a      RENT
## 1808    8000  36 months  18.85  292.65  n/a      RENT
```

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## 1809     4425   36 months   17.86      159.67    n/a       RENT
## 1810    20000   36 months   19.05      733.63    n/a       RENT
## 1811     2500   36 months   16.29       88.26    n/a       RENT
## 1812    25000   36 months   17.57      898.43    n/a       RENT
## 1813    12000   36 months   16.99      427.78    n/a       RENT
## 1814     6000   36 months   20.99      226.02    n/a       RENT
## 1815     5375   36 months   19.99      199.73    n/a       RENT
## 1816     5025   36 months   19.52      185.53    n/a       RENT
## 1817     2825   36 months   18.55      102.92    n/a       RENT
## 1818     3350   36 months   18.25      121.54    n/a       RENT
## 1819     4000   36 months   20.20      149.07    n/a       RENT
## 1820     4100   36 months   18.99      150.27    n/a       RENT
## 1821    15000   36 months    7.89      469.29    n/a   MORTGAGE
## 1822     7500   36 months    6.89      231.21    n/a   MORTGAGE
## 1823    14400   36 months    6.89      443.91    n/a   MORTGAGE
## 1824    28000   36 months    6.24      854.87    n/a   MORTGAGE
## 1825    15000   36 months    7.49      466.53    n/a   MORTGAGE
## 1826     8000   36 months    7.91      250.36    n/a   MORTGAGE
## 1827    25000   36 months    7.26      774.91    n/a   MORTGAGE
## 1828     4375   36 months    7.90      136.90    n/a       RENT
## 1829     2100   36 months    7.62       65.44    n/a       RENT
## 1830     4000   36 months    6.17      122.00    n/a       RENT
## 1831     2625   36 months    8.90       83.36    n/a       RENT
## 1832     6000   36 months    5.32      180.69    n/a       RENT
## 1833    11200   36 months    5.32      337.29    n/a       RENT
## 1834     8000   36 months    5.32      240.92    n/a       RENT
## 1835     6450   36 months    8.39      203.29    n/a       RENT
## 1836    24000   36 months    6.39      734.38    n/a       RENT
## 1837     4000   36 months    6.24      122.13    n/a       RENT
## 1838     4600   36 months    6.89      141.81    n/a       RENT
## 1839    13200   36 months    7.89      412.98    n/a       RENT
## 1840     6000   36 months    7.26      185.98    n/a       RENT
## 1841    10000   36 months    8.49      315.63    n/a   MORTGAGE
## 1842    10000   36 months   10.99      327.34    n/a   MORTGAGE
## 1843     7000   36 months    9.17      223.16    n/a   MORTGAGE
## 1844    14000   36 months    9.17      446.31    n/a   MORTGAGE
## 1845    12000   36 months    8.18      377.04    n/a   MORTGAGE
## 1846    15000   36 months    9.67      481.69    n/a   MORTGAGE
## 1847    15000   36 months    8.18      471.30    n/a   MORTGAGE
## 1848     5600   36 months    8.18      175.95    n/a   MORTGAGE
## 1849    16000   36 months   10.16      517.48    n/a   MORTGAGE
## 1850    18000   36 months    9.67      578.03    n/a   MORTGAGE
## 1851    18000   36 months   10.15      582.08    n/a   MORTGAGE
## 1852    22000   36 months    9.17      701.34    n/a   MORTGAGE
## 1853    35000   36 months    9.17     1115.77    n/a   MORTGAGE
## 1854     8000   36 months   10.99      261.88    n/a   MORTGAGE
## 1855     6000   36 months    9.17      191.28    n/a   MORTGAGE
## 1856    10000   36 months    9.17      318.79    n/a   MORTGAGE
## 1857     8500   36 months   10.99      278.24    n/a   MORTGAGE
## 1858     4000   36 months    9.99      129.05    n/a   MORTGAGE
## 1859    12000   36 months   12.12      399.26    n/a   MORTGAGE
## 1860    19000   36 months   10.99      621.95    n/a   MORTGAGE
## 1861    10200   36 months   11.67      337.19    n/a   MORTGAGE
## 1862    27300   36 months   12.85      917.88    n/a   MORTGAGE
```

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## 1863     31975   36 months   11.67    1057.00      n/a      MORTGAGE
## 1864      7500   36 months   10.99     245.51      n/a      MORTGAGE
## 1865     15000   36 months   10.99     491.01      n/a      MORTGAGE
## 1866     12000   36 months    8.18     377.04      n/a      MORTGAGE
## 1867      5525   36 months   10.99     180.86      n/a      MORTGAGE
## 1868      5000   36 months    9.17     159.40      n/a      MORTGAGE
## 1869      6500   36 months   12.99     218.98      n/a      MORTGAGE
## 1870     14475   36 months    9.17     461.45      n/a      MORTGAGE
## 1871     15000   36 months    9.17     478.19      n/a      MORTGAGE
## 1872      8000   36 months   12.99     269.52      n/a      MORTGAGE
## 1873     10000   36 months    9.17     318.79      n/a      MORTGAGE
## 1874      6000   36 months    9.17     191.28      n/a      MORTGAGE
## 1875      4450   36 months   10.15     143.91      n/a      MORTGAGE
## 1876     35000   36 months    9.99    1129.19      n/a      MORTGAGE
## 1877     20000   36 months    9.99     645.25      n/a      MORTGAGE
## 1878      8000   36 months   10.99     261.88      n/a      MORTGAGE
## 1879     10000   36 months   13.11     337.47      n/a      MORTGAGE
## 1880     32000   36 months   11.53    1055.69      n/a      MORTGAGE
## 1881      9100   36 months   12.49     304.39      n/a      MORTGAGE
## 1882     15000   36 months    9.17     478.19      n/a      MORTGAGE
## 1883     20000   36 months   11.53     659.81      n/a      MORTGAGE
## 1884      8000   36 months    8.18     251.36      n/a      MORTGAGE
## 1885      5000   36 months    9.17     159.40      n/a      MORTGAGE
## 1886     15000   36 months    9.99     483.94      n/a      MORTGAGE
## 1887      8975   36 months   10.99     293.79      n/a      MORTGAGE
## 1888     10000   36 months   11.99     332.10      n/a      MORTGAGE
## 1889     25425   36 months   10.49     826.26      n/a      MORTGAGE
## 1890      6200   36 months    8.18     194.81      n/a      MORTGAGE
## 1891     10000   36 months    9.17     318.79      n/a      MORTGAGE
## 1892     10000   36 months    9.17     318.79      n/a      MORTGAGE
## 1893     15000   36 months    9.17     478.19      n/a      MORTGAGE
## 1894     12000   36 months    9.17     382.55      n/a      MORTGAGE
## 1895      8000   36 months   10.99     261.88      n/a      MORTGAGE
## 1896      1200   36 months    8.18      37.71      n/a      MORTGAGE
## 1897      6500   36 months    9.67     208.74      n/a      MORTGAGE
## 1898      7500   36 months    9.17     239.10      n/a      MORTGAGE
## 1899     21000   36 months    9.17     669.46      n/a      MORTGAGE
## 1900     22800   36 months   10.15     737.30      n/a      MORTGAGE
## 1901     10000   36 months   11.14     328.06      n/a      MORTGAGE
## 1902      8000   36 months    9.17     255.04      n/a      MORTGAGE
## 1903     15600   36 months    9.17     497.32      n/a      MORTGAGE
## 1904      3000   36 months    9.17      95.64      n/a      MORTGAGE
## 1905     10000   36 months    9.17     318.79      n/a      MORTGAGE
## 1906     10000   36 months    9.76     321.55      n/a      MORTGAGE
## 1907     15625   36 months    9.99     504.11      n/a      MORTGAGE
## 1908     15000   36 months    9.99     483.94      n/a      MORTGAGE
## 1909     13375   36 months    9.99     431.52      n/a      MORTGAGE
## 1910     13800   36 months   10.49     448.47      n/a      MORTGAGE
## 1911     35000   36 months   10.99    1145.69      n/a      MORTGAGE
## 1912     19000   36 months   11.67     628.09      n/a      MORTGAGE
## 1913     18050   36 months   10.99     590.85      n/a      MORTGAGE
## 1914      6975   36 months   10.99     228.32      n/a      MORTGAGE
## 1915     30825   36 months   11.53    1016.93      n/a      MORTGAGE
## 1916     21000   36 months   12.49     702.43      n/a      MORTGAGE
```

```
## 1917    11175   36 months   11.53    368.67    n/a   MORTGAGE
## 1918     6400   36 months   11.99    212.55    n/a   MORTGAGE
## 1919     8000   36 months   11.53    263.93    n/a   MORTGAGE
## 1920    15000   36 months   11.53    494.86    n/a   MORTGAGE
## 1921     9600   36 months    8.18    301.63    n/a   MORTGAGE
## 1922     7500   36 months    8.67    237.35    n/a   MORTGAGE
## 1923    21250   36 months   12.12    707.03    n/a   MORTGAGE
## 1924    21000   36 months   10.99    687.42    n/a   MORTGAGE
## 1925    10000   36 months   10.64    325.69    n/a   MORTGAGE
## 1926    10000   36 months   11.44    329.48    n/a   MORTGAGE
## 1927     8000   36 months   11.53    263.93    n/a   MORTGAGE
## 1928    35000   36 months   11.53   1154.66    n/a   MORTGAGE
## 1929     6400   36 months   11.53    211.14    n/a   MORTGAGE
## 1930    21000   36 months   11.53    692.80    n/a   MORTGAGE
## 1931    28000   36 months   11.53    923.73    n/a   MORTGAGE
## 1932    20000   36 months   14.09    684.43    n/a   MORTGAGE
## 1933    13000   36 months    9.99    419.42    n/a   MORTGAGE
## 1934    32425   36 months   10.99   1061.40    n/a   MORTGAGE
## 1935    20000   36 months    8.18    628.39    n/a   MORTGAGE
## 1936    10000   36 months    8.18    314.20    n/a   MORTGAGE
## 1937    24000   36 months   10.64    781.65    n/a   MORTGAGE
## 1938     7500   36 months   10.49    243.74    n/a   MORTGAGE
## 1939    12000   36 months    9.99    387.15    n/a   MORTGAGE
## 1940     8000   36 months   12.12    266.18    n/a   MORTGAGE
## 1941    11200   36 months   10.99    366.63    n/a   MORTGAGE
## 1942    20000   36 months   11.67    661.14    n/a   MORTGAGE
## 1943    10000   36 months   11.49    329.72    n/a   MORTGAGE
## 1944    11975   36 months   13.53    406.55    n/a   MORTGAGE
## 1945     5600   36 months   11.53    184.75    n/a   MORTGAGE
## 1946    12000   36 months    8.18    377.04    n/a   MORTGAGE
## 1947     5000   36 months    8.18    157.10    n/a   MORTGAGE
## 1948    15000   36 months    8.18    471.30    n/a   MORTGAGE
## 1949    14000   36 months    8.18    439.88    n/a   MORTGAGE
## 1950    24000   36 months   10.15    776.11    n/a   MORTGAGE
## 1951     6000   36 months   10.15    194.03    n/a   MORTGAGE
## 1952    20000   36 months    9.17    637.58    n/a   MORTGAGE
## 1953     6000   36 months    9.17    191.28    n/a   MORTGAGE
## 1954     8000   36 months   10.99    261.88    n/a   MORTGAGE
## 1955     3600   36 months    9.99    116.15    n/a   MORTGAGE
## 1956    12000   36 months    9.99    387.15    n/a   MORTGAGE
## 1957    20000   36 months   10.64    651.37    n/a   MORTGAGE
## 1958     6000   36 months   11.49    197.83    n/a   MORTGAGE
## 1959    16800   36 months   11.53    554.24    n/a   MORTGAGE
## 1960     7000   36 months    9.99    225.84    n/a   MORTGAGE
## 1961    15000   36 months   10.99    491.01    n/a   MORTGAGE
## 1962    12000   36 months   10.99    392.81    n/a   MORTGAGE
## 1963     7200   36 months   11.49    237.40    n/a   MORTGAGE
## 1964     8000   36 months    8.18    251.36    n/a   MORTGAGE
## 1965     5000   36 months    8.18    157.10    n/a   MORTGAGE
## 1966     3000   36 months    9.17     95.64    n/a   MORTGAGE
## 1967    12000   36 months   11.99    398.52    n/a   MORTGAGE
## 1968    10000   36 months   11.53    329.91    n/a   MORTGAGE
## 1969     6000   36 months   11.49    197.83    n/a   MORTGAGE
## 1970    12000   36 months   11.67    396.69    n/a   MORTGAGE
```

```
## 1971     4500  36 months    9.17   143.46    n/a    MORTGAGE
## 1972     7200  36 months   10.99   235.69    n/a    MORTGAGE
## 1973     5600  36 months   11.99   185.98    n/a    MORTGAGE
## 1974    10000  36 months    9.17   318.79    n/a    MORTGAGE
## 1975    10000  36 months   10.64   325.69    n/a    MORTGAGE
## 1976     5000  36 months   11.67   165.29    n/a    MORTGAGE
## 1977    13000  36 months    8.18   408.46    n/a    MORTGAGE
## 1978     9250  36 months   13.53   314.04    n/a    MORTGAGE
## 1979    11200  36 months   10.99   366.63    n/a    MORTGAGE
## 1980     8000  36 months    9.99   258.10    n/a    MORTGAGE
## 1981     6500  36 months   10.99   212.78    n/a    MORTGAGE
## 1982     5000  36 months    8.18   157.10    n/a    MORTGAGE
## 1983     7000  36 months   11.99   232.47    n/a    MORTGAGE
## 1984    15000  36 months    9.71   481.97    n/a    MORTGAGE
## 1985    16800  36 months    8.18   527.85    n/a    MORTGAGE
## 1986     9600  36 months    8.18   301.63    n/a    MORTGAGE
## 1987     6000  36 months    9.99   193.58    n/a    MORTGAGE
## 1988     8000  36 months    8.67   253.18    n/a    MORTGAGE
## 1989     7200  36 months    9.99   232.29    n/a    MORTGAGE
## 1990     5000  36 months   11.67   165.29    n/a    MORTGAGE
## 1991    16000  36 months   13.67   544.29    n/a    MORTGAGE
## 1992     5000  36 months    9.17   159.40    n/a    MORTGAGE
## 1993     5000  36 months   11.53   164.96    n/a    MORTGAGE
## 1994     6400  36 months   10.99   209.50    n/a    MORTGAGE
## 1995     2800  36 months   10.99    91.66    n/a    MORTGAGE
## 1996     5000  36 months   11.49   164.86    n/a    MORTGAGE
## 1997    10000  36 months    9.17   318.79    n/a    MORTGAGE
## 1998    10000  36 months    9.76   321.55    n/a    MORTGAGE
## 1999    18200  36 months   13.05   613.67    n/a    MORTGAGE
## 2000    10000  36 months    9.17   318.79    n/a    MORTGAGE
## 2001     7000  36 months   12.49   234.15    n/a    MORTGAGE
## 2002     2500  36 months   10.99    81.84    n/a    MORTGAGE
## 2003    11000  36 months   12.85   369.84    n/a    MORTGAGE
## 2004     7650  36 months   12.99   257.73    n/a    MORTGAGE
## 2005     9600  36 months   13.11   323.98    n/a    MORTGAGE
## 2006    20000  36 months   10.99   654.68    n/a    MORTGAGE
## 2007    11300  36 months   12.12   375.97    n/a    MORTGAGE
## 2008    12000  36 months   13.11   404.97    n/a    MORTGAGE
## 2009    17675  36 months   12.49   591.21    n/a    MORTGAGE
## 2010    17125  36 months    8.18   538.06    n/a    MORTGAGE
## 2011    21000  36 months   10.99   687.42    n/a    MORTGAGE
## 2012     3000  36 months   12.49   100.35    n/a    MORTGAGE
## 2013     6000  36 months    9.99   193.58    n/a    MORTGAGE
## 2014    13225  36 months   11.99   439.20    n/a    MORTGAGE
## 2015     8000  36 months   11.53   263.93    n/a    MORTGAGE
## 2016    21000  36 months   14.09   718.65    n/a    MORTGAGE
## 2017    15000  36 months   13.11   506.21    n/a    MORTGAGE
## 2018     8125  36 months   11.99   269.83    n/a    MORTGAGE
## 2019     3500  36 months   11.99   116.24    n/a    MORTGAGE
## 2020     2000  36 months   11.99    66.42    n/a    MORTGAGE
## 2021     3600  36 months   12.49   120.42    n/a    MORTGAGE
## 2022     6000  36 months   11.49   197.83    n/a    MORTGAGE
## 2023     5600  36 months   11.99   185.98    n/a    MORTGAGE
## 2024     4000  36 months   13.05   134.88    n/a    MORTGAGE
```

```
## 2025    10500  36 months   8.38   330.88   n/a   MORTGAGE
## 2026     5000  36 months  11.53   164.96   n/a   MORTGAGE
## 2027    12975  36 months  10.99   424.73   n/a   MORTGAGE
## 2028    23725  36 months  11.53   782.70   n/a   MORTGAGE
## 2029    10000  36 months   9.67   321.13   n/a   MORTGAGE
## 2030     9600  36 months  12.49   321.11   n/a   MORTGAGE
## 2031    12000  36 months   8.18   377.04   n/a   MORTGAGE
## 2032     6000  36 months  11.53   197.95   n/a   MORTGAGE
## 2033     4000  36 months  13.18   135.13   n/a   MORTGAGE
## 2034     9800  36 months  13.18   331.06   n/a   MORTGAGE
## 2035     8575  36 months  14.48   295.08   n/a   MORTGAGE
## 2036    18500  36 months  14.48   636.61   n/a   MORTGAGE
## 2037     2950  36 months  11.99    97.97   n/a   MORTGAGE
## 2038     7000  36 months  14.99   242.63   n/a   MORTGAGE
## 2039     6500  36 months  12.29   216.80   n/a   MORTGAGE
## 2040     3275  36 months  15.31   114.03   n/a   MORTGAGE
## 2041    15000  36 months  13.99   512.60   n/a   MORTGAGE
## 2042    20800  36 months  14.33   714.24   n/a   MORTGAGE
## 2043     5600  36 months  13.65   190.45   n/a   MORTGAGE
## 2044     8875  36 months  13.98   303.25   n/a   MORTGAGE
## 2045     9600  36 months  13.98   328.02   n/a   MORTGAGE
## 2046     5375  36 months  16.78   191.05   n/a   MORTGAGE
## 2047    14175  36 months  15.31   493.54   n/a   MORTGAGE
## 2048     7000  36 months  17.27   250.52   n/a   MORTGAGE
## 2049    26050  36 months  15.61   910.84   n/a   MORTGAGE
## 2050    15000  36 months  14.33   515.08   n/a   MORTGAGE
## 2051     5000  36 months  10.25   161.93   n/a   MORTGAGE
## 2052     3625  36 months  13.11   122.34   n/a   MORTGAGE
## 2053     7000  36 months   9.99   225.84   n/a   MORTGAGE
## 2054     8000  36 months  12.12   266.18   n/a   MORTGAGE
## 2055    22750  36 months  10.62   740.74   n/a   MORTGAGE
## 2056     1000  36 months  12.12    33.28   n/a   MORTGAGE
## 2057     1200  36 months  10.65    39.09   n/a   MORTGAGE
## 2058     3600  36 months   8.18   113.12   n/a   MORTGAGE
## 2059    10000  36 months  16.29   353.01   n/a   MORTGAGE
## 2060     5000  36 months  12.69   167.73   n/a   MORTGAGE
## 2061    10000  36 months  12.29   333.53   n/a   MORTGAGE
## 2062    21600  36 months  13.99   738.14   n/a   MORTGAGE
## 2063     4000  36 months  11.99   132.84   n/a   MORTGAGE
## 2064    10600  36 months  13.33   358.85   n/a   MORTGAGE
## 2065     2000  36 months  12.59    67.00   n/a   MORTGAGE
## 2066     9000  36 months  12.69   301.91   n/a   MORTGAGE
## 2067     4200  36 months  13.33   142.19   n/a   MORTGAGE
## 2068    10000  36 months  12.69   335.45   n/a   MORTGAGE
## 2069     3500  36 months  13.98   119.59   n/a   MORTGAGE
## 2070     4800  36 months  13.35   162.55   n/a   MORTGAGE
## 2071     4000  36 months  15.31   139.27   n/a   MORTGAGE
## 2072    11300  36 months  14.65   389.79   n/a   MORTGAGE
## 2073    19000  36 months  13.35   643.40   n/a   MORTGAGE
## 2074    10000  36 months  13.98   341.68   n/a   MORTGAGE
## 2075    15000  36 months  13.33   507.80   n/a   MORTGAGE
## 2076    30000  36 months  13.33  1015.60   n/a   MORTGAGE
## 2077     8600  36 months  12.59   288.08   n/a   MORTGAGE
## 2078    10000  36 months  10.99   327.34   n/a   MORTGAGE
```

```
## 2079    11200   36 months    8.18       351.90       n/a       MORTGAGE
## 2080    20000   36 months    8.18       628.39       n/a       MORTGAGE
## 2081     7500   36 months    9.17       239.10       n/a       MORTGAGE
## 2082    10000   36 months    9.17       318.79       n/a       MORTGAGE
## 2083    20000   36 months   11.49       659.43       n/a       MORTGAGE
## 2084     6700   36 months   10.99       219.32       n/a       MORTGAGE
## 2085    14000   36 months    8.18       439.88       n/a       MORTGAGE
## 2086    23000   36 months    9.99       742.04       n/a       MORTGAGE
## 2087     3000   36 months    9.99        96.79       n/a       MORTGAGE
## 2088     5000   36 months    8.18       157.10       n/a       MORTGAGE
## 2089    20000   36 months    9.99       645.25       n/a       MORTGAGE
## 2090    18000   36 months   10.99       589.22       n/a       MORTGAGE
## 2091    12000   36 months    9.17       382.55       n/a       MORTGAGE
## 2092    16800   36 months    9.99       542.01       n/a       MORTGAGE
## 2093    10000   36 months    9.17       318.79       n/a       MORTGAGE
## 2094    10000   36 months    8.18       314.20       n/a       MORTGAGE
## 2095    26000   36 months    9.99       838.83       n/a       MORTGAGE
## 2096    10000   36 months    9.17       318.79       n/a       MORTGAGE
## 2097    28000   36 months   11.53       923.73       n/a       MORTGAGE
## 2098    12000   36 months    9.99       387.15       n/a       MORTGAGE
## 2099    10000   36 months    9.88       216.62       n/a       MORTGAGE
## 2100     1500   36 months   13.11        50.63       n/a       MORTGAGE
## 2101     7000   36 months   10.99       229.14       n/a       MORTGAGE
## 2102    15000   36 months    9.99       483.94       n/a       MORTGAGE
## 2103    10000   36 months   10.65       325.74       n/a       MORTGAGE
## 2104     1000   36 months   10.59        32.55       n/a       MORTGAGE
## 2105     6000   36 months    9.88       193.27       n/a       MORTGAGE
## 2106     3000   36 months   10.99        98.21       n/a       MORTGAGE
## 2107    14500   36 months    9.88       467.06       n/a       MORTGAGE
## 2108     1500   36 months   10.65        48.86       n/a       MORTGAGE
## 2109    25000   36 months   10.25       809.62       n/a       MORTGAGE
## 2110    12000   36 months    9.99       387.15       n/a       MORTGAGE
## 2111     7000   36 months   12.59       234.48       n/a       MORTGAGE
## 2112     5875   36 months   12.69       197.08       n/a       MORTGAGE
## 2113    14600   36 months   12.69       489.76       n/a       MORTGAGE
## 2114    10000   36 months   12.29       333.53       n/a       MORTGAGE
## 2115     5600   36 months   13.98       191.35       n/a       MORTGAGE
## 2116    16325   36 months   13.99       557.88       n/a       MORTGAGE
## 2117     4800   36 months   14.48       165.18       n/a       MORTGAGE
## 2118    10000   36 months   12.69       335.45       n/a       MORTGAGE
## 2119     5600   36 months   13.99       191.37       n/a       MORTGAGE
## 2120     2800   36 months   15.31        97.49       n/a       MORTGAGE
## 2121     4000   36 months   12.29       133.42       n/a       MORTGAGE
## 2122     3200   36 months   12.69       107.35       n/a       MORTGAGE
## 2123     8000   36 months   12.29       266.83       n/a       MORTGAGE
## 2124     8000   36 months   12.29       266.83       n/a       MORTGAGE
## 2125     2000   36 months   14.72        69.06       n/a       MORTGAGE
## 2126    12000   36 months   12.69       402.54       n/a       MORTGAGE
## 2127    19000   36 months   13.99       649.29       n/a       MORTGAGE
##      verification_status  issue_d           purpose zip_code addr_state
## 1           Not Verified Dec-2015   home_improvement    028xx         RI
## 2           Not Verified Apr-2012 debt_consolidation    532xx         WI
## 3           Not Verified Oct-2012     major_purchase    435xx         OH
## 4           Not Verified Nov-2015        credit_card    957xx         CA
```

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## 5          Not Verified Aug-2015         credit_card 410xx       KY
## 6          Not Verified Sep-2015         credit_card 287xx       NC
## 7          Not Verified Aug-2015         credit_card 083xx       NJ
## 8          Not Verified Sep-2015         credit_card 207xx       MD
## 9          Not Verified Oct-2015         credit_card 958xx       CA
## 10         Not Verified Sep-2015         credit_card 334xx       FL
## 11         Not Verified Nov-2015         credit_card 498xx       MI
## 12         Not Verified Aug-2015 debt_consolidation 494xx       MI
## 13         Not Verified Oct-2015 debt_consolidation 641xx       MO
## 14         Not Verified Jul-2015 debt_consolidation 080xx       NJ
## 15         Not Verified Oct-2015 debt_consolidation 347xx       FL
## 16         Not Verified Aug-2015   home_improvement 331xx       OH
## 17         Not Verified May-2010   home_improvement 972xx       OR
## 18         Not Verified Jun-2011             other 216xx       MD
## 19         Not Verified Dec-2015 debt_consolidation 762xx       TX
## 20         Not Verified Dec-2015 debt_consolidation 233xx       VA
## 21         Not Verified Dec-2015   home_improvement 910xx       CA
## 22             Verified Oct-2014               car 381xx       TN
## 23             Verified Feb-2013         credit_card 191xx       PA
## 24             Verified Aug-2012         credit_card 928xx       CA
## 25             Verified May-2015 debt_consolidation 917xx       CA
## 26             Verified Oct-2014 debt_consolidation 615xx       IL
## 27         Not Verified Jul-2015         credit_card 326xx       FL
## 28         Not Verified Jul-2015         credit_card 754xx       TX
## 29         Not Verified Aug-2015         credit_card 305xx       GA
## 30         Not Verified Aug-2015         credit_card 928xx       CA
## 31         Not Verified Jan-2015         credit_card 600xx       IL
## 32         Not Verified Aug-2015         credit_card 173xx       PA
## 33         Not Verified Aug-2015 debt_consolidation 710xx       LA
## 34         Not Verified Aug-2015 debt_consolidation 606xx       IL
## 35         Not Verified Oct-2015 debt_consolidation 731xx       OK
## 36         Not Verified Aug-2015 debt_consolidation 064xx       CT
## 37         Not Verified Aug-2015 debt_consolidation 207xx       MD
## 38         Not Verified Sep-2015   home_improvement 919xx       CA
## 39         Not Verified Aug-2015   home_improvement 227xx       VA
## 40         Not Verified Oct-2015   home_improvement 480xx       MI
## 41         Not Verified Dec-2015         credit_card 975xx       OR
## 42             Verified Nov-2015 debt_consolidation 995xx       AK
## 43             Verified Aug-2015 debt_consolidation 904xx       CA
## 44             Verified Mar-2015 debt_consolidation 303xx       GA
## 45             Verified Feb-2015 debt_consolidation 316xx       GA
## 46             Verified Aug-2014 debt_consolidation 923xx       CA
## 47             Verified Oct-2014 debt_consolidation 333xx       FL
## 48             Verified Oct-2015 debt_consolidation 314xx       GA
## 49             Verified Jul-2014 debt_consolidation 440xx       OH
## 50             Verified May-2014 debt_consolidation 956xx       CA
## 51             Verified Nov-2015 debt_consolidation 231xx       VA
## 52             Verified Jan-2014 debt_consolidation 765xx       TX
## 53             Verified Apr-2014 debt_consolidation 440xx       OH
## 54             Verified Oct-2014             other 928xx       CA
## 55             Verified Jun-2014             other 481xx       MI
## 56             Verified Oct-2012             other 100xx       NY
## 57             Verified Apr-2014         credit_card 921xx       CA
## 58             Verified Jul-2015   home_improvement 038xx       NH
```

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## 59          Not Verified Dec-2011 debt_consolidation       499xx      MI
## 60          Not Verified Mar-2012 debt_consolidation       908xx      CA
## 61          Not Verified Aug-2011      major_purchase       350xx      AL
## 62              Verified Jan-2013         credit_card       110xx      NY
## 63              Verified Feb-2011 debt_consolidation       116xx      NY
## 64              Verified Jun-2010               other       900xx      CA
## 65              Verified Sep-2011               other       852xx      AZ
## 66              Verified Dec-2015 debt_consolidation       852xx      AZ
## 67          Not Verified Aug-2015    home_improvement       416xx      KY
## 68       Source Verified Jul-2014 debt_consolidation       080xx      NJ
## 69              Verified Dec-2013         credit_card       334xx      FL
## 70              Verified Jul-2014 debt_consolidation       315xx      GA
## 71              Verified Nov-2013 debt_consolidation       313xx      GA
## 72              Verified Dec-2010               other       330xx      FL
## 73              Verified Oct-2014 debt_consolidation       284xx      NC
## 74              Verified Jul-2013      major_purchase       330xx      FL
## 75              Verified May-2013               other       921xx      CA
## 76              Verified Oct-2013      small_business       283xx      NC
## 77              Verified Nov-2015         credit_card       370xx      TN
## 78              Verified Jul-2015 debt_consolidation       330xx      FL
## 79              Verified Jan-2015         credit_card       357xx      AL
## 80              Verified Dec-2013         credit_card       926xx      CA
## 81          Not Verified Aug-2015    home_improvement       789xx      TX
## 82              Verified Dec-2015 debt_consolidation       319xx      GA
## 83       Source Verified Jun-2015 debt_consolidation       605xx      IL
## 84              Verified Jul-2015         credit_card       441xx      OH
## 85              Verified Jun-2014         credit_card       980xx      WA
## 86              Verified Dec-2013         credit_card       891xx      NV
## 87              Verified Aug-2014         credit_card       967xx      HI
## 88              Verified Nov-2013         credit_card       481xx      MI
## 89              Verified Apr-2015 debt_consolidation       392xx      MS
## 90              Verified Oct-2014 debt_consolidation       864xx      AZ
## 91              Verified Oct-2015 debt_consolidation       958xx      CA
## 92              Verified Jan-2014 debt_consolidation       070xx      NJ
## 93              Verified Sep-2014 debt_consolidation       342xx      FL
## 94              Verified Sep-2015 debt_consolidation       890xx      NV
## 95              Verified Jan-2014 debt_consolidation       952xx      CA
## 96              Verified Nov-2013 debt_consolidation       980xx      WA
## 97              Verified Aug-2015 debt_consolidation       727xx      AR
## 98              Verified May-2014 debt_consolidation       913xx      CA
## 99              Verified Jun-2015      major_purchase       853xx      AZ
## 100             Verified Mar-2014      major_purchase       234xx      VA
## 101             Verified Sep-2014               other       952xx      CA
## 102             Verified Jun-2014 debt_consolidation       121xx      NY
## 103             Verified Jun-2013         credit_card       283xx      NC
## 104      Source Verified May-2015         credit_card       160xx      PA
## 105             Verified Jan-2014 debt_consolidation       958xx      CA
## 106             Verified Jun-2013 debt_consolidation       105xx      NY
## 107             Verified May-2015 debt_consolidation       303xx      GA
## 108             Verified Jul-2014 debt_consolidation       902xx      CA
## 109      Source Verified May-2014         credit_card       342xx      FL
## 110         Not Verified Aug-2015         credit_card       114xx      NY
## 111             Verified Jul-2014 debt_consolidation       467xx      IN
## 112      Source Verified Feb-2014    home_improvement       038xx      NH
```

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## 113              Verified Oct-2015         credit_card    169xx       PA
## 114              Verified Jan-2015 debt_consolidation    021xx       MA
## 115       Source Verified Jan-2013 debt_consolidation    337xx       FL
## 116          Not Verified Jun-2015 debt_consolidation    452xx       OH
## 117              Verified Apr-2015 debt_consolidation    980xx       WA
## 118              Verified Aug-2014 debt_consolidation    959xx       CA
## 119       Source Verified Apr-2014 debt_consolidation    900xx       CA
## 120          Not Verified Nov-2015         credit_card    531xx       WI
## 121              Verified Dec-2015 debt_consolidation    330xx       FL
## 122       Source Verified Jul-2013    home_improvement    063xx       CT
## 123       Source Verified Jun-2014         credit_card    981xx       WA
## 124              Verified Feb-2015         credit_card    112xx       NY
## 125              Verified Jul-2015 debt_consolidation    104xx       NY
## 126              Verified Jun-2014 debt_consolidation    971xx       OR
## 127              Verified Nov-2015 debt_consolidation    627xx       IL
## 128              Verified Apr-2015 debt_consolidation    924xx       CA
## 129              Verified Apr-2015 debt_consolidation    303xx       GA
## 130              Verified Aug-2015            medical    554xx       MN
## 131              Verified May-2014             moving    314xx       GA
## 132              Verified Dec-2013             moving    925xx       CA
## 133              Verified May-2012         credit_card    711xx       LA
## 134              Verified Jan-2014 debt_consolidation    327xx       FL
## 135              Verified Feb-2015 debt_consolidation    958xx       CA
## 136              Verified Feb-2014 debt_consolidation    117xx       NY
## 137              Verified May-2014 debt_consolidation    605xx       IL
## 138          Not Verified Nov-2015 debt_consolidation    140xx       NY
## 139          Not Verified Dec-2015 debt_consolidation    441xx       OH
## 140          Not Verified Dec-2015 debt_consolidation    775xx       TX
## 141          Not Verified Dec-2015 debt_consolidation    541xx       WI
## 142          Not Verified Dec-2015         credit_card    782xx       TX
## 143          Not Verified Dec-2015         credit_card    060xx       CT
## 144          Not Verified Dec-2015 debt_consolidation    285xx       NC
## 145          Not Verified Dec-2015         credit_card    165xx       PA
## 146          Not Verified Nov-2010                car    644xx       MO
## 147          Not Verified May-2011                car    806xx       CO
## 148          Not Verified May-2011                car    421xx       KY
## 149          Not Verified Dec-2012         credit_card    809xx       CO
## 150          Not Verified Nov-2011 debt_consolidation    983xx       WA
## 151          Not Verified Mar-2010 debt_consolidation    752xx       TX
## 152          Not Verified Jun-2012 debt_consolidation    704xx       LA
## 153          Not Verified May-2011 debt_consolidation    431xx       OH
## 154          Not Verified Dec-2010 debt_consolidation    499xx       MI
## 155          Not Verified Feb-2011    home_improvement    440xx       OH
## 156          Not Verified Oct-2010    home_improvement    532xx       WI
## 157          Not Verified May-2011    home_improvement    315xx       GA
## 158          Not Verified May-2011     major_purchase    923xx       CA
## 159          Not Verified Sep-2011     major_purchase    549xx       WI
## 160          Not Verified Dec-2010     major_purchase    104xx       NY
## 161          Not Verified Feb-2011     major_purchase    138xx       NY
## 162          Not Verified Mar-2011              other    297xx       SC
## 163          Not Verified Jul-2011              other    273xx       NC
## 164          Not Verified Aug-2015         credit_card    451xx       OH
## 165          Not Verified Mar-2012                car    349xx       FL
## 166          Not Verified Aug-2012 debt_consolidation    791xx       TX
```

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## 167           Not Verified Sep-2013 debt_consolidation   824xx      WY
## 168           Not Verified Dec-2011   home_improvement   805xx      CO
## 169           Not Verified Dec-2015        credit_card   890xx      NV
## 170               Verified Dec-2013 debt_consolidation   913xx      CA
## 171               Verified Jul-2010 debt_consolidation   991xx      WA
## 172               Verified Mar-2015        credit_card   923xx      CA
## 173               Verified Nov-2013        credit_card   152xx      PA
## 174               Verified Jun-2012 debt_consolidation   240xx      VA
## 175           Not Verified Sep-2015        credit_card   853xx      AZ
## 176           Not Verified Aug-2015        credit_card   433xx      OH
## 177           Not Verified Sep-2015        credit_card   276xx      NC
## 178           Not Verified Oct-2015        credit_card   717xx      AR
## 179           Not Verified Nov-2015        credit_card   430xx      OH
## 180           Not Verified Aug-2015 debt_consolidation   275xx      NC
## 181           Not Verified Aug-2015 debt_consolidation   890xx      NV
## 182           Not Verified Aug-2015 debt_consolidation   961xx      CA
## 183           Not Verified Jul-2015 debt_consolidation   330xx      FL
## 184           Not Verified Nov-2015 debt_consolidation   611xx      IL
## 185           Not Verified Jul-2015   home_improvement   981xx      WA
## 186           Not Verified Aug-2015            medical   105xx      NY
## 187           Not Verified Aug-2015        credit_card   308xx      GA
## 188           Not Verified Sep-2015        credit_card   586xx      ND
## 189           Not Verified Nov-2015        credit_card   403xx      KY
## 190           Not Verified Jul-2015        credit_card   190xx      PA
## 191           Not Verified Oct-2014        credit_card   490xx      MI
## 192           Not Verified Jul-2015        credit_card   440xx      OH
## 193           Not Verified Sep-2015        credit_card   208xx      MD
## 194           Not Verified Sep-2015        credit_card   232xx      VA
## 195           Not Verified Nov-2015        credit_card   923xx      CA
## 196           Not Verified Sep-2015        credit_card   890xx      NV
## 197           Not Verified Oct-2015        credit_card   754xx      TX
## 198           Not Verified Nov-2015 debt_consolidation   802xx      CO
## 199           Not Verified Jul-2015 debt_consolidation   473xx      IN
## 200           Not Verified Jul-2015 debt_consolidation   982xx      WA
## 201           Not Verified Dec-2015 debt_consolidation   321xx      FL
## 202           Not Verified Jul-2015 debt_consolidation   447xx      OH
## 203           Not Verified Aug-2015 debt_consolidation   295xx      SC
## 204           Not Verified Aug-2015 debt_consolidation   853xx      AZ
## 205           Not Verified Nov-2015 debt_consolidation   453xx      OH
## 206           Not Verified Aug-2014 debt_consolidation   300xx      GA
## 207           Not Verified Nov-2014 debt_consolidation   193xx      PA
## 208           Not Verified Oct-2015   home_improvement   166xx      PA
## 209           Not Verified Oct-2015   home_improvement   958xx      CA
## 210           Not Verified Oct-2015     major_purchase   925xx      CA
## 211           Not Verified Aug-2015              other   082xx      NJ
## 212               Verified Nov-2013 debt_consolidation   211xx      MD
## 213        Source Verified Oct-2015              other   207xx      MD
## 214               Verified Mar-2014 debt_consolidation   177xx      PA
## 215               Verified Feb-2015              other   914xx      CA
## 216               Verified Feb-2015 debt_consolidation   454xx      OH
## 217        Source Verified Mar-2014 debt_consolidation   378xx      TN
## 218               Verified Jun-2015 debt_consolidation   234xx      VA
## 219           Not Verified Aug-2015   home_improvement   210xx      MD
## 220               Verified Sep-2015 debt_consolidation   104xx      NY
```

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## 221          Verified Aug-2013          credit_card 618xx       IL
## 222   Source Verified Jul-2013          credit_card 917xx       CA
## 223          Verified Feb-2015          credit_card 535xx       WI
## 224   Source Verified Mar-2012 debt_consolidation 937xx       CA
## 225          Verified Nov-2013          credit_card 773xx       TX
## 226          Verified Jun-2013                other 606xx       IL
## 227          Verified Aug-2015 debt_consolidation 891xx       NV
## 228          Verified May-2015 debt_consolidation 406xx       KY
## 229   Source Verified Jul-2013 debt_consolidation 777xx       TX
## 230          Verified Mar-2015 debt_consolidation 065xx       CT
## 231      Not Verified Oct-2011                  car 953xx       CA
## 232      Not Verified Dec-2010   home_improvement 880xx       NM
## 233      Not Verified Jun-2011                other 618xx       IL
## 234      Not Verified Oct-2015          credit_card 800xx       CO
## 235      Not Verified Oct-2015          credit_card 809xx       CO
## 236      Not Verified Aug-2015          credit_card 633xx       MO
## 237      Not Verified Jul-2015          credit_card 447xx       OH
## 238      Not Verified Dec-2015          credit_card 239xx       VA
## 239      Not Verified Aug-2015          credit_card 852xx       AZ
## 240      Not Verified Sep-2015 debt_consolidation 335xx       FL
## 241      Not Verified Sep-2015 debt_consolidation 088xx       NJ
## 242      Not Verified Dec-2015 debt_consolidation 760xx       TX
## 243      Not Verified Dec-2015 debt_consolidation 847xx       UT
## 244      Not Verified Dec-2015 debt_consolidation 600xx       IL
## 245      Not Verified Nov-2015 debt_consolidation 466xx       IN
## 246      Not Verified Nov-2015 debt_consolidation 435xx       OH
## 247      Not Verified Aug-2015 debt_consolidation 890xx       NV
## 248      Not Verified Aug-2015 debt_consolidation 897xx       NV
## 249      Not Verified Aug-2015     major_purchase 416xx       KY
## 250      Not Verified Sep-2015                other 606xx       IL
## 251      Not Verified Aug-2015     small_business 727xx       AR
## 252      Not Verified Jul-2010 debt_consolidation 328xx       FL
## 253      Not Verified Dec-2015          credit_card 717xx       AR
## 254      Not Verified Dec-2015          credit_card 750xx       TX
## 255      Not Verified Apr-2011                  car 087xx       NJ
## 256      Not Verified Oct-2010          credit_card 531xx       WI
## 257      Not Verified Mar-2012 debt_consolidation 941xx       CA
## 258      Not Verified Jun-2012 debt_consolidation 225xx       VA
## 259      Not Verified Jul-2011   home_improvement 628xx       IL
## 260      Not Verified Jul-2012   home_improvement 917xx       CA
## 261      Not Verified May-2011   home_improvement 959xx       CA
## 262      Not Verified Jul-2011   home_improvement 240xx       VA
## 263      Not Verified Jun-2012   home_improvement 925xx       CA
## 264      Not Verified Nov-2011     major_purchase 740xx       OK
## 265      Not Verified Jul-2011                other 368xx       AL
## 266      Not Verified Sep-2011                other 103xx       NY
## 267      Not Verified Jul-2011                other 494xx       MI
## 268      Not Verified Jul-2011             vacation 113xx       NY
## 269      Not Verified Dec-2010 debt_consolidation 953xx       CA
## 270      Not Verified Jun-2011     major_purchase 325xx       FL
## 271      Not Verified Aug-2015                  car 132xx       NY
## 272      Not Verified Jul-2015          credit_card 338xx       FL
## 273      Not Verified Jul-2015          credit_card 604xx       IL
## 274      Not Verified Oct-2015          credit_card 115xx       NY
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## 275          Not Verified Nov-2015          credit_card 292xx          SC
## 276          Not Verified Sep-2015          credit_card 925xx          CA
## 277          Not Verified Nov-2015          credit_card 221xx          VA
## 278          Not Verified Sep-2015          credit_card 770xx          TX
## 279          Not Verified Nov-2015          credit_card 982xx          WA
## 280          Not Verified Sep-2015          credit_card 951xx          CA
## 281          Not Verified Sep-2015          credit_card 216xx          MD
## 282          Not Verified Sep-2015 debt_consolidation 826xx          WY
## 283          Not Verified Aug-2015 debt_consolidation 286xx          NC
## 284          Not Verified Oct-2015 debt_consolidation 730xx          OK
## 285          Not Verified Oct-2015 debt_consolidation 335xx          FL
## 286          Not Verified Aug-2015 debt_consolidation 952xx          CA
## 287          Not Verified Sep-2015 debt_consolidation 606xx          IL
## 288          Not Verified Aug-2015 debt_consolidation 927xx          CA
## 289          Not Verified Sep-2015 debt_consolidation 922xx          CA
## 290          Not Verified Feb-2015 debt_consolidation 295xx          SC
## 291          Not Verified Sep-2015     home_improvement 236xx          VA
## 292          Not Verified Nov-2015     home_improvement 604xx          IL
## 293          Not Verified Dec-2015     home_improvement 272xx          NC
## 294          Not Verified Sep-2015       major_purchase 211xx          MD
## 295          Not Verified Oct-2015       major_purchase 023xx          MA
## 296          Not Verified Sep-2015                other 441xx          OH
## 297          Not Verified Aug-2015                other 330xx          FL
## 298          Not Verified Dec-2015          credit_card 329xx          FL
## 299          Not Verified Dec-2015          credit_card 447xx          OH
## 300          Not Verified Aug-2015 debt_consolidation 630xx          MO
## 301          Not Verified Oct-2015 debt_consolidation 283xx          NC
## 302          Not Verified Aug-2015 debt_consolidation 360xx          AL
## 303          Not Verified Nov-2015 debt_consolidation 761xx          TX
## 304          Not Verified Aug-2015 debt_consolidation 804xx          CO
## 305          Not Verified Nov-2015 debt_consolidation 952xx          CA
## 306          Not Verified Oct-2015     home_improvement 781xx          TX
## 307          Not Verified Aug-2015     home_improvement 172xx          PA
## 308          Not Verified Oct-2015       major_purchase 382xx          TN
## 309          Not Verified Nov-2015       major_purchase 121xx          NY
## 310          Not Verified Sep-2015              medical 360xx          AL
## 311          Not Verified Feb-2010                other 810xx          CO
## 312          Not Verified Sep-2015          credit_card 368xx          AL
## 313          Not Verified Oct-2015          credit_card 917xx          CA
## 314          Not Verified Dec-2015          credit_card 230xx          VA
## 315          Not Verified Aug-2015          credit_card 597xx          MT
## 316          Not Verified Oct-2015          credit_card 346xx          FL
## 317          Not Verified Oct-2015          credit_card 628xx          IL
## 318          Not Verified Aug-2015          credit_card 799xx          TX
## 319          Not Verified Sep-2015          credit_card 236xx          VA
## 320          Not Verified Sep-2015 debt_consolidation 280xx          NC
## 321          Not Verified Dec-2015 debt_consolidation 337xx          FL
## 322          Not Verified Aug-2015 debt_consolidation 751xx          TX
## 323          Not Verified Aug-2015 debt_consolidation 128xx          NY
## 324          Not Verified Dec-2015 debt_consolidation 955xx          FL
## 325          Not Verified Oct-2014 debt_consolidation 800xx          CO
## 326          Not Verified Aug-2015 debt_consolidation 750xx          TX
## 327          Not Verified Oct-2015       major_purchase 324xx          FL
## 328          Not Verified Aug-2015          credit_card 327xx          FL
```

```
## 329           Not Verified Nov-2015           credit_card 310xx           GA
## 330           Not Verified Oct-2015           credit_card 625xx           IL
## 331           Not Verified Nov-2015           credit_card 473xx           IN
## 332           Not Verified Jul-2015           credit_card 273xx           NC
## 333           Not Verified Aug-2015           credit_card 244xx           VA
## 334           Not Verified Oct-2015           credit_card 480xx           MI
## 335           Not Verified Oct-2015           credit_card 442xx           OH
## 336           Not Verified Jul-2015           credit_card 446xx           OH
## 337           Not Verified Nov-2015           credit_card 714xx           LA
## 338           Not Verified Oct-2015           credit_card 346xx           FL
## 339           Not Verified Aug-2015           credit_card 600xx           IL
## 340           Not Verified Aug-2015           credit_card 786xx           TX
## 341           Not Verified Jul-2015           credit_card 786xx           TX
## 342           Not Verified Oct-2015           credit_card 996xx           AK
## 343           Not Verified Nov-2015 debt_consolidation 013xx           MA
## 344           Not Verified Jul-2015 debt_consolidation 488xx           MI
## 345           Not Verified Nov-2015 debt_consolidation 480xx           MI
## 346           Not Verified Oct-2015 debt_consolidation 283xx           NC
## 347           Not Verified Nov-2015 debt_consolidation 080xx           NJ
## 348           Not Verified Oct-2015 debt_consolidation 433xx           OH
## 349           Not Verified Sep-2015 debt_consolidation 233xx           VA
## 350           Not Verified Dec-2015 debt_consolidation 864xx           AZ
## 351           Not Verified Jul-2015 debt_consolidation 021xx           MA
## 352           Not Verified Oct-2015 debt_consolidation 150xx           PA
## 353           Not Verified Sep-2015 debt_consolidation 945xx           CA
## 354           Not Verified Aug-2015 debt_consolidation 330xx           FL
## 355           Not Verified Jul-2015 debt_consolidation 360xx           AL
## 356           Not Verified Oct-2015 debt_consolidation 330xx           FL
## 357           Not Verified Dec-2015 debt_consolidation 335xx           FL
## 358           Not Verified Nov-2015 debt_consolidation 782xx           TX
## 359           Not Verified Oct-2015 debt_consolidation 337xx           FL
## 360           Not Verified Jul-2015   home_improvement 452xx           OH
## 361           Not Verified Nov-2015   home_improvement 296xx           SC
## 362           Not Verified Aug-2015   home_improvement 100xx           NY
## 363           Not Verified Dec-2015   home_improvement 296xx           SC
## 364           Not Verified Jul-2015     major_purchase 323xx           FL
## 365           Not Verified Feb-2013     major_purchase 155xx           PA
## 366           Not Verified Aug-2015 debt_consolidation 953xx           CA
## 367           Not Verified Dec-2015 debt_consolidation 940xx           CA
## 368           Not Verified Dec-2015           credit_card 182xx           PA
## 369           Not Verified Dec-2015 debt_consolidation 416xx           KY
## 370           Not Verified Feb-2011                 car 857xx           AZ
## 371           Not Verified Sep-2011           credit_card 993xx           WA
## 372           Not Verified Aug-2011           credit_card 038xx           NH
## 373           Not Verified Aug-2015           credit_card 986xx           WA
## 374           Not Verified Jun-2010           credit_card 852xx           AZ
## 375           Not Verified Apr-2012 debt_consolidation 932xx           CA
## 376           Not Verified May-2012   home_improvement 019xx           MA
## 377           Not Verified Oct-2014   home_improvement 917xx           CA
## 378           Not Verified Jun-2010     major_purchase 085xx           NJ
## 379           Not Verified Feb-2012             medical 130xx           NY
## 380           Not Verified Apr-2011               other 668xx           KS
## 381           Not Verified Oct-2011     small_business 921xx           CA
## 382           Not Verified Dec-2015 debt_consolidation 454xx           OH
```

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## 383         Not Verified Dec-2015         credit_card   989xx        WA
## 384         Not Verified Dec-2015 debt_consolidation   307xx        GA
## 385         Not Verified Dec-2015             medical   945xx        CA
## 386         Not Verified Jul-2012         credit_card   329xx        FL
## 387         Not Verified Dec-2015 debt_consolidation   900xx        CA
## 388         Not Verified Oct-2012         credit_card   291xx        SC
## 389         Not Verified Oct-2010 debt_consolidation   347xx        FL
## 390         Not Verified Nov-2010 debt_consolidation   782xx        TX
## 391         Not Verified Mar-2010 debt_consolidation   959xx        CA
## 392         Not Verified Nov-2010    renewable_energy   144xx        NY
## 393         Not Verified Dec-2015               other   611xx        IL
## 394         Not Verified Dec-2015 debt_consolidation   333xx        FL
## 395         Not Verified Dec-2015         credit_card   967xx        HI
## 396         Not Verified Nov-2015         credit_card   970xx        OR
## 397         Not Verified Aug-2015         credit_card   295xx        SC
## 398         Not Verified Dec-2015         credit_card   532xx        WI
## 399         Not Verified Jul-2015         credit_card   857xx        AZ
## 400         Not Verified Oct-2015         credit_card   934xx        CA
## 401         Not Verified Nov-2015         credit_card   347xx        FL
## 402         Not Verified Dec-2015         credit_card   560xx        MN
## 403         Not Verified Oct-2015         credit_card   437xx        OH
## 404         Not Verified Oct-2015         credit_card   385xx        TN
## 405         Not Verified Nov-2015         credit_card   975xx        OR
## 406         Not Verified Nov-2015         credit_card   334xx        FL
## 407         Not Verified Aug-2015         credit_card   983xx        WA
## 408         Not Verified Jul-2015         credit_card   655xx        MO
## 409         Not Verified Nov-2015         credit_card   955xx        CA
## 410         Not Verified Sep-2015         credit_card   471xx        IN
## 411         Not Verified Oct-2015         credit_card   762xx        TX
## 412         Not Verified Nov-2015         credit_card   064xx        CT
## 413         Not Verified Nov-2015         credit_card   551xx        MN
## 414         Not Verified Oct-2015         credit_card   685xx        NE
## 415         Not Verified Aug-2015         credit_card   437xx        OH
## 416         Not Verified Jul-2015         credit_card   441xx        OH
## 417         Not Verified Oct-2015         credit_card   562xx        MN
## 418         Not Verified Oct-2015         credit_card   378xx        TN
## 419         Not Verified Aug-2015         credit_card   329xx        FL
## 420         Not Verified Oct-2014         credit_card   021xx        MA
## 421         Not Verified Oct-2015         credit_card   922xx        CA
## 422         Not Verified Nov-2015         credit_card   423xx        KY
## 423         Not Verified Jul-2015 debt_consolidation   349xx        FL
## 424         Not Verified Oct-2015 debt_consolidation   611xx        IL
## 425         Not Verified Nov-2015 debt_consolidation   712xx        LA
## 426         Not Verified Jul-2015 debt_consolidation   744xx        OK
## 427         Not Verified Oct-2015 debt_consolidation   756xx        TX
## 428         Not Verified Sep-2015 debt_consolidation   894xx        NV
## 429         Not Verified Nov-2015 debt_consolidation   383xx        TN
## 430         Not Verified Sep-2015 debt_consolidation   945xx        CA
## 431         Not Verified Aug-2015 debt_consolidation   322xx        FL
## 432         Not Verified Aug-2015 debt_consolidation   974xx        OR
## 433         Not Verified Aug-2015 debt_consolidation   970xx        OR
## 434         Not Verified Oct-2015 debt_consolidation   225xx        VA
## 435         Not Verified Aug-2015 debt_consolidation   701xx        LA
## 436         Not Verified Nov-2015 debt_consolidation   120xx        NY
```

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## 437          Not Verified Oct-2015 debt_consolidation      857xx          AZ
## 438          Not Verified Aug-2015 debt_consolidation      617xx          IL
## 439          Not Verified Jul-2015 debt_consolidation      913xx          CA
## 440          Not Verified Nov-2015 debt_consolidation      471xx          IN
## 441          Not Verified Sep-2015 debt_consolidation      481xx          MI
## 442          Not Verified Aug-2015 debt_consolidation      146xx          NY
## 443          Not Verified Sep-2015 debt_consolidation      384xx          TN
## 444          Not Verified Oct-2015 debt_consolidation      295xx          SC
## 445          Not Verified Oct-2015 debt_consolidation      342xx          FL
## 446          Not Verified Jul-2015   home_improvement      802xx          CO
## 447          Not Verified Dec-2015   home_improvement      217xx          MD
## 448          Not Verified Nov-2015   home_improvement      190xx          PA
## 449          Not Verified Oct-2015   home_improvement      023xx          MA
## 450          Not Verified Oct-2015     major_purchase      322xx          FL
## 451          Not Verified Dec-2015     major_purchase      315xx          GA
## 452          Not Verified Jul-2015              other      754xx          TX
## 453          Not Verified Aug-2015            medical      354xx          AL
## 454          Not Verified Dec-2015 debt_consolidation      770xx          TX
## 455          Not Verified Dec-2015 debt_consolidation      919xx          CA
## 456          Not Verified Dec-2015   home_improvement      233xx          VA
## 457          Not Verified Sep-2011        credit_card      864xx          AZ
## 458          Not Verified Sep-2011        credit_card      240xx          VA
## 459          Not Verified Aug-2012        credit_card      960xx          CA
## 460          Not Verified Oct-2010        credit_card      960xx          CA
## 461          Not Verified Oct-2011 debt_consolidation      954xx          CA
## 462          Not Verified Oct-2010 debt_consolidation      107xx          NY
## 463          Not Verified Oct-2011 debt_consolidation      791xx          TX
## 464          Not Verified Jan-2011 debt_consolidation      949xx          CA
## 465          Not Verified Mar-2011 debt_consolidation      331xx          FL
## 466          Not Verified Jul-2012 debt_consolidation      082xx          NJ
## 467          Not Verified Feb-2010 debt_consolidation      119xx          NY
## 468          Not Verified Aug-2012   home_improvement      011xx          MA
## 469          Not Verified Apr-2011     major_purchase      301xx          GA
## 470          Not Verified Jul-2011     major_purchase      286xx          NC
## 471          Not Verified Jan-2011     major_purchase      104xx          NY
## 472          Not Verified Jul-2010              other      170xx          PA
## 473          Not Verified Apr-2011              other      852xx          AZ
## 474          Not Verified Jul-2011            medical      171xx          PA
## 475          Not Verified Oct-2015        credit_card      497xx          MI
## 476          Not Verified Jul-2015        credit_card      325xx          FL
## 477          Not Verified Oct-2015        credit_card      971xx          OR
## 478          Not Verified Dec-2015 debt_consolidation      117xx          NY
## 479          Not Verified Aug-2015 debt_consolidation      230xx          VA
## 480          Not Verified Aug-2015 debt_consolidation      760xx          TX
## 481          Not Verified Dec-2015   home_improvement      890xx          NV
## 482          Not Verified Jul-2010              other      546xx          WI
## 483          Not Verified Apr-2012        credit_card      198xx          DE
## 484          Not Verified Sep-2015 debt_consolidation      224xx          VA
## 485          Not Verified Jan-2012 debt_consolidation      496xx          MI
## 486          Not Verified Sep-2015 debt_consolidation      712xx          LA
## 487          Not Verified May-2011   home_improvement      302xx          GA
## 488          Not Verified Apr-2015              other      910xx          CA
## 489          Not Verified Feb-2010   home_improvement      959xx          CA
## 490          Not Verified Oct-2015                car      794xx          TX
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## 491          Not Verified Jul-2015          credit_card      361xx      AL
## 492          Not Verified Jul-2015          credit_card      337xx      FL
## 493          Not Verified Nov-2015          credit_card      300xx      GA
## 494          Not Verified Aug-2015          credit_card      128xx      NY
## 495          Not Verified Nov-2015          credit_card      857xx      AZ
## 496          Not Verified Oct-2015          credit_card      322xx      FL
## 497          Not Verified Aug-2015          credit_card      122xx      NY
## 498          Not Verified Aug-2015          credit_card      933xx      CA
## 499          Not Verified Nov-2015          credit_card      857xx      AZ
## 500          Not Verified Oct-2015          credit_card      063xx      CT
## 501          Not Verified Dec-2015          credit_card      775xx      TX
## 502          Not Verified Aug-2014          credit_card      751xx      TX
## 503          Not Verified Nov-2015          credit_card      322xx      FL
## 504          Not Verified Oct-2015          credit_card      114xx      NY
## 505          Not Verified Aug-2015          credit_card      344xx      FL
## 506          Not Verified Jul-2015          credit_card      322xx      FL
## 507          Not Verified Aug-2015          credit_card      236xx      VA
## 508          Not Verified Jul-2015          credit_card      465xx      IN
## 509          Not Verified Jun-2013          credit_card      492xx      MI
## 510          Not Verified Aug-2015 debt_consolidation      168xx      PA
## 511          Not Verified Jul-2015 debt_consolidation      283xx      NC
## 512          Not Verified Aug-2015 debt_consolidation      301xx      GA
## 513          Not Verified Oct-2015 debt_consolidation      310xx      GA
## 514          Not Verified Oct-2015 debt_consolidation      280xx      NC
## 515          Not Verified Aug-2015 debt_consolidation      751xx      TX
## 516          Not Verified Mar-2015 debt_consolidation      214xx      MD
## 517          Not Verified Jul-2015 debt_consolidation      937xx      CA
## 518          Not Verified Oct-2015 debt_consolidation      620xx      IL
## 519          Not Verified Aug-2015 debt_consolidation      124xx      NY
## 520          Not Verified Nov-2015 debt_consolidation      630xx      MO
## 521          Not Verified Nov-2015 debt_consolidation      451xx      OH
## 522          Not Verified Aug-2015 debt_consolidation      256xx      WV
## 523          Not Verified Oct-2015 debt_consolidation      486xx      MI
## 524          Not Verified Oct-2015 debt_consolidation      346xx      FL
## 525          Not Verified Oct-2015 debt_consolidation      328xx      FL
## 526          Not Verified Oct-2015 debt_consolidation      750xx      TX
## 527          Not Verified Mar-2015 debt_consolidation      080xx      NJ
## 528          Not Verified Jul-2015   home_improvement      983xx      WA
## 529          Not Verified Jul-2015   home_improvement      221xx      VA
## 530          Not Verified Apr-2015   home_improvement      333xx      FL
## 531          Not Verified Aug-2015            medical      560xx      MN
## 532          Not Verified Jul-2015              other      430xx      OH
## 533          Not Verified Mar-2013          credit_card      346xx      FL
## 534          Not Verified Dec-2015          credit_card      403xx      KY
## 535          Not Verified Dec-2015          credit_card      615xx      IL
## 536          Not Verified May-2010 debt_consolidation      912xx      CA
## 537          Not Verified Oct-2015          credit_card      735xx      OK
## 538          Not Verified Aug-2015          credit_card      721xx      AR
## 539          Not Verified Oct-2015          credit_card      251xx      WV
## 540          Not Verified Sep-2015          credit_card      737xx      OK
## 541          Not Verified Nov-2015          credit_card      432xx      OH
## 542          Not Verified Nov-2015 debt_consolidation      480xx      MI
## 543          Not Verified Oct-2015 debt_consolidation      445xx      OH
## 544          Not Verified Oct-2015 debt_consolidation      557xx      MN
```

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## 545              Not Verified Oct-2015 debt_consolidation        806xx           CO
## 546              Not Verified Aug-2015 debt_consolidation        112xx           NY
## 547              Not Verified May-2014 debt_consolidation        891xx           NV
## 548              Not Verified Nov-2015 debt_consolidation        433xx           OH
## 549              Not Verified Aug-2015 debt_consolidation        337xx           FL
## 550              Not Verified Aug-2015 debt_consolidation        338xx           FL
## 551              Not Verified Aug-2015 debt_consolidation        187xx           PA
## 552              Not Verified Aug-2015   home_improvement        857xx           AZ
## 553              Not Verified May-2015     major_purchase        939xx           CA
## 554              Not Verified Nov-2015              other        180xx           PA
## 555              Not Verified Jul-2014        credit_card        762xx           TX
## 556              Not Verified Aug-2015 debt_consolidation        863xx           AZ
## 557              Not Verified Dec-2015 debt_consolidation        287xx           NC
## 558              Not Verified Dec-2015        credit_card        182xx           PA
## 559              Not Verified Feb-2015        credit_card        951xx           CA
## 560              Not Verified Dec-2015        credit_card        330xx           FL
## 561              Not Verified Aug-2015        credit_card        956xx           CA
## 562              Not Verified Dec-2015        credit_card        548xx           WI
## 563              Not Verified Oct-2015 debt_consolidation        049xx           ME
## 564              Not Verified Sep-2015 debt_consolidation        077xx           NJ
## 565              Not Verified Jul-2015 debt_consolidation        117xx           NY
## 566              Not Verified Jul-2015 debt_consolidation        937xx           CA
## 567              Not Verified Aug-2015 debt_consolidation        206xx           MD
## 568              Not Verified Sep-2015 debt_consolidation        361xx           AL
## 569              Not Verified Nov-2015 debt_consolidation        233xx           VA
## 570              Not Verified Aug-2015   home_improvement        130xx           NY
## 571              Not Verified Jan-2012                car        982xx           WA
## 572              Not Verified Jul-2012                car        342xx           FL
## 573              Not Verified Aug-2010                car        291xx           SC
## 574              Not Verified May-2012        credit_card        150xx           PA
## 575              Not Verified Dec-2010 debt_consolidation        123xx           NY
## 576              Not Verified May-2012 debt_consolidation        941xx           CA
## 577              Not Verified Jul-2010 debt_consolidation        227xx           VA
## 578              Not Verified Nov-2014 debt_consolidation        826xx           WY
## 579              Not Verified Sep-2012   home_improvement        038xx           NH
## 580              Not Verified Jul-2012   home_improvement        287xx           NC
## 581              Not Verified Sep-2011              house        325xx           FL
## 582              Not Verified Aug-2011     major_purchase        087xx           NJ
## 583              Not Verified May-2010            medical        557xx           MN
## 584              Not Verified Apr-2010              other        250xx           WV
## 585              Not Verified Jun-2011              other        857xx           AZ
## 586              Not Verified Dec-2015        credit_card        117xx           NY
## 587              Not Verified Nov-2014   home_improvement        217xx           MD
## 588              Not Verified Dec-2010     major_purchase        655xx           MO
## 589              Not Verified Feb-2010              other        103xx           NY
## 590              Not Verified Aug-2015        credit_card        481xx           MI
## 591              Not Verified Aug-2015        credit_card        491xx           MI
## 592              Not Verified Sep-2015        credit_card        330xx           FL
## 593              Not Verified Oct-2015        credit_card        351xx           AL
## 594              Not Verified Oct-2015        credit_card        142xx           NY
## 595              Not Verified Jul-2015 debt_consolidation        716xx           AR
## 596              Not Verified Aug-2015 debt_consolidation        735xx           OK
## 597              Not Verified Oct-2015 debt_consolidation        916xx           CA
## 598              Not Verified Oct-2015 debt_consolidation        199xx           DE
```

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## 599            Not Verified Aug-2015 debt_consolidation    329xx         FL
## 600            Not Verified Aug-2015 debt_consolidation    960xx         CA
## 601            Not Verified Dec-2015 debt_consolidation    378xx         TN
## 602            Not Verified Sep-2015 debt_consolidation    903xx         CA
## 603            Not Verified Oct-2015 debt_consolidation    492xx         MI
## 604            Not Verified Sep-2015    home_improvement    768xx         TX
## 605            Not Verified Oct-2015    home_improvement    481xx         MI
## 606            Not Verified Nov-2015    home_improvement    109xx         NY
## 607            Not Verified Feb-2015         credit_card    541xx         WI
## 608            Not Verified Feb-2015         credit_card    604xx         IL
## 609            Not Verified May-2013         credit_card    719xx         AR
## 610            Not Verified Oct-2015 debt_consolidation    305xx         GA
## 611            Not Verified Aug-2015 debt_consolidation    710xx         LA
## 612            Not Verified Oct-2015    home_improvement    934xx         CA
## 613            Not Verified Oct-2015    home_improvement    329xx         FL
## 614            Not Verified Oct-2015    home_improvement    925xx         CA
## 615            Not Verified Aug-2015    home_improvement    211xx         MD
## 616            Not Verified Nov-2015    home_improvement    890xx         NV
## 617            Not Verified Mar-2012 debt_consolidation    346xx         FL
## 618            Not Verified May-2010               other    775xx         TX
## 619            Not Verified Jul-2010               other    146xx         NY
## 620            Not Verified Oct-2015                 car    336xx         FL
## 621            Not Verified Nov-2015 debt_consolidation    080xx         NJ
## 622            Not Verified Jun-2011 debt_consolidation    150xx         PA
## 623            Not Verified Apr-2010 debt_consolidation    907xx         CA
## 624            Not Verified Dec-2011      major_purchase    080xx         NJ
## 625            Not Verified Sep-2013         credit_card    594xx         MT
## 626            Not Verified Jun-2010         credit_card    112xx         NY
## 627            Not Verified Nov-2014         credit_card    100xx         NY
## 628            Not Verified Feb-2012 debt_consolidation    402xx         KY
## 629            Not Verified Oct-2012 debt_consolidation    440xx         OH
## 630            Not Verified Apr-2010    home_improvement    103xx         NY
## 631            Not Verified Mar-2012               other    996xx         AK
## 632            Not Verified Aug-2010               other    032xx         NH
## 633            Not Verified Feb-2015         credit_card    322xx         FL
## 634            Not Verified Aug-2015         credit_card    953xx         CA
## 635            Not Verified Sep-2015         credit_card    191xx         PA
## 636            Not Verified Oct-2015 debt_consolidation    161xx         PA
## 637            Not Verified Oct-2015 debt_consolidation    761xx         TX
## 638            Not Verified Apr-2015 debt_consolidation    120xx         NY
## 639            Not Verified Mar-2012 debt_consolidation    993xx         WA
## 640            Not Verified Nov-2012    home_improvement    254xx         WV
## 641            Not Verified Oct-2014         credit_card    863xx         AZ
## 642            Not Verified Aug-2012 debt_consolidation    409xx         KY
## 643            Not Verified Nov-2015         credit_card    719xx         AR
## 644            Not Verified Jul-2015         credit_card    077xx         NJ
## 645            Not Verified Oct-2014         credit_card    088xx         NJ
## 646            Not Verified Sep-2015 debt_consolidation    870xx         NM
## 647            Not Verified Nov-2014 debt_consolidation    770xx         TX
## 648            Not Verified Dec-2015         credit_card    129xx         NY
## 649            Not Verified Jul-2015         credit_card    913xx         CA
## 650            Not Verified Sep-2015         credit_card    808xx         CO
## 651            Not Verified Sep-2015         credit_card    387xx         MS
## 652            Not Verified Oct-2015         credit_card    301xx         GA
```

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## 653     Not Verified Dec-2015        credit_card 667xx      KS
## 654     Not Verified Aug-2015        credit_card 115xx      NY
## 655     Not Verified Nov-2015 debt_consolidation 928xx      CA
## 656     Not Verified Sep-2015 debt_consolidation 920xx      CA
## 657     Not Verified Jul-2015 debt_consolidation 330xx      FL
## 658     Not Verified Oct-2015 debt_consolidation 945xx      CA
## 659     Not Verified Oct-2015 debt_consolidation 301xx      GA
## 660     Not Verified Aug-2015 debt_consolidation 800xx      CO
## 661     Not Verified Sep-2015 debt_consolidation 064xx      CT
## 662     Not Verified Jul-2015 debt_consolidation 326xx      FL
## 663     Not Verified Sep-2015   home_improvement 370xx      TN
## 664     Not Verified Jul-2015   home_improvement 554xx      MN
## 665     Not Verified Sep-2015   home_improvement 782xx      TX
## 666     Not Verified Sep-2015   home_improvement 208xx      MD
## 667     Not Verified Dec-2015   home_improvement 331xx      FL
## 668     Not Verified Oct-2015   home_improvement 455xx      OH
## 669     Not Verified Dec-2010           vacation 980xx      WA
## 670     Not Verified Jun-2012        credit_card 157xx      PA
## 671     Not Verified Jun-2012 debt_consolidation 925xx      CA
## 672     Not Verified Oct-2010 debt_consolidation 810xx      CO
## 673     Not Verified Oct-2014 debt_consolidation 271xx      NC
## 674     Not Verified Jan-2012 debt_consolidation 490xx      MI
## 675     Not Verified Sep-2010   home_improvement 949xx      CA
## 676     Not Verified Jul-2012   home_improvement 240xx      VA
## 677     Not Verified Aug-2012     major_purchase 273xx      NC
## 678     Not Verified Jun-2010              other 234xx      VA
## 679     Not Verified Mar-2010     small_business 930xx      CA
## 680     Not Verified May-2015 debt_consolidation 334xx      FL
## 681     Not Verified Dec-2015              other 207xx      MD
## 682     Not Verified Jan-2011                car 985xx      WA
## 683     Not Verified Oct-2010 debt_consolidation 984xx      WA
## 684     Not Verified Aug-2010   home_improvement 238xx      VA
## 685     Not Verified Jul-2015                car 154xx      PA
## 686     Not Verified Jan-2015        credit_card 151xx      PA
## 687     Not Verified Nov-2015        credit_card 030xx      NH
## 688     Not Verified Nov-2015        credit_card 928xx      CA
## 689     Not Verified Aug-2015 debt_consolidation 936xx      CA
## 690     Not Verified Sep-2015 debt_consolidation 923xx      CA
## 691     Not Verified Mar-2013 debt_consolidation 283xx      NC
## 692     Not Verified Mar-2015 debt_consolidation 088xx      NJ
## 693     Not Verified Dec-2015 debt_consolidation 633xx      MO
## 694     Not Verified May-2015 debt_consolidation 480xx      MI
## 695     Not Verified Feb-2015 debt_consolidation 300xx      GA
## 696     Not Verified Aug-2015 debt_consolidation 327xx      FL
## 697     Not Verified Sep-2015   home_improvement 853xx      AZ
## 698     Not Verified Sep-2015   home_improvement 754xx      TX
## 699     Not Verified Feb-2015   home_improvement 283xx      NC
## 700     Not Verified Jul-2015   home_improvement 945xx      CA
## 701     Not Verified Oct-2015   home_improvement 616xx      IL
## 702     Not Verified Nov-2015                car 320xx      FL
## 703     Not Verified Aug-2015        credit_card 333xx      FL
## 704     Not Verified Sep-2015        credit_card 288xx      NC
## 705     Not Verified Oct-2015        credit_card 490xx      MI
## 706     Not Verified Nov-2015        credit_card 346xx      FL
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## 707          Not Verified Aug-2015        credit_card  232xx     VA
## 708          Not Verified Aug-2014        credit_card  953xx     CA
## 709          Not Verified Jul-2015        credit_card  940xx     CA
## 710          Not Verified Nov-2015        credit_card  295xx     SC
## 711          Not Verified Jul-2015        credit_card  949xx     CA
## 712          Not Verified Oct-2015        credit_card  984xx     WA
## 713          Not Verified Oct-2015        credit_card  147xx     NY
## 714          Not Verified Nov-2015        credit_card  156xx     PA
## 715          Not Verified Aug-2015        credit_card  921xx     CA
## 716          Not Verified Nov-2015 debt_consolidation  368xx     AL
## 717          Not Verified Aug-2015 debt_consolidation  800xx     CO
## 718          Not Verified Oct-2015 debt_consolidation  223xx     VA
## 719          Not Verified Aug-2015 debt_consolidation  344xx     FL
## 720          Not Verified Jul-2015 debt_consolidation  956xx     CA
## 721          Not Verified Dec-2015 debt_consolidation  328xx     FL
## 722          Not Verified Nov-2015 debt_consolidation  926xx     CA
## 723          Not Verified Aug-2015 debt_consolidation  721xx     AR
## 724          Not Verified Apr-2015 debt_consolidation  740xx     OK
## 725          Not Verified Aug-2015 debt_consolidation  907xx     CA
## 726          Not Verified Aug-2015 debt_consolidation  980xx     WA
## 727          Not Verified Aug-2015 debt_consolidation  146xx     NY
## 728          Not Verified Dec-2015 debt_consolidation  937xx     CA
## 729          Not Verified Dec-2015        credit_card  926xx     CA
## 730          Not Verified Dec-2015 debt_consolidation  010xx     MA
## 731          Not Verified Dec-2015 debt_consolidation  266xx     WV
## 732          Not Verified Dec-2015 debt_consolidation  701xx     LA
## 733          Not Verified Aug-2015 debt_consolidation  799xx     TX
## 734          Not Verified Oct-2015 debt_consolidation  447xx     OH
## 735          Not Verified Aug-2015              other  351xx     AL
## 736          Not Verified Jul-2012        credit_card  324xx     FL
## 737          Not Verified Aug-2012                car  439xx     OH
## 738          Not Verified Sep-2012              other  816xx     CO
## 739          Not Verified Nov-2015        credit_card  161xx     PA
## 740          Not Verified Apr-2014        credit_card  945xx     CA
## 741          Not Verified Aug-2015   home_improvement  141xx     NY
## 742          Not Verified Jan-2012        credit_card  425xx     KY
## 743          Not Verified Oct-2011        credit_card  752xx     TX
## 744          Not Verified Jul-2010 debt_consolidation  735xx     OK
## 745          Not Verified Jul-2010 debt_consolidation  180xx     PA
## 746          Not Verified May-2011 debt_consolidation  103xx     NY
## 747          Not Verified Mar-2012   home_improvement  891xx     NV
## 748          Not Verified Jul-2010     major_purchase  323xx     FL
## 749          Not Verified Jan-2011              other  785xx     TX
## 750          Not Verified Dec-2015 debt_consolidation  793xx     TX
## 751          Not Verified Aug-2015        credit_card  437xx     OH
## 752          Not Verified Sep-2015 debt_consolidation  691xx     NE
## 753          Not Verified Nov-2015   home_improvement  326xx     FL
## 754          Not Verified Aug-2015   home_improvement  212xx     MD
## 755          Not Verified Sep-2015 debt_consolidation  713xx     LA
## 756          Not Verified Dec-2012 debt_consolidation  324xx     FL
## 757          Not Verified Aug-2012 debt_consolidation  974xx     OR
## 758          Not Verified Sep-2010              other  637xx     MO
## 759          Not Verified Feb-2010              other  080xx     NJ
## 760          Not Verified May-2010   renewable_energy  919xx     CA
```

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## 761          Not Verified Dec-2014        credit_card 497xx        MI
## 762          Not Verified Apr-2012 debt_consolidation 932xx        CA
## 763          Not Verified Oct-2011 debt_consolidation 432xx        OH
## 764          Not Verified Apr-2011 debt_consolidation 968xx        HI
## 765          Not Verified Jul-2012 debt_consolidation 104xx        NY
## 766          Not Verified Jul-2011 debt_consolidation 974xx        OR
## 767          Not Verified Sep-2012 debt_consolidation 890xx        NV
## 768          Not Verified Apr-2010            medical 940xx        CA
## 769          Not Verified Jul-2012              other 917xx        CA
## 770          Not Verified Sep-2010        credit_card 109xx        NY
## 771          Not Verified Nov-2012 debt_consolidation 240xx        VA
## 772          Not Verified Nov-2010        credit_card 612xx        IL
## 773          Not Verified Jul-2011 debt_consolidation 234xx        VA
## 774          Not Verified Jun-2011 debt_consolidation 362xx        AL
## 775          Not Verified Aug-2012 debt_consolidation 199xx        DE
## 776          Not Verified Jul-2012              other 270xx        NC
## 777          Not Verified May-2015     small_business 381xx        TN
## 778          Not Verified Jul-2011           vacation 334xx        FL
## 779          Not Verified Oct-2015        credit_card 913xx        CA
## 780          Not Verified Mar-2013 debt_consolidation 281xx        NC
## 781          Not Verified Aug-2012 debt_consolidation 168xx        PA
## 782          Not Verified May-2011            wedding 921xx        CA
## 783          Not Verified Jul-2015        credit_card 349xx        FL
## 784          Not Verified Aug-2015        credit_card 330xx        FL
## 785          Not Verified Nov-2015        credit_card 073xx        NJ
## 786          Not Verified Dec-2015 debt_consolidation 280xx        NC
## 787          Not Verified Aug-2015 debt_consolidation 328xx        FL
## 788          Not Verified Dec-2015 debt_consolidation 411xx        KY
## 789          Not Verified Jul-2015 debt_consolidation 087xx        NJ
## 790          Not Verified Oct-2015   home_improvement 608xx        IL
## 791          Not Verified Dec-2015     major_purchase 467xx        IN
## 792          Not Verified Oct-2012                car 980xx        WA
## 793          Not Verified Jul-2010                car 629xx        TX
## 794          Not Verified Aug-2012        credit_card 921xx        CA
## 795          Not Verified Jun-2012        credit_card 302xx        GA
## 796          Not Verified Jul-2011 debt_consolidation 553xx        MN
## 797          Not Verified Jul-2011 debt_consolidation 287xx        NC
## 798          Not Verified Feb-2010 debt_consolidation 984xx        WA
## 799          Not Verified Jan-2011 debt_consolidation 922xx        CA
## 800          Not Verified Oct-2012   home_improvement 498xx        MI
## 801          Not Verified Jul-2010     major_purchase 959xx        CA
## 802          Not Verified Oct-2011     major_purchase 890xx        NV
## 803          Not Verified Sep-2011              other 285xx        NC
## 804          Not Verified Aug-2011              other 330xx        FL
## 805          Not Verified Dec-2015              other 411xx        KY
## 806          Not Verified Jan-2012 debt_consolidation 456xx        OH
## 807          Not Verified Feb-2013        credit_card 757xx        TX
## 808          Not Verified Jul-2015        credit_card 329xx        FL
## 809          Not Verified Feb-2010     major_purchase 829xx        WY
## 810          Not Verified Jun-2012              other 852xx        AZ
## 811          Not Verified Apr-2011           vacation 852xx        AZ
## 812          Not Verified Jan-2013 debt_consolidation 844xx        UT
## 813          Not Verified Nov-2015              house 043xx        ME
## 814          Not Verified Mar-2013              other 104xx        NY
```

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## 815   Source Verified Nov-2013        credit_card 604xx    IL
## 816      Not Verified Apr-2012        credit_card 254xx    WV
## 817      Not Verified Aug-2012        credit_card 751xx    TX
## 818      Not Verified Feb-2011 debt_consolidation 316xx    GA
## 819      Not Verified Oct-2010            medical 657xx    MO
## 820      Not Verified Jun-2011     major_purchase 342xx    FL
## 821      Not Verified Sep-2015 debt_consolidation 923xx    CA
## 822      Not Verified Nov-2015 debt_consolidation 396xx    MS
## 823      Not Verified Oct-2015 debt_consolidation 342xx    FL
## 824      Not Verified Oct-2015 debt_consolidation 467xx    IN
## 825      Not Verified Aug-2015   home_improvement 326xx    FL
## 826      Not Verified Sep-2015     major_purchase 208xx    MD
## 827      Not Verified Nov-2015 debt_consolidation 310xx    GA
## 828      Not Verified Nov-2012 debt_consolidation 068xx    CT
## 829      Not Verified Dec-2014           vacation 936xx    CA
## 830      Not Verified Oct-2015 debt_consolidation 853xx    AZ
## 831      Not Verified Oct-2015 debt_consolidation 442xx    OH
## 832      Not Verified Feb-2015   home_improvement 156xx    PA
## 833      Not Verified Aug-2015     major_purchase 765xx    TX
## 834      Not Verified Jun-2015           vacation 919xx    CA
## 835      Not Verified Dec-2015 debt_consolidation 471xx    IN
## 836      Not Verified Dec-2015        credit_card 992xx    WA
## 837      Not Verified May-2015        credit_card 355xx    AL
## 838      Not Verified Aug-2015        credit_card 972xx    OR
## 839      Not Verified Nov-2015        credit_card 065xx    CT
## 840   Source Verified Jan-2015        credit_card 344xx    FL
## 841   Source Verified Aug-2015        credit_card 774xx    TX
## 842   Source Verified Nov-2015        credit_card 344xx    FL
## 843   Source Verified May-2015        credit_card 925xx    CA
## 844   Source Verified Jul-2015        credit_card 467xx    IN
## 845   Source Verified Jul-2014        credit_card 958xx    CA
## 846   Source Verified Dec-2015        credit_card 341xx    FL
## 847   Source Verified May-2015        credit_card 952xx    CA
## 848   Source Verified Apr-2015        credit_card 488xx    MI
## 849   Source Verified Sep-2014        credit_card 027xx    MA
## 850   Source Verified Jul-2015 debt_consolidation 320xx    FL
## 851   Source Verified Oct-2015 debt_consolidation 750xx    TX
## 852   Source Verified Oct-2015 debt_consolidation 300xx    GA
## 853   Source Verified Feb-2013 debt_consolidation 278xx    NC
## 854   Source Verified Dec-2015 debt_consolidation 398xx    GA
## 855   Source Verified May-2013 debt_consolidation 407xx    KY
## 856   Source Verified Nov-2014 debt_consolidation 551xx    MN
## 857   Source Verified Dec-2013 debt_consolidation 310xx    GA
## 858   Source Verified Dec-2015 debt_consolidation 321xx    FL
## 859   Source Verified Feb-2015 debt_consolidation 786xx    TX
## 860   Source Verified Nov-2015 debt_consolidation 496xx    MI
## 861   Source Verified Mar-2014 debt_consolidation 070xx    NJ
## 862   Source Verified Nov-2015 debt_consolidation 554xx    MN
## 863   Source Verified Dec-2015 debt_consolidation 327xx    FL
## 864   Source Verified Aug-2015 debt_consolidation 658xx    MO
## 865   Source Verified Jan-2015 debt_consolidation 930xx    CA
## 866   Source Verified Jun-2015 debt_consolidation 342xx    FL
## 867   Source Verified Feb-2015 debt_consolidation 112xx    NY
## 868   Source Verified Sep-2015 debt_consolidation 750xx    TX
```

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## 869      Source Verified Mar-2015 debt_consolidation      217xx      MD
## 870      Source Verified Dec-2015 debt_consolidation      973xx      OR
## 871      Source Verified Dec-2015 debt_consolidation      450xx      OH
## 872      Source Verified Jan-2015 debt_consolidation      959xx      CA
## 873      Source Verified May-2014 debt_consolidation      751xx      TX
## 874      Source Verified Sep-2015 debt_consolidation      290xx      SC
## 875      Source Verified Nov-2015      home_improvement    316xx      GA
## 876      Source Verified Apr-2014      home_improvement    606xx      IL
## 877      Source Verified Aug-2014      home_improvement    956xx      CA
## 878      Source Verified Jan-2015                 other    928xx      CA
## 879      Source Verified Oct-2015                 other    802xx      CO
## 880      Source Verified Nov-2013                 other    201xx      VA
## 881      Source Verified Dec-2013                 other    124xx      NY
## 882      Source Verified Nov-2014                 other    080xx      NJ
## 883      Source Verified Dec-2015                 other    444xx      OH
## 884      Source Verified Nov-2015                 other    349xx      FL
## 885      Source Verified Oct-2015                 other    117xx      NY
## 886      Source Verified Nov-2015        small_business    290xx      SC
## 887      Source Verified Apr-2013           credit_card    075xx      NJ
## 888      Source Verified Dec-2012           credit_card    103xx      NY
## 889      Source Verified Oct-2014           credit_card    275xx      NC
## 890      Source Verified Jan-2014           credit_card    977xx      OR
## 891      Source Verified Apr-2014           credit_card    342xx      FL
## 892      Source Verified Jul-2014 debt_consolidation      707xx      LA
## 893      Source Verified Oct-2015 debt_consolidation      750xx      TX
## 894      Source Verified Sep-2013 debt_consolidation      800xx      CO
## 895      Source Verified Oct-2014 debt_consolidation      342xx      FL
## 896      Source Verified Jul-2015 debt_consolidation      945xx      CA
## 897      Source Verified Dec-2013                 other    762xx      TX
## 898      Source Verified May-2015 debt_consolidation      281xx      NC
## 899      Source Verified Jul-2015      home_improvement    325xx      FL
## 900      Source Verified Dec-2015      home_improvement    770xx      TX
## 901      Source Verified Dec-2015 debt_consolidation      890xx      NV
## 902      Source Verified Dec-2015 debt_consolidation      773xx      TX
## 903      Source Verified Dec-2015 debt_consolidation      117xx      NY
## 904      Source Verified Dec-2015           credit_card    925xx      CA
## 905      Source Verified Dec-2015 debt_consolidation      225xx      VA
## 906      Source Verified Nov-2013 debt_consolidation      356xx      AL
## 907      Source Verified Feb-2014 debt_consolidation      183xx      PA
## 908      Source Verified May-2013 debt_consolidation      333xx      FL
## 909      Source Verified Oct-2014        major_purchase    973xx      OR
## 910      Source Verified Apr-2014                 other    622xx      IL
## 911      Source Verified Mar-2015           credit_card    211xx      MD
## 912      Source Verified Dec-2015           credit_card    115xx      NY
## 913      Source Verified Aug-2015           credit_card    604xx      IL
## 914      Source Verified Nov-2014 debt_consolidation      770xx      TX
## 915      Source Verified Oct-2015 debt_consolidation      972xx      OR
## 916      Source Verified Jan-2015 debt_consolidation      773xx      TX
## 917      Source Verified May-2015 debt_consolidation      750xx      TX
## 918      Source Verified Mar-2014 debt_consolidation      871xx      NM
## 919      Source Verified Aug-2014 debt_consolidation      321xx      FL
## 920      Source Verified Oct-2015 debt_consolidation      605xx      IL
## 921      Source Verified Dec-2015 debt_consolidation      262xx      WV
## 922      Source Verified Aug-2015 debt_consolidation      970xx      OR
```

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## 923     Source Verified Jul-2015 debt_consolidation     070xx        NJ
## 924     Source Verified Sep-2015 debt_consolidation     243xx        VA
## 925     Source Verified Apr-2015 debt_consolidation     891xx        NV
## 926     Source Verified Oct-2015 debt_consolidation     719xx        AR
## 927     Source Verified Oct-2015 debt_consolidation     066xx        CT
## 928     Source Verified Apr-2015 debt_consolidation     974xx        OR
## 929     Source Verified Nov-2014 debt_consolidation     338xx        FL
## 930     Source Verified Oct-2015 debt_consolidation     617xx        IL
## 931     Source Verified Jun-2015 debt_consolidation     380xx        TN
## 932     Source Verified Oct-2015 debt_consolidation     300xx        GA
## 933     Source Verified Oct-2014 debt_consolidation     604xx        IL
## 934     Source Verified Nov-2015 debt_consolidation     852xx        AZ
## 935     Source Verified Oct-2015 debt_consolidation     132xx        NY
## 936     Source Verified Feb-2015 debt_consolidation     441xx        OH
## 937     Source Verified Nov-2015    home_improvement     286xx        NC
## 938     Source Verified Dec-2015    home_improvement     331xx        FL
## 939     Source Verified Nov-2014    home_improvement     577xx        SD
## 940     Source Verified Oct-2014    home_improvement     442xx        OH
## 941     Source Verified Oct-2015    home_improvement     482xx        MI
## 942     Source Verified Jun-2015    home_improvement     171xx        PA
## 943     Source Verified Jan-2015       major_purchase    539xx        WI
## 944     Source Verified Apr-2013       major_purchase    442xx        OH
## 945     Source Verified May-2015              medical    100xx        NY
## 946     Source Verified Apr-2015                other    920xx        CA
## 947     Source Verified Nov-2015                other    890xx        NV
## 948        Not Verified Dec-2015          credit_card    722xx        AR
## 949        Not Verified Jul-2015          credit_card    328xx        FL
## 950        Not Verified Aug-2015          credit_card    784xx        TX
## 951        Not Verified Oct-2015          credit_card    461xx        IN
## 952        Not Verified Aug-2015          credit_card    973xx        OR
## 953        Not Verified Nov-2015 debt_consolidation     797xx        TX
## 954        Not Verified Sep-2015 debt_consolidation     315xx        GA
## 955        Not Verified Nov-2015 debt_consolidation     342xx        FL
## 956        Not Verified Aug-2015       small_business    435xx        OH
## 957        Not Verified Sep-2012          credit_card    900xx        CA
## 958        Not Verified Feb-2010          credit_card    606xx        IL
## 959        Not Verified Feb-2015 debt_consolidation     352xx        AL
## 960        Not Verified Feb-2010 debt_consolidation     597xx        MT
## 961        Not Verified Jan-2012 debt_consolidation     757xx        TX
## 962        Not Verified Mar-2012       major_purchase    635xx        MO
## 963        Not Verified Apr-2012                other    551xx        MN
## 964        Not Verified Dec-2015          credit_card    356xx        AL
## 965        Not Verified Nov-2015 debt_consolidation     945xx        CA
## 966        Not Verified Jul-2012                other    088xx        NJ
## 967        Not Verified Nov-2015          credit_card    337xx        FL
## 968        Not Verified Oct-2015 debt_consolidation     104xx        NY
## 969        Not Verified Feb-2015 debt_consolidation     850xx        AZ
## 970        Not Verified Aug-2015 debt_consolidation     028xx        RI
## 971        Not Verified Oct-2015    home_improvement     080xx        NJ
## 972        Not Verified Jul-2015 debt_consolidation     385xx        TN
## 973        Not Verified Oct-2015 debt_consolidation     337xx        FL
## 974        Not Verified Jun-2012 debt_consolidation     367xx        AL
## 975        Not Verified Apr-2011 debt_consolidation     864xx        AZ
## 976        Not Verified Feb-2010    home_improvement     354xx        AL
```

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## 977           Not Verified Oct-2014 debt_consolidation    412xx        KY
## 978           Not Verified Mar-2010 debt_consolidation    115xx        NY
## 979           Not Verified Aug-2014           moving       207xx        MD
## 980           Not Verified Dec-2015 debt_consolidation    373xx        TN
## 981           Not Verified Apr-2011      credit_card       662xx        KS
## 982           Not Verified Feb-2012    major_purchase      070xx        NJ
## 983           Not Verified Mar-2012            other       760xx        TX
## 984           Not Verified Sep-2015      credit_card       302xx        GA
## 985           Not Verified Nov-2015      credit_card       376xx        TN
## 986           Not Verified Oct-2015 debt_consolidation    600xx        IL
## 987           Not Verified Apr-2015 debt_consolidation    481xx        MI
## 988           Not Verified Mar-2012              car       130xx        NY
## 989           Not Verified Mar-2011              car       290xx        SC
## 990           Not Verified Aug-2012              car       178xx        PA
## 991           Not Verified Sep-2012      credit_card       350xx        AL
## 992           Not Verified Dec-2010      credit_card       801xx        CO
## 993           Not Verified Dec-2010      credit_card       287xx        NC
## 994           Not Verified Mar-2011 debt_consolidation    706xx        LA
## 995           Not Verified Feb-2011 debt_consolidation    088xx        NJ
## 996           Not Verified Oct-2011 debt_consolidation    923xx        CA
## 997           Not Verified Sep-2012 debt_consolidation    420xx        KY
## 998           Not Verified Oct-2010          medical       317xx        GA
## 999           Not Verified May-2011         vacation       604xx        IL
## 1000          Not Verified Aug-2012 debt_consolidation    917xx        CA
## 1001          Not Verified Jul-2011           moving       935xx        CA
## 1002          Not Verified Dec-2015      credit_card       735xx        OK
## 1003          Not Verified Jul-2015      credit_card       080xx        NJ
## 1004          Not Verified Aug-2015      credit_card       391xx        MS
## 1005          Not Verified Jul-2015      credit_card       769xx        TX
## 1006          Not Verified Jul-2015      credit_card       977xx        OR
## 1007          Not Verified Sep-2015 debt_consolidation    114xx        NY
## 1008          Not Verified Aug-2015 debt_consolidation    174xx        PA
## 1009          Not Verified Sep-2015 debt_consolidation    352xx        AL
## 1010          Not Verified Nov-2015 debt_consolidation    782xx        TX
## 1011          Not Verified Sep-2015    major_purchase      071xx        NJ
## 1012          Not Verified Dec-2015    major_purchase      019xx        MA
## 1013          Not Verified Oct-2015            other       125xx        NY
## 1014          Not Verified Aug-2015    small_business      020xx        MA
## 1015          Not Verified Jan-2012      credit_card       440xx        OH
## 1016          Not Verified Mar-2012 debt_consolidation    241xx        VA
## 1017          Not Verified Nov-2012 debt_consolidation    136xx        NY
## 1018          Not Verified May-2013 debt_consolidation    840xx        UT
## 1019          Not Verified Sep-2011            other       604xx        IL
## 1020          Not Verified Aug-2012         vacation       293xx        SC
## 1021          Not Verified Dec-2015 home_improvement      481xx        MI
## 1022          Not Verified Jan-2012              car       945xx        CA
## 1023          Not Verified Nov-2011 debt_consolidation    145xx        NY
## 1024          Not Verified Feb-2010 debt_consolidation    984xx        WA
## 1025          Not Verified Dec-2011 debt_consolidation    017xx        MA
## 1026          Not Verified Jan-2012 debt_consolidation    630xx        MO
## 1027          Not Verified Nov-2012 debt_consolidation    130xx        NY
## 1028          Not Verified Sep-2011 debt_consolidation    801xx        CO
## 1029          Not Verified Mar-2010 debt_consolidation    242xx        VA
## 1030          Not Verified Sep-2012            other       104xx        NY
```

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## 1031          Not Verified Nov-2011          credit_card 287xx          NC
## 1032          Not Verified Aug-2012          credit_card 320xx          FL
## 1033          Not Verified Sep-2012          credit_card 708xx          LA
## 1034          Not Verified Sep-2012          credit_card 480xx          MI
## 1035          Not Verified Oct-2012 debt_consolidation 606xx          IL
## 1036          Not Verified Apr-2012 debt_consolidation 104xx          NY
## 1037          Not Verified Mar-2013 debt_consolidation 557xx          MN
## 1038          Not Verified Jul-2011             moving 804xx          CO
## 1039          Not Verified Aug-2012             moving 316xx          GA
## 1040          Not Verified Jul-2010           vacation 303xx          GA
## 1041          Not Verified Apr-2015          credit_card 917xx          CA
## 1042          Not Verified Aug-2015 debt_consolidation 100xx          NY
## 1043          Not Verified Jul-2012 debt_consolidation 986xx          WA
## 1044          Not Verified May-2010 debt_consolidation 902xx          CA
## 1045          Not Verified Apr-2010        educational 852xx          AZ
## 1046          Not Verified Sep-2011     major_purchase 950xx          CA
## 1047          Not Verified Jul-2012            medical 080xx          NJ
## 1048          Not Verified Jan-2010              other 021xx          MA
## 1049          Not Verified Aug-2015          credit_card 334xx          FL
## 1050          Not Verified Sep-2014          credit_card 322xx          FL
## 1051          Not Verified Sep-2015 debt_consolidation 216xx          MD
## 1052          Not Verified Jul-2015 debt_consolidation 452xx          OH
## 1053          Not Verified Aug-2015 debt_consolidation 660xx          KS
## 1054          Not Verified Jul-2015 debt_consolidation 321xx          FL
## 1055          Not Verified Oct-2015 debt_consolidation 270xx          NC
## 1056          Not Verified Nov-2015 debt_consolidation 741xx          OK
## 1057          Not Verified Oct-2015 debt_consolidation 906xx          CA
## 1058          Not Verified Dec-2015 debt_consolidation 344xx          FL
## 1059          Not Verified Aug-2015   home_improvement 560xx          MN
## 1060          Not Verified Dec-2015   home_improvement 300xx          GA
## 1061          Not Verified Dec-2015   home_improvement 299xx          SC
## 1062          Not Verified Oct-2015              other 076xx          NJ
## 1063          Not Verified Sep-2014 debt_consolidation 945xx          CA
## 1064          Not Verified Apr-2012 debt_consolidation 329xx          FL
## 1065          Not Verified Oct-2012 debt_consolidation 956xx          CA
## 1066          Not Verified Dec-2010 debt_consolidation 422xx          KY
## 1067          Not Verified Jul-2010     major_purchase 763xx          TX
## 1068          Not Verified Sep-2015 debt_consolidation 764xx          TX
## 1069          Not Verified Jan-2012     major_purchase 342xx          FL
## 1070          Not Verified Oct-2015 debt_consolidation 907xx          CA
## 1071          Not Verified Jan-2015     small_business 452xx          OH
## 1072          Not Verified Mar-2013          credit_card 321xx          FL
## 1073          Not Verified Feb-2013 debt_consolidation 610xx          IL
## 1074          Not Verified Dec-2015          credit_card 645xx          MO
## 1075          Not Verified Jul-2015                car 385xx          TN
## 1076          Not Verified Aug-2015          credit_card 937xx          CA
## 1077          Not Verified Oct-2015   home_improvement 770xx          TX
## 1078          Not Verified Dec-2015            medical 913xx          CA
## 1079          Not Verified Jul-2013              other 278xx          NC
## 1080          Not Verified Oct-2015          credit_card 295xx          SC
## 1081          Not Verified Jan-2013 debt_consolidation 437xx          OH
## 1082          Not Verified Dec-2015 debt_consolidation 752xx          TX
## 1083          Not Verified Dec-2015 debt_consolidation 674xx          KS
## 1084          Not Verified Nov-2015          credit_card 496xx          MI
```

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## 1085          Not Verified Dec-2015         credit_card   717xx        AR
## 1086          Not Verified Aug-2015         credit_card   547xx        WI
## 1087          Not Verified Nov-2014         credit_card   462xx        IN
## 1088          Not Verified Oct-2015         credit_card   775xx        TX
## 1089          Not Verified Aug-2015         credit_card   246xx        VA
## 1090          Not Verified Nov-2015         credit_card   847xx        UT
## 1091          Not Verified Nov-2015 debt_consolidation   891xx        NV
## 1092          Not Verified Aug-2015 debt_consolidation   770xx        TX
## 1093          Not Verified Jul-2015 debt_consolidation   357xx        AL
## 1094          Not Verified Dec-2015 debt_consolidation   776xx        TX
## 1095          Not Verified Oct-2015   home_improvement   150xx        PA
## 1096          Not Verified Dec-2015   home_improvement   405xx        KY
## 1097          Not Verified Dec-2015         credit_card   321xx        FL
## 1098          Not Verified Dec-2015 debt_consolidation   480xx        MI
## 1099          Not Verified Jul-2015 debt_consolidation   212xx        MD
## 1100          Not Verified Aug-2015 debt_consolidation   299xx        SC
## 1101          Not Verified Nov-2015 debt_consolidation   255xx        WV
## 1102          Not Verified Oct-2015 debt_consolidation   442xx        OH
## 1103          Not Verified Nov-2015   home_improvement   776xx        TX
## 1104          Not Verified Oct-2015   home_improvement   361xx        AL
## 1105          Not Verified Oct-2015      major_purchase   891xx        NV
## 1106          Not Verified Oct-2015               other   785xx        TX
## 1107          Not Verified Oct-2015         credit_card   378xx        TN
## 1108          Not Verified Mar-2015 debt_consolidation   465xx        IN
## 1109          Not Verified Dec-2015               other   275xx        NC
## 1110          Not Verified Dec-2015   home_improvement   027xx        MA
## 1111          Not Verified Aug-2014 debt_consolidation   112xx        NY
## 1112          Not Verified Jul-2015 debt_consolidation   953xx        CA
## 1113          Not Verified Jun-2015         credit_card   209xx        MD
## 1114          Not Verified Feb-2015         credit_card   100xx        NY
## 1115          Not Verified Nov-2015         credit_card   077xx        NJ
## 1116          Not Verified Aug-2015         credit_card   951xx        CA
## 1117          Not Verified Oct-2015         credit_card   029xx        RI
## 1118          Not Verified Dec-2015         credit_card   105xx        NY
## 1119          Not Verified Jul-2014         credit_card   900xx        CA
## 1120          Not Verified Aug-2015 debt_consolidation   114xx        NY
## 1121       Source Verified Sep-2014 debt_consolidation   441xx        OH
## 1122       Source Verified Jul-2013 debt_consolidation   380xx        TN
## 1123       Source Verified May-2015   home_improvement   372xx        TN
## 1124       Source Verified Feb-2014   home_improvement   890xx        NV
## 1125       Source Verified Jun-2014 debt_consolidation   297xx        SC
## 1126       Source Verified Dec-2015 debt_consolidation   532xx        WI
## 1127       Source Verified Jun-2014 debt_consolidation   125xx        NY
## 1128       Source Verified Nov-2012   home_improvement   301xx        GA
## 1129       Source Verified Aug-2015 debt_consolidation   455xx        OH
## 1130       Source Verified Aug-2014 debt_consolidation   864xx        AZ
## 1131       Source Verified May-2014 debt_consolidation   710xx        LA
## 1132       Source Verified Nov-2015 debt_consolidation   751xx        TX
## 1133       Source Verified Jun-2014 debt_consolidation   933xx        CA
## 1134       Source Verified Feb-2015 debt_consolidation   759xx        TX
## 1135       Source Verified Apr-2014 debt_consolidation   292xx        SC
## 1136       Source Verified Apr-2015 debt_consolidation   418xx        KY
## 1137       Source Verified Oct-2014 debt_consolidation   128xx        NY
## 1138       Source Verified Nov-2015   home_improvement   482xx        MI
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## 1139         Source Verified Oct-2015              moving 968xx     HI
## 1140         Source Verified May-2013         credit_card 653xx     MO
## 1141         Source Verified Oct-2012 debt_consolidation 922xx      CA
## 1142         Source Verified May-2014 debt_consolidation 945xx      CA
## 1143         Source Verified Apr-2014    home_improvement 921xx      CA
## 1144         Source Verified Mar-2014 debt_consolidation 354xx      AL
## 1145         Source Verified Apr-2015 debt_consolidation 564xx      MN
## 1146         Source Verified Jul-2014 debt_consolidation 023xx      MA
## 1147         Source Verified Jun-2014               other 857xx     AZ
## 1148         Source Verified May-2014 debt_consolidation 197xx      DE
## 1149         Source Verified Dec-2014    home_improvement 287xx      NC
## 1150         Source Verified Nov-2015                 car 128xx     NY
## 1151         Source Verified Sep-2015         credit_card 801xx     CO
## 1152         Source Verified Oct-2014         credit_card 679xx     KS
## 1153         Source Verified Oct-2015         credit_card 424xx     KY
## 1154         Source Verified Dec-2013         credit_card 850xx     AZ
## 1155         Source Verified Jul-2015         credit_card 461xx     IN
## 1156         Source Verified Dec-2013         credit_card 761xx     TX
## 1157         Source Verified Feb-2015         credit_card 890xx     NV
## 1158         Source Verified Jun-2015         credit_card 184xx     PA
## 1159         Source Verified Jun-2015         credit_card 774xx     TX
## 1160         Source Verified Dec-2015         credit_card 497xx     MI
## 1161         Source Verified Jun-2015 debt_consolidation 085xx      NJ
## 1162         Source Verified Oct-2014 debt_consolidation 084xx      NJ
## 1163         Source Verified Nov-2014 debt_consolidation 432xx      OH
## 1164         Source Verified Mar-2015 debt_consolidation 749xx      OK
## 1165         Source Verified Jun-2015 debt_consolidation 925xx      CA
## 1166         Source Verified Apr-2013 debt_consolidation 060xx      CT
## 1167         Source Verified May-2015 debt_consolidation 140xx      NY
## 1168         Source Verified Apr-2015 debt_consolidation 151xx      PA
## 1169         Source Verified Jun-2015 debt_consolidation 060xx      CT
## 1170         Source Verified Jun-2015 debt_consolidation 329xx      FL
## 1171         Source Verified Sep-2015 debt_consolidation 321xx      FL
## 1172         Source Verified Jul-2014 debt_consolidation 880xx      NM
## 1173         Source Verified Dec-2014 debt_consolidation 977xx      OR
## 1174         Source Verified Jun-2015 debt_consolidation 953xx      CA
## 1175         Source Verified Feb-2015 debt_consolidation 278xx      NC
## 1176         Source Verified Feb-2015 debt_consolidation 125xx      NY
## 1177         Source Verified Jul-2015    home_improvement 864xx      AZ
## 1178         Source Verified Nov-2014    home_improvement 641xx      MO
## 1179         Source Verified Sep-2014         credit_card 333xx     FL
## 1180         Source Verified Jun-2014         credit_card 373xx     TN
## 1181         Source Verified Jan-2015         credit_card 720xx     AR
## 1182         Source Verified Apr-2013 debt_consolidation 338xx      FL
## 1183         Source Verified Jul-2014 debt_consolidation 971xx      OR
## 1184         Source Verified Dec-2015            vacation 400xx     KY
## 1185         Source Verified Dec-2015         credit_card 049xx     ME
## 1186         Source Verified Dec-2015    home_improvement 446xx      OH
## 1187         Source Verified Mar-2014             medical 191xx     PA
## 1188         Source Verified Jul-2014            vacation 606xx     IL
## 1189         Source Verified Oct-2014         credit_card 334xx     FL
## 1190         Source Verified Nov-2015         credit_card 606xx     IL
## 1191         Source Verified Jul-2014         credit_card 290xx     SC
## 1192         Source Verified Dec-2013         credit_card 826xx     WY
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## 1193    Source Verified Aug-2015          credit_card 774xx       TX
## 1194    Source Verified Jan-2014          credit_card 486xx       MI
## 1195    Source Verified Aug-2015          credit_card 446xx       OH
## 1196    Source Verified Nov-2015          credit_card 390xx       MS
## 1197    Source Verified Nov-2014          credit_card 871xx       NM
## 1198    Source Verified Apr-2015          credit_card 731xx       OK
## 1199    Source Verified Dec-2015          credit_card 712xx       LA
## 1200    Source Verified Oct-2015          credit_card 960xx       CA
## 1201    Source Verified Dec-2015          credit_card 476xx       IN
## 1202    Source Verified Jul-2015          credit_card 551xx       MN
## 1203    Source Verified Jul-2015 debt_consolidation 333xx       FL
## 1204    Source Verified Nov-2015 debt_consolidation 667xx       KS
## 1205    Source Verified Mar-2015 debt_consolidation 982xx       WA
## 1206    Source Verified Feb-2015 debt_consolidation 991xx       WA
## 1207    Source Verified Aug-2015 debt_consolidation 113xx       NY
## 1208    Source Verified Dec-2014 debt_consolidation 183xx       PA
## 1209    Source Verified Nov-2015 debt_consolidation 720xx       AR
## 1210    Source Verified Mar-2015 debt_consolidation 300xx       GA
## 1211    Source Verified Jun-2015 debt_consolidation 347xx       FL
## 1212    Source Verified Mar-2014 debt_consolidation 925xx       CA
## 1213    Source Verified Jun-2015 debt_consolidation 105xx       NY
## 1214    Source Verified Nov-2015 debt_consolidation 307xx       GA
## 1215    Source Verified Oct-2014 debt_consolidation 863xx       AZ
## 1216    Source Verified May-2014 debt_consolidation 440xx       OH
## 1217    Source Verified Oct-2015 debt_consolidation 081xx       NJ
## 1218    Source Verified Jan-2014 debt_consolidation 773xx       TX
## 1219    Source Verified Sep-2014 debt_consolidation 776xx       TX
## 1220    Source Verified Dec-2015 debt_consolidation 945xx       CA
## 1221    Source Verified Oct-2015 debt_consolidation 487xx       MI
## 1222    Source Verified Jul-2015   home_improvement 851xx       AZ
## 1223    Source Verified Sep-2014   home_improvement 378xx       TN
## 1224    Source Verified Nov-2015   home_improvement 026xx       MA
## 1225    Source Verified Jul-2015   home_improvement 785xx       TX
## 1226    Source Verified Nov-2015   home_improvement 731xx       OK
## 1227    Source Verified Jul-2015   home_improvement 483xx       MI
## 1228    Source Verified Oct-2015           medical 781xx       TX
## 1229    Source Verified Oct-2014             other 920xx       CA
## 1230    Source Verified Feb-2014 debt_consolidation 900xx       CA
## 1231    Source Verified Mar-2014 debt_consolidation 351xx       AL
## 1232    Source Verified Dec-2015 debt_consolidation 456xx       OH
## 1233    Source Verified Dec-2015               car 890xx       NV
## 1234    Source Verified Dec-2015             other 482xx       MI
## 1235    Source Verified Jul-2015          credit_card 305xx       GA
## 1236    Source Verified Nov-2015          credit_card 466xx       IN
## 1237    Source Verified Feb-2015          credit_card 891xx       NV
## 1238    Source Verified Jun-2015 debt_consolidation 850xx       AZ
## 1239    Source Verified Nov-2015 debt_consolidation 040xx       ME
## 1240    Source Verified Jul-2015 debt_consolidation 328xx       FL
## 1241    Source Verified May-2014 debt_consolidation 408xx       KY
## 1242    Source Verified Oct-2014 debt_consolidation 075xx       NJ
## 1243    Source Verified Dec-2015 debt_consolidation 088xx       NJ
## 1244    Source Verified Jan-2014 debt_consolidation 549xx       WI
## 1245    Source Verified Nov-2015 debt_consolidation 601xx       IL
## 1246    Source Verified Jun-2014 debt_consolidation 381xx       TN
```

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## 1247      Source Verified Nov-2015 debt_consolidation  293xx     SC
## 1248      Source Verified Nov-2015 debt_consolidation  789xx     TX
## 1249      Source Verified Nov-2014      major_purchase  723xx     AR
## 1250      Source Verified Nov-2015      major_purchase  780xx     TX
## 1251      Source Verified May-2014      major_purchase  352xx     AL
## 1252      Source Verified Oct-2015             medical  349xx     FL
## 1253      Source Verified Feb-2015 debt_consolidation  300xx     GA
## 1254      Source Verified Jul-2014               other  989xx     WA
## 1255      Source Verified Mar-2014 debt_consolidation  333xx     FL
## 1256      Source Verified Jul-2014 debt_consolidation  648xx     MO
## 1257      Source Verified Oct-2014            vacation  327xx     FL
## 1258      Source Verified Apr-2013         credit_card  920xx     CA
## 1259      Source Verified Oct-2013 debt_consolidation  259xx     WV
## 1260      Source Verified Jul-2014 debt_consolidation  321xx     FL
## 1261      Source Verified Apr-2015 debt_consolidation  959xx     CA
## 1262      Source Verified Nov-2014 debt_consolidation  114xx     NY
## 1263      Source Verified Apr-2013               other  925xx     CA
## 1264      Source Verified Mar-2013               other  956xx     CA
## 1265      Source Verified Jan-2014    renewable_energy  060xx     CT
## 1266         Not Verified Aug-2015 debt_consolidation  852xx     AZ
## 1267         Not Verified Oct-2015 debt_consolidation  285xx     NC
## 1268         Not Verified Aug-2015 debt_consolidation  430xx     OH
## 1269         Not Verified Oct-2015 debt_consolidation  593xx     MT
## 1270         Not Verified Nov-2015    home_improvement  856xx     AZ
## 1271         Not Verified Jul-2010    home_improvement  945xx     CA
## 1272         Not Verified Jun-2010      major_purchase  291xx     SC
## 1273         Not Verified Nov-2015               other  923xx     CA
## 1274         Not Verified Oct-2015 debt_consolidation  373xx     TN
## 1275         Not Verified Oct-2015 debt_consolidation  025xx     MA
## 1276         Not Verified Oct-2015 debt_consolidation  184xx     PA
## 1277         Not Verified Oct-2015 debt_consolidation  378xx     TN
## 1278         Not Verified Jul-2015 debt_consolidation  328xx     FL
## 1279         Not Verified Jul-2015 debt_consolidation  291xx     SC
## 1280         Not Verified Oct-2015      major_purchase  850xx     AZ
## 1281         Not Verified Dec-2011                 car  117xx     NY
## 1282         Not Verified Dec-2010                 car  544xx     WI
## 1283         Not Verified Jun-2013         credit_card  323xx     FL
## 1284         Not Verified Apr-2012         credit_card  955xx     CA
## 1285         Not Verified Jul-2012 debt_consolidation  351xx     AL
## 1286         Not Verified Sep-2011 debt_consolidation  199xx     DE
## 1287         Not Verified Dec-2010 debt_consolidation  922xx     CA
## 1288         Not Verified Aug-2012 debt_consolidation  025xx     MA
## 1289         Not Verified Sep-2012 debt_consolidation  260xx     WV
## 1290         Not Verified Aug-2010 debt_consolidation  352xx     AL
## 1291         Not Verified Jan-2011    home_improvement  435xx     OH
## 1292         Not Verified Jun-2012               house  342xx     FL
## 1293         Not Verified Jun-2012              moving  640xx     MO
## 1294         Not Verified Aug-2012 debt_consolidation  799xx     TX
## 1295         Not Verified Jul-2011    home_improvement  347xx     FL
## 1296         Not Verified Nov-2010    renewable_energy  953xx     CA
## 1297         Not Verified Aug-2015         credit_card  860xx     AZ
## 1298         Not Verified Aug-2015         credit_card  323xx     FL
## 1299         Not Verified Oct-2015         credit_card  720xx     AR
## 1300         Not Verified Jul-2015         credit_card  641xx     MO
```

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## 1301             Not Verified Aug-2015         credit_card 750xx      TX
## 1302             Not Verified Feb-2013         credit_card 302xx      GA
## 1303             Not Verified Nov-2015         credit_card 223xx      VA
## 1304             Not Verified Aug-2015         credit_card 328xx      FL
## 1305             Not Verified Sep-2015         credit_card 630xx      MO
## 1306             Not Verified Dec-2015 debt_consolidation 860xx      AZ
## 1307             Not Verified Oct-2015 debt_consolidation 301xx      GA
## 1308             Not Verified Aug-2015 debt_consolidation 301xx      GA
## 1309             Not Verified Aug-2014 debt_consolidation 773xx      TX
## 1310             Not Verified Sep-2015 debt_consolidation 921xx      CA
## 1311             Not Verified Oct-2015 debt_consolidation 171xx      PA
## 1312             Not Verified Oct-2015 debt_consolidation 498xx      MI
## 1313             Not Verified Aug-2015   home_improvement 712xx      LA
## 1314             Not Verified Dec-2015   home_improvement 019xx      MA
## 1315             Not Verified Jul-2010             other 362xx      AL
## 1316             Not Verified Nov-2015         credit_card 728xx      AR
## 1317             Not Verified Dec-2015         credit_card 131xx      NY
## 1318             Not Verified Oct-2015         credit_card 490xx      MI
## 1319             Not Verified Nov-2015 debt_consolidation 300xx      GA
## 1320             Not Verified Jul-2015 debt_consolidation 787xx      TX
## 1321             Not Verified Sep-2015 debt_consolidation 891xx      NV
## 1322             Not Verified Feb-2010 debt_consolidation 565xx      MN
## 1323             Not Verified Feb-2015     small_business 926xx      CA
## 1324             Not Verified Aug-2015         credit_card 283xx      NC
## 1325             Not Verified Aug-2015         credit_card 124xx      NY
## 1326             Not Verified Jul-2015         credit_card 948xx      CA
## 1327             Not Verified Sep-2015         credit_card 113xx      NY
## 1328             Not Verified Mar-2015 debt_consolidation 933xx      CA
## 1329             Not Verified Nov-2015 debt_consolidation 537xx      WI
## 1330             Not Verified Aug-2015 debt_consolidation 276xx      NC
## 1331             Not Verified Nov-2014 debt_consolidation 850xx      AZ
## 1332             Not Verified Sep-2015 debt_consolidation 104xx      NY
## 1333             Not Verified Sep-2015 debt_consolidation 840xx      UT
## 1334             Not Verified Dec-2015 debt_consolidation 551xx      MN
## 1335             Not Verified Nov-2015   home_improvement 129xx      NY
## 1336             Not Verified Aug-2015     major_purchase 128xx      NY
## 1337             Not Verified Oct-2010          vacation 159xx      PA
## 1338             Not Verified Dec-2015               car 941xx      CA
## 1339             Not Verified Jul-2015         credit_card 322xx      FL
## 1340             Not Verified Aug-2015         credit_card 201xx      VA
## 1341             Not Verified Dec-2015         credit_card 970xx      OR
## 1342             Not Verified Jul-2015         credit_card 178xx      PA
## 1343             Not Verified Oct-2015         credit_card 366xx      AL
## 1344             Not Verified Aug-2015         credit_card 852xx      AZ
## 1345             Not Verified Dec-2015         credit_card 175xx      PA
## 1346             Not Verified Nov-2015 debt_consolidation 100xx      NY
## 1347             Not Verified Aug-2015 debt_consolidation 221xx      VA
## 1348             Not Verified Jul-2015 debt_consolidation 115xx      NY
## 1349             Not Verified Oct-2015 debt_consolidation 847xx      UT
## 1350             Not Verified Oct-2015 debt_consolidation 937xx      CA
## 1351             Not Verified Sep-2015             house 981xx      WA
## 1352             Not Verified Aug-2015     major_purchase 719xx      AR
## 1353             Not Verified Jul-2014 debt_consolidation 908xx      CA
## 1354             Not Verified Aug-2015         credit_card 972xx      OR
```

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## 1355        Not Verified Dec-2015 debt_consolidation       956xx        CA
## 1356        Not Verified Dec-2015        credit_card        100xx        NY
## 1357     Source Verified Jun-2015                car        234xx        VA
## 1358     Source Verified Dec-2015        credit_card        321xx        FL
## 1359     Source Verified Apr-2015        credit_card        021xx        MA
## 1360     Source Verified Jul-2015        credit_card        773xx        TX
## 1361     Source Verified Jul-2015        credit_card        936xx        CA
## 1362     Source Verified Feb-2015        credit_card        476xx        IN
## 1363     Source Verified Apr-2015        credit_card        794xx        TX
## 1364     Source Verified Apr-2015        credit_card        344xx        FL
## 1365     Source Verified Dec-2015        credit_card        164xx        PA
## 1366     Source Verified Nov-2015        credit_card        267xx        WV
## 1367     Source Verified Aug-2015        credit_card        860xx        AZ
## 1368     Source Verified Jul-2014        credit_card        321xx        FL
## 1369     Source Verified Feb-2015        credit_card        132xx        NY
## 1370     Source Verified Mar-2015        credit_card        294xx        SC
## 1371     Source Verified Dec-2013        credit_card        121xx        NY
## 1372     Source Verified Jun-2015        credit_card        750xx        TX
## 1373     Source Verified Nov-2014        credit_card        462xx        IN
## 1374     Source Verified Jul-2015        credit_card        774xx        TX
## 1375     Source Verified Feb-2015        credit_card        960xx        CA
## 1376     Source Verified Feb-2015        credit_card        532xx        WI
## 1377     Source Verified Nov-2015        credit_card        356xx        AL
## 1378     Source Verified Dec-2015        credit_card        936xx        CA
## 1379     Source Verified Apr-2014        credit_card        480xx        MI
## 1380     Source Verified Jun-2015        credit_card        953xx        CA
## 1381     Source Verified Oct-2015        credit_card        750xx        TX
## 1382     Source Verified Jan-2015        credit_card        952xx        CA
## 1383     Source Verified Jan-2015 debt_consolidation        853xx        AZ
## 1384     Source Verified Apr-2015 debt_consolidation        330xx        FL
## 1385     Source Verified May-2015 debt_consolidation        405xx        KY
## 1386     Source Verified Oct-2014 debt_consolidation        385xx        TN
## 1387     Source Verified Sep-2015 debt_consolidation        756xx        TX
## 1388     Source Verified Jun-2015 debt_consolidation        320xx        FL
## 1389     Source Verified Jun-2015 debt_consolidation        922xx        CA
## 1390     Source Verified Mar-2014 debt_consolidation        080xx        NJ
## 1391     Source Verified Dec-2014 debt_consolidation        026xx        MA
## 1392     Source Verified Nov-2013 debt_consolidation        954xx        CA
## 1393     Source Verified Dec-2015 debt_consolidation        809xx        CO
## 1394     Source Verified Sep-2015 debt_consolidation        319xx        GA
## 1395     Source Verified May-2014 debt_consolidation        407xx        KY
## 1396     Source Verified Feb-2014 debt_consolidation        208xx        MD
## 1397     Source Verified Sep-2015 debt_consolidation        685xx        NE
## 1398     Source Verified Apr-2015 debt_consolidation        083xx        NJ
## 1399     Source Verified May-2014 debt_consolidation        949xx        CA
## 1400     Source Verified Dec-2014 debt_consolidation        922xx        CA
## 1401     Source Verified Sep-2015 debt_consolidation        917xx        CA
## 1402     Source Verified Jan-2015 debt_consolidation        932xx        CA
## 1403     Source Verified Feb-2015 debt_consolidation        329xx        FL
## 1404     Source Verified Oct-2014 debt_consolidation        327xx        FL
## 1405     Source Verified Jul-2015 debt_consolidation        333xx        FL
## 1406     Source Verified Jul-2015 debt_consolidation        606xx        IL
## 1407     Source Verified Jun-2014 debt_consolidation        305xx        GA
## 1408     Source Verified Aug-2015 debt_consolidation        448xx        OH
```

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## 1409       Source Verified Jul-2014 debt_consolidation       234xx        VA
## 1410       Source Verified Sep-2014 debt_consolidation       427xx        KY
## 1411       Source Verified May-2014 debt_consolidation       658xx        MO
## 1412       Source Verified Apr-2015 debt_consolidation       201xx        VA
## 1413       Source Verified Nov-2014 debt_consolidation       371xx        TN
## 1414       Source Verified Oct-2014 debt_consolidation       432xx        OH
## 1415       Source Verified Jan-2015   home_improvement       953xx        CA
## 1416       Source Verified Apr-2015   home_improvement       074xx        NJ
## 1417       Source Verified Apr-2015   home_improvement       754xx        TX
## 1418       Source Verified Jul-2015   home_improvement       770xx        TX
## 1419       Source Verified Jul-2015   home_improvement       727xx        AR
## 1420       Source Verified Oct-2015   home_improvement       349xx        FL
## 1421       Source Verified Feb-2014   home_improvement       604xx        IL
## 1422       Source Verified May-2013   home_improvement       661xx        KS
## 1423       Source Verified Apr-2015           vacation       313xx        GA
## 1424       Source Verified Oct-2014        credit_card       853xx        AZ
## 1425       Source Verified Apr-2014 debt_consolidation       553xx        MN
## 1426       Source Verified May-2014 debt_consolidation       284xx        NC
## 1427       Source Verified Aug-2013 debt_consolidation       451xx        OH
## 1428       Source Verified Nov-2014   home_improvement       363xx        AL
## 1429       Source Verified Mar-2014              other       561xx        MN
## 1430       Source Verified Nov-2015   home_improvement       285xx        NC
## 1431       Source Verified Oct-2015   home_improvement       760xx        TX
## 1432       Source Verified Oct-2014   home_improvement       751xx        TX
## 1433       Source Verified Dec-2015              other       430xx        OH
## 1434          Not Verified Jul-2011                car       350xx        AL
## 1435          Not Verified Apr-2011                car       956xx        CA
## 1436          Not Verified Mar-2010                car       300xx        GA
## 1437          Not Verified Feb-2011        credit_card       010xx        MA
## 1438          Not Verified May-2012        credit_card       446xx        OH
## 1439          Not Verified Nov-2011 debt_consolidation       610xx        IL
## 1440          Not Verified Jul-2010 debt_consolidation       063xx        CT
## 1441          Not Verified Jun-2012   home_improvement       615xx        IL
## 1442          Not Verified Dec-2014   home_improvement       296xx        SC
## 1443          Not Verified Oct-2010     major_purchase       234xx        VA
## 1444          Not Verified Nov-2015   home_improvement       223xx        VA
## 1445          Not Verified Apr-2012 debt_consolidation       480xx        MI
## 1446          Not Verified Jun-2011     small_business       019xx        MA
## 1447          Not Verified Jun-2010     small_business       638xx        MO
## 1448          Not Verified Nov-2014        credit_card       672xx        KS
## 1449          Not Verified Oct-2015        credit_card       212xx        MD
## 1450          Not Verified Jan-2015        credit_card       100xx        NY
## 1451          Not Verified Oct-2015        credit_card       142xx        NY
## 1452          Not Verified Jul-2015 debt_consolidation       953xx        CA
## 1453          Not Verified Aug-2015 debt_consolidation       926xx        CA
## 1454          Not Verified Aug-2015 debt_consolidation       080xx        NJ
## 1455          Not Verified Oct-2015 debt_consolidation       922xx        CA
## 1456          Not Verified Feb-2015 debt_consolidation       170xx        PA
## 1457          Not Verified Sep-2015 debt_consolidation       681xx        NE
## 1458          Not Verified Apr-2015 debt_consolidation       481xx        MI
## 1459          Not Verified May-2011 debt_consolidation       240xx        VA
## 1460          Not Verified Mar-2015        credit_card       331xx        FL
## 1461          Not Verified May-2010 debt_consolidation       935xx        CA
## 1462          Not Verified Aug-2012 debt_consolidation       770xx        TX
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## 1463        Not Verified Aug-2015          credit_card  891xx          NV
## 1464        Not Verified Aug-2015 debt_consolidation  932xx          CA
## 1465        Not Verified Jul-2015 debt_consolidation  281xx          NC
## 1466        Not Verified Sep-2015 debt_consolidation  926xx          CA
## 1467        Not Verified May-2015               other  972xx          OR
## 1468        Not Verified Apr-2015            vacation  024xx          MA
## 1469        Not Verified Aug-2015 debt_consolidation  293xx          SC
## 1470        Not Verified Jan-2015 debt_consolidation  700xx          LA
## 1471        Not Verified Jul-2014    home_improvement  346xx          FL
## 1472        Not Verified Nov-2015    home_improvement  334xx          FL
## 1473        Not Verified Mar-2013               other  891xx          NV
## 1474        Not Verified Dec-2015          credit_card  773xx          TX
## 1475        Not Verified Dec-2015          credit_card  413xx          KY
## 1476        Not Verified Dec-2015 debt_consolidation  199xx          DE
## 1477        Not Verified Oct-2015          credit_card  142xx          NY
## 1478        Not Verified May-2015               other  321xx          FL
## 1479        Not Verified Jul-2014               other  347xx          CT
## 1480        Not Verified Mar-2013          credit_card  131xx          NY
## 1481        Not Verified Mar-2015 debt_consolidation  937xx          CA
## 1482        Not Verified Dec-2015          credit_card  161xx          PA
## 1483        Not Verified Nov-2015          credit_card  322xx          FL
## 1484        Not Verified Oct-2015 debt_consolidation  111xx          NY
## 1485        Not Verified Sep-2015 debt_consolidation  538xx          WI
## 1486        Not Verified Aug-2015 debt_consolidation  903xx          CA
## 1487        Not Verified Oct-2015 debt_consolidation  357xx          AL
## 1488        Not Verified Aug-2015 debt_consolidation  466xx          IN
## 1489        Not Verified May-2015 debt_consolidation  112xx          NY
## 1490        Not Verified Oct-2015             medical  853xx          AZ
## 1491        Not Verified Jun-2015              moving  921xx          CA
## 1492        Not Verified Jan-2012          credit_card  904xx          CA
## 1493        Not Verified Jul-2010 debt_consolidation  010xx          MA
## 1494        Not Verified Mar-2012             medical  077xx          NJ
## 1495        Not Verified Jan-2010               other  752xx          TX
## 1496        Not Verified Dec-2010            vacation  113xx          NY
## 1497        Not Verified Mar-2013                 car  631xx          MO
## 1498     Source Verified Sep-2013               other  088xx          NJ
## 1499     Source Verified Aug-2011    renewable_energy  324xx          FL
## 1500     Source Verified Jun-2015 debt_consolidation  352xx          AL
## 1501     Source Verified Mar-2015               other  236xx          VA
## 1502     Source Verified Dec-2013 debt_consolidation  970xx          OR
## 1503     Source Verified Aug-2013 debt_consolidation  260xx          WV
## 1504     Source Verified Jan-2015 debt_consolidation  327xx          FL
## 1505     Source Verified Jan-2015 debt_consolidation  561xx          MN
## 1506     Source Verified Aug-2014 debt_consolidation  290xx          SC
## 1507     Source Verified Mar-2015 debt_consolidation  493xx          MI
## 1508     Source Verified Mar-2015 debt_consolidation  637xx          MO
## 1509     Source Verified Oct-2015 debt_consolidation  163xx          PA
## 1510     Source Verified Oct-2014 debt_consolidation  338xx          FL
## 1511     Source Verified Oct-2015 debt_consolidation  917xx          CA
## 1512     Source Verified Aug-2015    home_improvement  983xx          WA
## 1513     Source Verified Aug-2015    home_improvement  706xx          LA
## 1514     Source Verified Oct-2014    home_improvement  018xx          MA
## 1515     Source Verified Jun-2014    home_improvement  321xx          FL
## 1516     Source Verified Aug-2014      major_purchase  335xx          FL
```

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## 1517    Source Verified Jan-2014              other  384xx   TN
## 1518    Source Verified Nov-2015              other  238xx   VA
## 1519    Source Verified Mar-2015        credit_card  462xx   IN
## 1520    Source Verified Feb-2013        credit_card  600xx   IL
## 1521    Source Verified Nov-2012 debt_consolidation  573xx   SD
## 1522    Source Verified Jul-2011 debt_consolidation  950xx   CA
## 1523    Source Verified Jul-2015 debt_consolidation  986xx   WA
## 1524    Source Verified Dec-2014              other  780xx   TX
## 1525    Source Verified Feb-2013        credit_card  061xx   CT
## 1526    Source Verified May-2015        credit_card  435xx   OH
## 1527    Source Verified Mar-2015 debt_consolidation  900xx   CA
## 1528    Source Verified Oct-2014 debt_consolidation  482xx   MI
## 1529    Source Verified Oct-2015 debt_consolidation  395xx   MS
## 1530    Source Verified Mar-2015 debt_consolidation  261xx   WV
## 1531    Source Verified Nov-2013   home_improvement  448xx   OH
## 1532    Source Verified May-2015   home_improvement  487xx   MI
## 1533    Source Verified Nov-2014   home_improvement  191xx   PA
## 1534    Source Verified Mar-2014              other  212xx   MD
## 1535    Source Verified Aug-2013              other  303xx   GA
## 1536    Source Verified Mar-2013        credit_card  758xx   TX
## 1537    Source Verified Feb-2012 debt_consolidation  200xx   DC
## 1538    Source Verified Aug-2012 debt_consolidation  719xx   AR
## 1539    Source Verified Sep-2012            wedding  101xx   NY
## 1540    Source Verified May-2015        credit_card  978xx   OR
## 1541    Source Verified Mar-2015        credit_card  983xx   WA
## 1542    Source Verified Mar-2014        credit_card  923xx   CA
## 1543    Source Verified Jan-2014        credit_card  130xx   NY
## 1544    Source Verified Nov-2014        credit_card  571xx   SD
## 1545    Source Verified Dec-2015        credit_card  863xx   AZ
## 1546    Source Verified Nov-2015        credit_card  926xx   CA
## 1547    Source Verified Mar-2014        credit_card  768xx   TX
## 1548    Source Verified Nov-2014        credit_card  891xx   NV
## 1549    Source Verified May-2015        credit_card  852xx   AZ
## 1550    Source Verified Nov-2015        credit_card  627xx   IL
## 1551    Source Verified Jul-2015        credit_card  431xx   OH
## 1552    Source Verified Jul-2015        credit_card  922xx   CA
## 1553    Source Verified Oct-2015        credit_card  483xx   MI
## 1554    Source Verified Apr-2015        credit_card  365xx   AL
## 1555    Source Verified Mar-2015        credit_card  917xx   CA
## 1556    Source Verified Dec-2015        credit_card  925xx   CA
## 1557    Source Verified May-2015        credit_card  170xx   PA
## 1558    Source Verified Mar-2015        credit_card  911xx   CA
## 1559    Source Verified Mar-2014        credit_card  284xx   NC
## 1560    Source Verified Dec-2015        credit_card  852xx   AZ
## 1561    Source Verified Apr-2015        credit_card  799xx   TX
## 1562    Source Verified Mar-2015        credit_card  805xx   CO
## 1563    Source Verified Jun-2014        credit_card  782xx   TX
## 1564    Source Verified Nov-2014        credit_card  312xx   GA
## 1565    Source Verified Apr-2015        credit_card  928xx   CA
## 1566    Source Verified Jan-2014        credit_card  278xx   NC
## 1567    Source Verified Oct-2014        credit_card  857xx   AZ
## 1568    Source Verified Apr-2014 debt_consolidation  984xx   WA
## 1569    Source Verified Jun-2014 debt_consolidation  070xx   NJ
## 1570    Source Verified Dec-2015 debt_consolidation  112xx   NY
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## 1571      Source Verified Sep-2013 debt_consolidation     902xx      CA
## 1572      Source Verified Mar-2015 debt_consolidation     166xx      PA
## 1573      Source Verified Oct-2014 debt_consolidation     923xx      CA
## 1574      Source Verified Dec-2014 debt_consolidation     921xx      CA
## 1575      Source Verified Dec-2015 debt_consolidation     114xx      NY
## 1576      Source Verified Sep-2015 debt_consolidation     078xx      NJ
## 1577      Source Verified May-2015 debt_consolidation     083xx      NJ
## 1578      Source Verified Oct-2015 debt_consolidation     922xx      CA
## 1579      Source Verified Jul-2015 debt_consolidation     070xx      NJ
## 1580      Source Verified Oct-2014 debt_consolidation     761xx      TX
## 1581      Source Verified Mar-2015 debt_consolidation     344xx      FL
## 1582      Source Verified May-2015 debt_consolidation     750xx      TX
## 1583      Source Verified Jul-2015     major_purchase     968xx      HI
## 1584      Source Verified Oct-2015     major_purchase     170xx      PA
## 1585      Source Verified Mar-2015     major_purchase     071xx      NJ
## 1586      Source Verified Mar-2015              other     299xx      SC
## 1587      Source Verified Dec-2015              other     945xx      CA
## 1588      Source Verified Apr-2015              other     971xx      OR
## 1589      Source Verified Aug-2014           vacation     100xx      NY
## 1590      Source Verified Nov-2012        credit_card     953xx      CA
## 1591      Source Verified Jul-2014        credit_card     466xx      IN
## 1592      Source Verified Sep-2014 debt_consolidation     148xx      NY
## 1593      Source Verified Jun-2014 debt_consolidation     103xx      NY
## 1594      Source Verified Mar-2015 debt_consolidation     760xx      TX
## 1595      Source Verified Nov-2014     major_purchase     112xx      NY
## 1596      Source Verified Apr-2015           vacation     944xx      CA
## 1597         Not Verified May-2015 debt_consolidation     064xx      CT
## 1598         Not Verified Aug-2015 debt_consolidation     981xx      WA
## 1599      Source Verified Oct-2011        credit_card     325xx      FL
## 1600      Source Verified Dec-2013 debt_consolidation     342xx      FL
## 1601      Source Verified Nov-2013 debt_consolidation     497xx      MI
## 1602      Source Verified Sep-2014        credit_card     105xx      NY
## 1603      Source Verified Dec-2014        credit_card     959xx      CA
## 1604      Source Verified Mar-2014        credit_card     310xx      GA
## 1605      Source Verified Nov-2013        credit_card     553xx      MN
## 1606      Source Verified Jan-2014        credit_card     063xx      CT
## 1607      Source Verified Apr-2013        credit_card     672xx      KS
## 1608      Source Verified Aug-2013        credit_card     751xx      TX
## 1609      Source Verified Oct-2014        credit_card     950xx      CA
## 1610      Source Verified Apr-2015        credit_card     890xx      NV
## 1611      Source Verified May-2014        credit_card     301xx      GA
## 1612      Source Verified Nov-2015        credit_card     402xx      KY
## 1613      Source Verified Feb-2015        credit_card     958xx      CA
## 1614      Source Verified Sep-2014        credit_card     197xx      DE
## 1615      Source Verified Jun-2013 debt_consolidation     377xx      TN
## 1616      Source Verified Aug-2013 debt_consolidation     770xx      TX
## 1617      Source Verified Nov-2013 debt_consolidation     234xx      VA
## 1618      Source Verified Feb-2014 debt_consolidation     310xx      GA
## 1619      Source Verified Sep-2014 debt_consolidation     549xx      WI
## 1620      Source Verified Nov-2014 debt_consolidation     540xx      WI
## 1621      Source Verified Dec-2015 debt_consolidation     773xx      TX
## 1622      Source Verified Nov-2014   home_improvement     960xx      CA
## 1623      Source Verified Jul-2014        credit_card     920xx      CA
## 1624      Source Verified Dec-2012        credit_card     945xx      CA
```

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## 1625      Source Verified Oct-2013         credit_card      972xx      OR
## 1626      Source Verified Nov-2013         credit_card      226xx      VA
## 1627      Source Verified Jan-2012         credit_card      070xx      NJ
## 1628      Source Verified Sep-2013         credit_card      851xx      AZ
## 1629      Source Verified Dec-2012         credit_card      863xx      AZ
## 1630      Source Verified Aug-2014         credit_card      347xx      FL
## 1631      Source Verified Jan-2011 debt_consolidation       115xx      NY
## 1632      Source Verified Aug-2012 debt_consolidation       078xx      NJ
## 1633      Source Verified Oct-2012 debt_consolidation       850xx      AZ
## 1634      Source Verified Jul-2013 debt_consolidation       451xx      OH
## 1635      Source Verified Jul-2012 debt_consolidation       112xx      NY
## 1636      Source Verified Oct-2014 debt_consolidation       351xx      AL
## 1637      Source Verified Jul-2011 debt_consolidation       334xx      FL
## 1638      Source Verified May-2012    home_improvement       953xx      CA
## 1639      Source Verified Apr-2012    home_improvement       773xx      TX
## 1640      Source Verified Apr-2012    home_improvement       993xx      WA
## 1641      Source Verified Sep-2011    home_improvement       341xx      FL
## 1642      Source Verified Feb-2012    home_improvement       537xx      WI
## 1643      Source Verified Aug-2012     major_purchase        150xx      PA
## 1644      Source Verified Jun-2012              other        850xx      AZ
## 1645      Source Verified Sep-2014     small_business        799xx      TX
## 1646      Source Verified May-2012     small_business        988xx      WA
## 1647      Source Verified Oct-2014         credit_card       212xx      MD
## 1648      Source Verified Nov-2013         credit_card       925xx      CA
## 1649      Source Verified Feb-2013 debt_consolidation       606xx      IL
## 1650      Source Verified Mar-2013 debt_consolidation       140xx      NY
## 1651      Source Verified Jan-2013 debt_consolidation       306xx      GA
## 1652      Source Verified Aug-2012    home_improvement       344xx      FL
## 1653      Source Verified Apr-2012     major_purchase        853xx      AZ
## 1654      Source Verified Aug-2010     small_business        891xx      NV
## 1655         Not Verified Jan-2011         credit_card       719xx      AR
## 1656         Not Verified Sep-2012 debt_consolidation       801xx      CO
## 1657         Not Verified Sep-2012             moving        972xx      OR
## 1658      Source Verified Apr-2015         credit_card       937xx      CA
## 1659      Source Verified Sep-2015         credit_card       015xx      MA
## 1660      Source Verified Dec-2014         credit_card       220xx      VA
## 1661      Source Verified Mar-2015         credit_card       206xx      MD
## 1662      Source Verified Sep-2014         credit_card       355xx      AL
## 1663      Source Verified Aug-2015         credit_card       945xx      CA
## 1664      Source Verified May-2015         credit_card       295xx      SC
## 1665      Source Verified Dec-2014         credit_card       333xx      FL
## 1666      Source Verified Jun-2013         credit_card       350xx      AL
## 1667      Source Verified Jul-2015         credit_card       486xx      MI
## 1668      Source Verified May-2014         credit_card       605xx      IL
## 1669      Source Verified Oct-2013         credit_card       740xx      OK
## 1670      Source Verified Nov-2015         credit_card       973xx      OR
## 1671      Source Verified Mar-2014         credit_card       740xx      OK
## 1672      Source Verified Feb-2015         credit_card       402xx      KY
## 1673      Source Verified Feb-2015         credit_card       070xx      NJ
## 1674      Source Verified Mar-2015         credit_card       612xx      IL
## 1675      Source Verified Aug-2014         credit_card       144xx      NY
## 1676      Source Verified Jul-2015 debt_consolidation       315xx      GA
## 1677      Source Verified Feb-2015 debt_consolidation       559xx      MN
## 1678      Source Verified Jun-2015 debt_consolidation       780xx      TX
```

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## 1679      Source Verified Nov-2014 debt_consolidation    949xx    CA
## 1680      Source Verified Oct-2014 debt_consolidation    327xx    FL
## 1681      Source Verified Dec-2013 debt_consolidation    870xx    NM
## 1682      Source Verified Jun-2013 debt_consolidation    546xx    WI
## 1683      Source Verified Jan-2015 debt_consolidation    025xx    MA
## 1684      Source Verified Dec-2013 debt_consolidation    284xx    NC
## 1685      Source Verified Jun-2015 debt_consolidation    145xx    NY
## 1686      Source Verified Sep-2014 debt_consolidation    442xx    OH
## 1687      Source Verified Jul-2015 debt_consolidation    550xx    MN
## 1688      Source Verified Dec-2014 debt_consolidation    922xx    CA
## 1689      Source Verified Mar-2013 debt_consolidation    347xx    FL
## 1690      Source Verified Jul-2015 debt_consolidation    300xx    GA
## 1691      Source Verified Jul-2015 debt_consolidation    089xx    NJ
## 1692      Source Verified Apr-2015 debt_consolidation    925xx    CA
## 1693      Source Verified Apr-2015 debt_consolidation    015xx    MA
## 1694      Source Verified May-2015 debt_consolidation    329xx    FL
## 1695      Source Verified Aug-2014 debt_consolidation    959xx    CA
## 1696      Source Verified Jul-2015 debt_consolidation    925xx    CA
## 1697      Source Verified Mar-2015 debt_consolidation    181xx    PA
## 1698      Source Verified Nov-2013 debt_consolidation    152xx    PA
## 1699      Source Verified Nov-2014 debt_consolidation    376xx    TN
## 1700      Source Verified Jun-2015 debt_consolidation    781xx    TX
## 1701      Source Verified Nov-2013 debt_consolidation    956xx    CA
## 1702      Source Verified Jun-2015 debt_consolidation    462xx    IN
## 1703      Source Verified Jun-2015 debt_consolidation    641xx    MO
## 1704      Source Verified Jun-2015    home_improvement    604xx    IL
## 1705      Source Verified Sep-2015    home_improvement    764xx    TX
## 1706      Source Verified Jul-2013    home_improvement    931xx    CA
## 1707      Source Verified Sep-2013    home_improvement    780xx    TX
## 1708      Source Verified Sep-2015    home_improvement    131xx    NY
## 1709      Source Verified Oct-2014      major_purchase    346xx    FL
## 1710      Source Verified Jun-2014      major_purchase    191xx    PA
## 1711      Source Verified Aug-2014               other    804xx    CO
## 1712      Source Verified Oct-2012         credit_card    720xx    AR
## 1713      Source Verified Oct-2013         credit_card    925xx    CA
## 1714      Source Verified Feb-2014         credit_card    925xx    CA
## 1715      Source Verified Jan-2013         credit_card    847xx    UT
## 1716      Source Verified Apr-2013         credit_card    083xx    NJ
## 1717      Source Verified Apr-2013         credit_card    301xx    GA
## 1718      Source Verified Aug-2014         credit_card    826xx    WY
## 1719      Source Verified Jul-2014         credit_card    481xx    MI
## 1720      Source Verified Oct-2012         credit_card    367xx    AL
## 1721      Source Verified Nov-2012         credit_card    245xx    VA
## 1722      Source Verified Jul-2013 debt_consolidation    456xx    OH
## 1723      Source Verified Feb-2014 debt_consolidation    773xx    TX
## 1724      Source Verified Oct-2014 debt_consolidation    852xx    AZ
## 1725      Source Verified Nov-2012 debt_consolidation    945xx    CA
## 1726      Source Verified Dec-2013 debt_consolidation    875xx    NM
## 1727      Source Verified Jan-2014 debt_consolidation    853xx    AZ
## 1728      Source Verified Feb-2014 debt_consolidation    925xx    CA
## 1729      Source Verified Nov-2012 debt_consolidation    958xx    CA
## 1730      Source Verified Sep-2012 debt_consolidation    810xx    CO
## 1731      Source Verified Oct-2012 debt_consolidation    430xx    OH
## 1732      Source Verified Oct-2013 debt_consolidation    087xx    NJ
```

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## 1733    Source Verified Sep-2014 debt_consolidation    958xx    CA
## 1734    Source Verified Apr-2014 debt_consolidation    495xx    MI
## 1735    Source Verified Jun-2012 debt_consolidation    490xx    MI
## 1736    Source Verified Jun-2013 debt_consolidation    891xx    NV
## 1737    Source Verified Aug-2014 debt_consolidation    787xx    TX
## 1738    Source Verified Apr-2012      major_purchase    320xx    FL
## 1739    Source Verified Apr-2013      major_purchase    480xx    MI
## 1740    Source Verified Mar-2015               other    342xx    FL
## 1741    Source Verified Oct-2013    home_improvement    924xx    CA
## 1742    Source Verified Jul-2014 debt_consolidation    773xx    TX
## 1743    Source Verified Apr-2015         credit_card    741xx    OK
## 1744    Source Verified Jun-2013 debt_consolidation    150xx    PA
## 1745    Source Verified Jul-2012 debt_consolidation    142xx    NY
## 1746    Source Verified Feb-2014 debt_consolidation    333xx    FL
## 1747       Not Verified Feb-2014 debt_consolidation    853xx    AZ
## 1748       Not Verified May-2011 debt_consolidation    660xx    KS
## 1749       Not Verified Jun-2010    home_improvement    564xx    MN
## 1750       Not Verified Dec-2011    home_improvement    770xx    TX
## 1751       Not Verified Jul-2013            vacation    402xx    KY
## 1752       Not Verified Sep-2015 debt_consolidation    481xx    MI
## 1753       Not Verified Sep-2015 debt_consolidation    275xx    NC
## 1754       Not Verified Jul-2015 debt_consolidation    191xx    PA
## 1755       Not Verified Feb-2013 debt_consolidation    471xx    IN
## 1756       Not Verified Jul-2013             medical    120xx    NY
## 1757       Not Verified Nov-2015 debt_consolidation    308xx    GA
## 1758       Not Verified Sep-2015               house    470xx    IN
## 1759       Not Verified Aug-2015 debt_consolidation    157xx    PA
## 1760       Not Verified Oct-2015               other    341xx    FL
## 1761       Not Verified Feb-2013         credit_card    850xx    AZ
## 1762       Not Verified May-2014         credit_card    919xx    CA
## 1763       Not Verified Dec-2015             medical    117xx    NY
## 1764       Not Verified Dec-2015      major_purchase    444xx    OH
## 1765    Source Verified Jul-2015         credit_card    151xx    PA
## 1766    Source Verified Jul-2014         credit_card    961xx    CA
## 1767    Source Verified Nov-2015         credit_card    907xx    CA
## 1768    Source Verified Aug-2015         credit_card    802xx    CO
## 1769    Source Verified Aug-2015         credit_card    100xx    NY
## 1770    Source Verified May-2015         credit_card    033xx    NH
## 1771    Source Verified May-2015         credit_card    245xx    VA
## 1772    Source Verified Feb-2015         credit_card    930xx    CA
## 1773    Source Verified Jul-2015         credit_card    950xx    CA
## 1774    Source Verified Sep-2015         credit_card    802xx    CO
## 1775    Source Verified Oct-2015         credit_card    891xx    NV
## 1776    Source Verified Apr-2014         credit_card    282xx    NC
## 1777    Source Verified Nov-2014         credit_card    805xx    CO
## 1778    Source Verified Dec-2015         credit_card    790xx    TX
## 1779    Source Verified Jan-2015         credit_card    395xx    MS
## 1780    Source Verified Jun-2015 debt_consolidation    770xx    TX
## 1781    Source Verified Nov-2015 debt_consolidation    276xx    NC
## 1782    Source Verified Nov-2013 debt_consolidation    077xx    NJ
## 1783    Source Verified Oct-2015 debt_consolidation    372xx    TN
## 1784    Source Verified Jul-2015 debt_consolidation    341xx    FL
## 1785    Source Verified May-2015 debt_consolidation    923xx    CA
## 1786    Source Verified Dec-2015 debt_consolidation    853xx    AZ
```

```
## 1787     Source Verified Mar-2014 debt_consolidation     977xx        OR
## 1788     Source Verified Oct-2014 debt_consolidation     900xx        CA
## 1789     Source Verified Apr-2014 debt_consolidation     936xx        CA
## 1790     Source Verified May-2015 debt_consolidation     070xx        NJ
## 1791     Source Verified Feb-2015 debt_consolidation     103xx        NY
## 1792     Source Verified Jan-2015 debt_consolidation     346xx        FL
## 1793     Source Verified Aug-2015 debt_consolidation     064xx        CT
## 1794     Source Verified Jun-2015 debt_consolidation     928xx        CA
## 1795     Source Verified May-2015 debt_consolidation     331xx        FL
## 1796     Source Verified Aug-2013   home_improvement     480xx        MI
## 1797     Source Verified Jan-2015   home_improvement     954xx        CA
## 1798     Source Verified Dec-2015 debt_consolidation     151xx        PA
## 1799     Source Verified Dec-2015 debt_consolidation     913xx        CA
## 1800     Source Verified Oct-2014 debt_consolidation     940xx        CA
## 1801     Source Verified Jul-2015 debt_consolidation     563xx        MN
## 1802     Source Verified Jun-2015 debt_consolidation     863xx        AZ
## 1803     Source Verified Jul-2014 debt_consolidation     295xx        SC
## 1804     Source Verified Sep-2014 debt_consolidation     890xx        NV
## 1805     Source Verified Sep-2015 debt_consolidation     972xx        OR
## 1806     Source Verified Apr-2015 debt_consolidation     923xx        CA
## 1807     Source Verified Aug-2015             moving     908xx        CA
## 1808     Source Verified Aug-2013             moving     902xx        CA
## 1809     Source Verified Nov-2015             moving     432xx        OH
## 1810     Source Verified Oct-2012        credit_card     070xx        NJ
## 1811     Source Verified Oct-2014 debt_consolidation     551xx        MN
## 1812     Source Verified Mar-2014 debt_consolidation     841xx        UT
## 1813     Source Verified Aug-2014 debt_consolidation     919xx        CA
## 1814     Source Verified Nov-2015 debt_consolidation     814xx        CO
## 1815     Source Verified Feb-2015 debt_consolidation     407xx        KY
## 1816     Source Verified Jun-2014             moving     936xx        CA
## 1817     Source Verified Jul-2015              other     925xx        CA
## 1818     Source Verified May-2015 debt_consolidation     146xx        NY
## 1819     Source Verified May-2014     small_business     850xx        AZ
## 1820     Source Verified Sep-2014        credit_card     891xx        NV
## 1821            Verified Dec-2015        credit_card     421xx        KY
## 1822            Verified Dec-2015        credit_card     970xx        OR
## 1823            Verified Dec-2015        credit_card     951xx        CA
## 1824            Verified Dec-2015 debt_consolidation     134xx        NY
## 1825            Verified Dec-2015 debt_consolidation     913xx        CA
## 1826            Verified Dec-2015        credit_card     321xx        FL
## 1827            Verified Dec-2015        credit_card     852xx        AZ
## 1828        Not Verified Sep-2012 debt_consolidation     104xx        NY
## 1829        Not Verified May-2012 debt_consolidation     320xx        FL
## 1830        Not Verified Jan-2011            medical     180xx        PA
## 1831        Not Verified Jul-2012              other     850xx        AZ
## 1832        Not Verified Sep-2015        credit_card     214xx        MD
## 1833        Not Verified Sep-2015        credit_card     146xx        NY
## 1834        Not Verified Oct-2015        credit_card     917xx        CA
## 1835        Not Verified Sep-2014        credit_card     073xx        NJ
## 1836        Not Verified Apr-2015 debt_consolidation     904xx        CA
## 1837        Not Verified Oct-2015 debt_consolidation     105xx        NY
## 1838        Not Verified Aug-2015 debt_consolidation     852xx        AZ
## 1839        Not Verified Jul-2015 debt_consolidation     028xx        RI
## 1840        Not Verified Aug-2015     major_purchase     322xx        FL
```

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## 1841        Source Verified Dec-2015 debt_consolidation         379xx        TN
## 1842        Source Verified May-2015 debt_consolidation         604xx        IL
## 1843               Verified Mar-2015                 car         220xx        VA
## 1844               Verified May-2014         credit_card         952xx        CA
## 1845               Verified Mar-2015         credit_card         617xx        IL
## 1846               Verified Feb-2014         credit_card         215xx        MD
## 1847               Verified Mar-2015         credit_card         486xx        MI
## 1848               Verified Jun-2015         credit_card         196xx        PA
## 1849               Verified Feb-2013         credit_card         171xx        PA
## 1850               Verified Mar-2014         credit_card         985xx        WA
## 1851               Verified Jul-2014         credit_card         880xx        NM
## 1852               Verified Mar-2015         credit_card         144xx        NY
## 1853               Verified Nov-2015         credit_card         118xx        NY
## 1854               Verified May-2014         credit_card         441xx        OH
## 1855               Verified May-2015         credit_card         770xx        TX
## 1856               Verified Apr-2015         credit_card         232xx        VA
## 1857               Verified Apr-2014         credit_card         991xx        WA
## 1858               Verified Dec-2015         credit_card         481xx        MI
## 1859               Verified Feb-2013         credit_card         180xx        PA
## 1860               Verified Oct-2015         credit_card         060xx        CT
## 1861               Verified Oct-2014         credit_card         337xx        FL
## 1862               Verified Jan-2014         credit_card         317xx        GA
## 1863               Verified Oct-2014         credit_card         305xx        GA
## 1864               Verified Mar-2015         credit_card         594xx        MT
## 1865               Verified Apr-2015         credit_card         088xx        NJ
## 1866               Verified Apr-2015         credit_card         726xx        AR
## 1867               Verified Oct-2015         credit_card         620xx        IL
## 1868               Verified Jul-2014         credit_card         362xx        AL
## 1869               Verified May-2014         credit_card         481xx        MI
## 1870               Verified Oct-2014         credit_card         806xx        CO
## 1871               Verified Jul-2015         credit_card         117xx        NY
## 1872               Verified Oct-2013         credit_card         115xx        NY
## 1873               Verified Jul-2014         credit_card         975xx        OR
## 1874               Verified Feb-2015         credit_card         331xx        FL
## 1875               Verified May-2014         credit_card         212xx        MD
## 1876               Verified Oct-2015         credit_card         483xx        MI
## 1877               Verified Jul-2015         credit_card         112xx        NY
## 1878               Verified Dec-2015         credit_card         015xx        MA
## 1879               Verified Jun-2013         credit_card         292xx        SC
## 1880               Verified May-2015         credit_card         474xx        IN
## 1881               Verified Oct-2014         credit_card         495xx        MI
## 1882               Verified Oct-2015         credit_card         993xx        WA
## 1883               Verified Oct-2015         credit_card         152xx        PA
## 1884               Verified Feb-2015         credit_card         287xx        NC
## 1885               Verified Jul-2015         credit_card         945xx        CA
## 1886               Verified Oct-2015         credit_card         864xx        AZ
## 1887               Verified Nov-2015         credit_card         956xx        CA
## 1888               Verified Jan-2015         credit_card         420xx        KY
## 1889               Verified Feb-2015         credit_card         028xx        RI
## 1890               Verified Feb-2015         credit_card         647xx        MO
## 1891               Verified Aug-2014         credit_card         109xx        NY
## 1892               Verified May-2015         credit_card         729xx        AR
## 1893               Verified Jul-2014         credit_card         810xx        CO
## 1894               Verified Aug-2014         credit_card         330xx        FL
```

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## 1895                 Verified Nov-2013        credit_card        601xx        IL
## 1896                 Verified Nov-2015 debt_consolidation        424xx        KY
## 1897                 Verified Mar-2014 debt_consolidation        166xx        PA
## 1898                 Verified Jul-2015 debt_consolidation        325xx        FL
## 1899                 Verified Aug-2015 debt_consolidation        334xx        FL
## 1900                 Verified Jun-2014 debt_consolidation        600xx        IL
## 1901                 Verified Apr-2013 debt_consolidation        011xx        MA
## 1902                 Verified Nov-2015 debt_consolidation        657xx        MO
## 1903                 Verified Nov-2015 debt_consolidation        890xx        NV
## 1904                 Verified May-2015 debt_consolidation        430xx        OH
## 1905                 Verified Oct-2015 debt_consolidation        296xx        SC
## 1906                 Verified Dec-2015 debt_consolidation        462xx        IN
## 1907                 Verified Nov-2015 debt_consolidation        890xx        NV
## 1908                 Verified Oct-2015 debt_consolidation        131xx        NY
## 1909                 Verified Mar-2015 debt_consolidation        430xx        OH
## 1910                 Verified Jan-2015 debt_consolidation        535xx        WI
## 1911                 Verified Jul-2015 debt_consolidation        925xx        CA
## 1912                 Verified Oct-2014 debt_consolidation        469xx        IN
## 1913                 Verified Jun-2015 debt_consolidation        486xx        MI
## 1914                 Verified Oct-2015 debt_consolidation        152xx        PA
## 1915                 Verified Apr-2015 debt_consolidation        727xx        AR
## 1916                 Verified Sep-2014 debt_consolidation        853xx        AZ
## 1917                 Verified Oct-2015 debt_consolidation        923xx        CA
## 1918                 Verified Feb-2015 debt_consolidation        342xx        FL
## 1919                 Verified Nov-2015 debt_consolidation        207xx        MD
## 1920                 Verified Oct-2015 debt_consolidation        393xx        MS
## 1921                 Verified Jul-2015 debt_consolidation        890xx        NV
## 1922                 Verified Nov-2014 debt_consolidation        980xx        WA
## 1923                 Verified Jan-2013 debt_consolidation        086xx        NJ
## 1924                 Verified Aug-2014 debt_consolidation        542xx        WI
## 1925                 Verified Dec-2015 debt_consolidation        081xx        NJ
## 1926                 Verified Jan-2015 debt_consolidation        241xx        VA
## 1927                 Verified Oct-2015 debt_consolidation        368xx        AL
## 1928                 Verified Oct-2015 debt_consolidation        958xx        CA
## 1929                 Verified Oct-2015 debt_consolidation        347xx        FL
## 1930                 Verified May-2015 debt_consolidation        786xx        TX
## 1931                 Verified Apr-2015 debt_consolidation        761xx        TX
## 1932                 Verified Jun-2013 debt_consolidation        373xx        TN
## 1933                 Verified May-2015 debt_consolidation        335xx        FL
## 1934                 Verified Oct-2014 debt_consolidation        547xx        WI
## 1935                 Verified Aug-2015 debt_consolidation        906xx        CA
## 1936                 Verified Nov-2015 debt_consolidation        329xx        FL
## 1937                 Verified Aug-2013 debt_consolidation        347xx        FL
## 1938                 Verified Nov-2014 debt_consolidation        474xx        IN
## 1939                 Verified Nov-2015 debt_consolidation        370xx        TN
## 1940                 Verified Jun-2013 debt_consolidation        791xx        TX
## 1941                 Verified Oct-2015 debt_consolidation        622xx        IL
## 1942                 Verified Jul-2014 debt_consolidation        128xx        NY
## 1943                 Verified Nov-2015 debt_consolidation        368xx        AL
## 1944                 Verified Jan-2014 debt_consolidation        810xx        CO
## 1945                 Verified Oct-2015 debt_consolidation        890xx        NV
## 1946                 Verified Oct-2015 debt_consolidation        334xx        FL
## 1947                 Verified Jun-2015 debt_consolidation        432xx        OH
## 1948                 Verified Jul-2015 debt_consolidation        935xx        CA
```

```
## 1949               Verified Sep-2015 debt_consolidation    242xx        VA
## 1950               Verified Jun-2014 debt_consolidation    917xx        CA
## 1951               Verified Oct-2014 debt_consolidation    197xx        DE
## 1952               Verified Jul-2015 debt_consolidation    207xx        MD
## 1953               Verified Jul-2015 debt_consolidation    433xx        OH
## 1954               Verified Oct-2013 debt_consolidation    986xx        WA
## 1955               Verified Apr-2015 debt_consolidation    553xx        MN
## 1956               Verified Oct-2015 debt_consolidation    057xx        VT
## 1957               Verified Dec-2015 debt_consolidation    174xx        PA
## 1958               Verified Nov-2015 debt_consolidation    462xx        IN
## 1959               Verified Sep-2015 debt_consolidation    481xx        MI
## 1960               Verified Nov-2015 debt_consolidation    925xx        CA
## 1961               Verified Aug-2014 debt_consolidation    080xx        NJ
## 1962               Verified Jun-2015 debt_consolidation    067xx        CT
## 1963               Verified Nov-2015 debt_consolidation    494xx        MI
## 1964               Verified Oct-2015 debt_consolidation    956xx        CA
## 1965               Verified May-2015 debt_consolidation    751xx        TX
## 1966               Verified Aug-2015 debt_consolidation    973xx        OR
## 1967               Verified Feb-2014 debt_consolidation    995xx        AK
## 1968               Verified Apr-2015 debt_consolidation    431xx        OH
## 1969               Verified Nov-2015 debt_consolidation    234xx        VA
## 1970               Verified May-2014 debt_consolidation    553xx        MN
## 1971               Verified Jul-2014 debt_consolidation    070xx        NJ
## 1972               Verified Dec-2013 debt_consolidation    385xx        TN
## 1973               Verified Apr-2014 debt_consolidation    760xx        TX
## 1974               Verified Nov-2015 debt_consolidation    354xx        AL
## 1975               Verified Dec-2015 debt_consolidation    141xx        NY
## 1976               Verified Jun-2014 debt_consolidation    114xx        NY
## 1977               Verified Jun-2015 debt_consolidation    782xx        TX
## 1978               Verified Jan-2014 debt_consolidation    013xx        MA
## 1979               Verified May-2015 debt_consolidation    786xx        TX
## 1980               Verified Jul-2015    home_improvement    775xx        TX
## 1981               Verified May-2014    home_improvement    796xx        TX
## 1982               Verified Oct-2015    home_improvement    920xx        CA
## 1983               Verified May-2014    home_improvement    342xx        FL
## 1984               Verified Aug-2013    home_improvement    853xx        AZ
## 1985               Verified Sep-2015    home_improvement    338xx        FL
## 1986               Verified Nov-2015    home_improvement    890xx        NV
## 1987               Verified Dec-2015    home_improvement    773xx        TX
## 1988               Verified Feb-2015    home_improvement    857xx        AZ
## 1989               Verified Oct-2015    home_improvement    425xx        KY
## 1990               Verified Jul-2014    home_improvement    548xx        WI
## 1991               Verified Nov-2013    home_improvement    919xx        CA
## 1992               Verified Nov-2015             medical    287xx        NC
## 1993               Verified Oct-2015             medical    112xx        NY
## 1994               Verified Oct-2015             medical    844xx        UT
## 1995               Verified Dec-2015               other    729xx        AR
## 1996               Verified Dec-2015               other    480xx        MI
## 1997               Verified Aug-2014               other    296xx        SC
## 1998               Verified Dec-2015               other    600xx        IL
## 1999               Verified Jul-2013 debt_consolidation    850xx        AZ
## 2000               Verified Jul-2015         credit_card    604xx        IL
## 2001               Verified Apr-2014         credit_card    864xx        AZ
## 2002               Verified Sep-2014         credit_card    395xx        MS
```

```
## 2003          Verified Feb-2014        credit_card  935xx    CA
## 2004          Verified May-2014        credit_card  670xx    KS
## 2005          Verified Feb-2013        credit_card  913xx    CA
## 2006          Verified Mar-2014 debt_consolidation  619xx    IL
## 2007          Verified May-2013 debt_consolidation  605xx    IL
## 2008          Verified Feb-2013 debt_consolidation  294xx    SC
## 2009          Verified Jul-2014 debt_consolidation  894xx    NV
## 2010          Verified Feb-2015 debt_consolidation  117xx    NY
## 2011          Verified Apr-2014 debt_consolidation  974xx    OR
## 2012          Verified Jul-2014 debt_consolidation  726xx    AR
## 2013          Verified Apr-2015 debt_consolidation  489xx    MI
## 2014          Verified Jan-2014 debt_consolidation  801xx    CO
## 2015          Verified Feb-2015 debt_consolidation  104xx    NY
## 2016          Verified Nov-2012 debt_consolidation  454xx    OH
## 2017          Verified Dec-2012 debt_consolidation  917xx    CA
## 2018          Verified Oct-2013 debt_consolidation  358xx    AL
## 2019          Verified Jan-2015 debt_consolidation  609xx    IL
## 2020          Verified Oct-2013   home_improvement  373xx    TN
## 2021          Verified Jul-2014   home_improvement  970xx    OR
## 2022          Verified Nov-2015   home_improvement  757xx    TX
## 2023          Verified Dec-2013     major_purchase  065xx    CT
## 2024          Verified Aug-2013           vacation  988xx    WA
## 2025          Verified Dec-2015 debt_consolidation  891xx    NV
## 2026          Verified May-2015 debt_consolidation  334xx    FL
## 2027          Verified May-2015 debt_consolidation  563xx    MN
## 2028          Verified May-2015 debt_consolidation  381xx    TN
## 2029          Verified Jan-2014        credit_card  200xx    DC
## 2030          Verified Mar-2014        credit_card  398xx    GA
## 2031          Verified Oct-2015 debt_consolidation  398xx    GA
## 2032          Verified Jul-2015   home_improvement  398xx    GA
## 2033          Verified Dec-2015              other  403xx    KY
## 2034          Verified Dec-2015 debt_consolidation  894xx    NV
## 2035          Verified Dec-2015   home_improvement  990xx    WA
## 2036          Verified Dec-2015 debt_consolidation  080xx    NJ
## 2037          Verified Dec-2015 debt_consolidation  484xx    MI
## 2038          Verified Jul-2014        credit_card  735xx    OK
## 2039          Verified Mar-2015        credit_card  280xx    NC
## 2040          Verified Apr-2014        credit_card  922xx    CA
## 2041          Verified Feb-2015        credit_card  325xx    FL
## 2042          Verified Feb-2013 debt_consolidation  322xx    FL
## 2043          Verified Mar-2014 debt_consolidation  130xx    NY
## 2044          Verified Jun-2014 debt_consolidation  373xx    TN
## 2045          Verified Jun-2014 debt_consolidation  647xx    MO
## 2046          Verified Aug-2013 debt_consolidation  302xx    GA
## 2047          Verified Apr-2014   home_improvement  748xx    OK
## 2048          Verified Jun-2013   home_improvement  344xx    FL
## 2049          Verified Feb-2014     small_business  370xx    TN
## 2050          Verified Mar-2013     small_business  100xx    NY
## 2051      Not Verified Mar-2010        credit_card  131xx    NY
## 2052      Not Verified Mar-2012        credit_card  184xx    PA
## 2053      Not Verified Aug-2011 debt_consolidation  900xx    CA
## 2054      Not Verified May-2012   home_improvement  087xx    NJ
## 2055      Not Verified Mar-2010   home_improvement  633xx    MO
## 2056      Not Verified Oct-2012     major_purchase  850xx    AZ
```

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## 2057         Not Verified Nov-2011               other   433xx        OH
## 2058         Not Verified Sep-2015                 car   640xx        MO
## 2059         Not Verified Dec-2012 debt_consolidation   131xx        NY
## 2060         Not Verified Aug-2015         credit_card   620xx        IL
## 2061         Not Verified Oct-2015         credit_card   926xx        CA
## 2062         Not Verified Sep-2015 debt_consolidation   147xx        NY
## 2063         Not Verified Dec-2015 debt_consolidation   890xx        NV
## 2064         Not Verified Oct-2015 debt_consolidation   196xx        PA
## 2065         Not Verified Dec-2015 debt_consolidation   566xx        MN
## 2066         Not Verified Jul-2015 debt_consolidation   077xx        NJ
## 2067         Not Verified Sep-2015    home_improvement   531xx        WI
## 2068         Not Verified Sep-2015               other   464xx        IN
## 2069         Not Verified Aug-2010    home_improvement   750xx        TX
## 2070         Not Verified Jan-2011         credit_card   103xx        NY
## 2071         Not Verified Mar-2012         credit_card   346xx        FL
## 2072         Not Verified Feb-2012 debt_consolidation   321xx        FL
## 2073         Not Verified Aug-2014 debt_consolidation   175xx        PA
## 2074         Not Verified Jun-2010 debt_consolidation   724xx        AR
## 2075         Not Verified Sep-2015 debt_consolidation   331xx        FL
## 2076         Not Verified Jun-2015 debt_consolidation   980xx        WA
## 2077         Not Verified Dec-2015 debt_consolidation   338xx        FL
## 2078         Not Verified Sep-2015                 car   775xx        TX
## 2079         Not Verified Oct-2015         credit_card   110xx        NY
## 2080         Not Verified Oct-2015         credit_card   751xx        TX
## 2081         Not Verified Nov-2015         credit_card   890xx        NV
## 2082         Not Verified Jul-2015         credit_card   152xx        PA
## 2083         Not Verified Nov-2015         credit_card   749xx        OK
## 2084         Not Verified Apr-2015         credit_card   262xx        WV
## 2085         Not Verified Nov-2015         credit_card   952xx        CA
## 2086         Not Verified Nov-2015         credit_card   306xx        GA
## 2087         Not Verified Jul-2015         credit_card   902xx        CA
## 2088         Not Verified Oct-2015         credit_card   480xx        MI
## 2089         Not Verified Jul-2015 debt_consolidation   276xx        NC
## 2090         Not Verified Oct-2015 debt_consolidation   078xx        NJ
## 2091         Not Verified Aug-2015 debt_consolidation   945xx        CA
## 2092         Not Verified Aug-2015 debt_consolidation   936xx        CA
## 2093         Not Verified Jul-2015 debt_consolidation   843xx        UT
## 2094         Not Verified Oct-2015 debt_consolidation   170xx        PA
## 2095         Not Verified Nov-2015 debt_consolidation   460xx        IN
## 2096         Not Verified Nov-2015 debt_consolidation   240xx        VA
## 2097         Not Verified Sep-2015    home_improvement   297xx        SC
## 2098         Not Verified Jul-2015    home_improvement   851xx        AZ
## 2099         Not Verified May-2010 debt_consolidation   923xx        CA
## 2100         Not Verified Oct-2012         credit_card   852xx        AZ
## 2101         Not Verified Jul-2011         credit_card   550xx        MN
## 2102         Not Verified Aug-2015 debt_consolidation   271xx        NC
## 2103         Not Verified Sep-2011 debt_consolidation   851xx        AZ
## 2104         Not Verified Jun-2011    home_improvement   953xx        CA
## 2105         Not Verified Mar-2010    home_improvement   310xx        GA
## 2106         Not Verified Aug-2011      major_purchase   302xx        GA
## 2107         Not Verified Apr-2010      major_purchase   184xx        PA
## 2108         Not Verified Oct-2011               other   300xx        GA
## 2109         Not Verified Feb-2010      small_business   442xx        OH
## 2110         Not Verified Aug-2015 debt_consolidation   070xx        NJ
```

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## 2111           Not Verified Nov-2015                   car  983xx        WA
## 2112           Not Verified Oct-2015           credit_card  351xx        AL
## 2113           Not Verified Oct-2015           credit_card  802xx        CO
## 2114           Not Verified Aug-2015           credit_card  498xx        MI
## 2115           Not Verified Aug-2014 debt_consolidation  370xx        TN
## 2116           Not Verified Sep-2015 debt_consolidation  601xx        IL
## 2117           Not Verified Dec-2015 debt_consolidation  778xx        TX
## 2118           Not Verified Oct-2015 debt_consolidation  953xx        CA
## 2119           Not Verified Aug-2015 debt_consolidation  350xx        AL
## 2120           Not Verified Apr-2014 debt_consolidation  427xx        KY
## 2121           Not Verified Aug-2015     home_improvement  070xx        NJ
## 2122           Not Verified Aug-2015     home_improvement  890xx        NV
## 2123           Not Verified Aug-2015     home_improvement  608xx        IL
## 2124           Not Verified Oct-2015               medical  980xx        WA
## 2125           Not Verified Sep-2010               medical  641xx        MO
## 2126           Not Verified Oct-2015 debt_consolidation  300xx        GA
## 2127           Not Verified Aug-2015 debt_consolidation  240xx        VA
##      delinq_2yrs earliest_cr_line inq_last_6mths open_acc pub_rec revol_bal
## 1              0         Sep-2002              0       12       0      5890
## 2              0         Oct-1975              1        9       0      7734
## 3              2         Oct-2003              0        8       0      2077
## 4              0         Jul-1985              0        8       0    202407
## 5              0         Dec-2000              0       10       0      6594
## 6              0         Apr-1984              0       11       0     23238
## 7              0         Mar-1991              0       10       0     22888
## 8              0         Aug-1983              0       10       0      6636
## 9              0         Sep-1988              0       15       0     33123
## 10             0         Apr-1994              0        9       2     16720
## 11             0         Jun-1973              1        7       0     10539
## 12             0         Dec-1999              0        6       0     21455
## 13             0         Aug-1992              0        8       0     12110
## 14             0         Feb-1999              0       17       0     71827
## 15             0         Oct-1968              1       32       0     13158
## 16             0         Jan-1985              0       19       0     17262
## 17             0         Mar-1993              0       10       0     56004
## 18             0         May-1973              0        8       0       828
## 19             0         Feb-1970              0       13       0     26630
## 20             0         Aug-1992              0       19       0     10179
## 21             0         Apr-1973              1       12       0      1941
## 22             1         Aug-1978              0       10       0      8621
## 23             0         Apr-2004              0        9       0      8924
## 24             0         Jan-1993              3        7       0     33731
## 25             0         Jan-1990              0        7       0     16073
## 26             0         Jul-1980              0        5       0     27651
## 27             0         Mar-2001              0        8       0     10263
## 28             0         Nov-2000              0        9       0      7366
## 29             1         Dec-2001              0       18       0     12511
## 30             1         Feb-1985              0        6       5     24190
## 31             0         Sep-1993              1       10       0     26777
## 32             0         Jul-1997              1       12       0      6432
## 33             0         Jun-1984              0       18       0     22796
## 34             0         Apr-1998              0       14       0     14481
## 35             1         Mar-1981              0       19       0     24268
## 36             0         Apr-1995              0       10       1      1463
```

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## 37          0          Jun-1982          0          14          1          7486
## 38          0          Jan-1995          0          14          0          5460
## 39          0          Nov-1971          0          15          0         25677
## 40          0          Jul-2001          1           7          1          5582
## 41          0          Oct-1991          1           8          0         10515
## 42          0          Apr-1992          0          11          0         35466
## 43          0          Sep-1998          0          14          0         34993
## 44          0          Aug-1980          0          12          0         52196
## 45          0          Mar-2003          0          15          0         20536
## 46          0          Feb-2000          0           7          0          7024
## 47          0          Mar-1987          1          12          0         41914
## 48          1          Oct-2009          1           7          0          3467
## 49          0          Apr-1971          1           9          1         12938
## 50          0          May-1982          1          12          1         10400
## 51          0          Jan-2004          1          18          1         15361
## 52          1          Sep-1973          1           6          1          8381
## 53          0          Oct-1984          2          13          0         11066
## 54          0          Oct-1980          1           1          0          1758
## 55          0          May-1995          1          14          2          4142
## 56          1          Mar-1976          2           3          0         15296
## 57          0          Mar-1984          1          13          0         42618
## 58          2          Jul-1999          2           7          0          6900
## 59          0          Oct-1986          1           8          0          3344
## 60          0          May-1970          4          21          0          9185
## 61          0          Aug-1999          0           8          0         21345
## 62          0          Jul-1993          0          11          0         33107
## 63          2          May-1996          0          19          0          9002
## 64          0          Oct-2000          0           7          0          6890
## 65          0          Nov-2000          1           4          0          1130
## 66          0          Dec-1971          0          10          1         20607
## 67          0          Apr-2002          0          14          0         13273
## 68          0          Nov-1997          3           5          0          6927
## 69          0          Nov-2007          2          10          0         18356
## 70          0          Sep-1974          0          12          0         22062
## 71          1          Mar-1993          2           9          0          5620
## 72          0          Jun-2002          0           3          0          4364
## 73          0          Oct-2002          1           5          0          3908
## 74          0          Apr-1989          1          13          0         29968
## 75          1          Nov-2003          1           4          0          2287
## 76          0          Aug-1997          1          10          0         15565
## 77          2          Oct-1993          1          13          0          2714
## 78          0          Feb-1973          0           9          0         35312
## 79          0          Jul-1980          0           6          0          5078
## 80          0          May-2001          1          15          0         33894
## 81          0          Oct-1996          1           3          0          3398
## 82          0          Oct-1996          0           8          0         14714
## 83          1          Jun-2005          1           5          0          2068
## 84          0          May-2002          0          11          0         24211
## 85          0          Oct-2003          0           7          0         14739
## 86          0          Jun-1984          1           6          0         16660
## 87          0          Aug-2007          1          10          0          8419
## 88          3          Feb-1994          2          12          0          9777
## 89          0          Aug-1989          0          12          0         16903
## 90          0          Aug-1995          0          10          0         12478
```

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## 91        0    Dec-1987    0     7    0    38409
## 92        0    Jun-1969    0     9    0     9862
## 93        0    Dec-1986    0    16    0    49629
## 94        2    Apr-1976    0     5    0    22773
## 95        3    Jul-1984    0     6    0     5902
## 96        7    Jun-1994    0    21    0    18892
## 97        0    Jan-2002    2    10    0     9781
## 98        0    Mar-1992    3     8    0    17181
## 99        0    Jan-1998    0    13    0     3248
## 100       0    Oct-1989    0     6    1     1616
## 101       5    Dec-2001    1     9    0     2875
## 102       3    Mar-1989    0    13    0    12731
## 103       0    Apr-2006    1    11    0    13630
## 104       0    Mar-1984    1     8    0    38523
## 105       0    Jul-1994    1     6    0     4044
## 106       2    Aug-1984    1    13    0    11701
## 107       0    Nov-2005    0    10    0    19721
## 108       0    Sep-1998    1     8    0     6425
## 109       0    Jul-1987    0    17    0    35623
## 110       0    May-1993    1     8    0    16631
## 111       0    Aug-1993    2     3    0     2835
## 112       0    Apr-1972    0    11    0    15749
## 113       1    Dec-1995    3    14    0     7006
## 114       0    Jul-2007    0     5    0    11034
## 115       0    Sep-1999    3     8    0     4039
## 116       0    Nov-1996    1    20    0    38080
## 117       0    Apr-1979    0     7    0    39755
## 118       0    Jan-2011    0     7    0     3537
## 119       0    Jan-2002    1     5    0     3686
## 120       0    Dec-1979    0    14    0     9588
## 121       3    Sep-1995    0     5    0     4800
## 122       0    Jun-1992    1    12    1     7267
## 123       0    Feb-1985    0     7    1     1897
## 124       1    Feb-1979    0     9    0    11336
## 125       0    Jan-2001    0     9    0    21747
## 126       0    Mar-2001    0    10    0    11512
## 127       0    Jun-2001    0    10    0    13501
## 128       0    Sep-2005    0    10    1      797
## 129       0    Jan-1998    1     5    0     5871
## 130       0    Feb-2002    2     9    1     5598
## 131       0    Sep-1975    0     2    0        0
## 132       0    Jan-1999    1     6    0     7123
## 133       0    May-1992    0     7    0    16484
## 134       0    Nov-1997    1     9    1     7739
## 135       0    Jul-2001    3    16    1    11656
## 136       0    Apr-1996    1    17    1     3159
## 137       1    Jan-1965    0     5    0    22050
## 138       0    Dec-1993    0     6    2     6195
## 139       0    Jun-1987    0    13    0     6664
## 140       0    Oct-1985    0    26    1    15161
## 141       0    Apr-1997    0    11    0    13911
## 142       0    Oct-1999    0     8    0     7612
## 143       0    Oct-1974    0    21    0     6904
## 144       0    Oct-1985    0    14    0    41404
```

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## 145      0      Aug-1995      2      21      0      16265
## 146      0      Apr-1964      0      10      0       4435
## 147      0      Jan-1998      0       9      0          1
## 148      0      Aug-1999      0       2      0       3053
## 149      0      Aug-1993      3      22      0      31342
## 150      0      Aug-1994      0      14      0      16394
## 151      0      Oct-1990      0      11      0      23724
## 152      0      Oct-2001      1      10      0      25095
## 153      0      Dec-1996      1      13      1       7434
## 154      0      Mar-1993      2       9      0       7878
## 155      0      Jul-1970      1      14      0        991
## 156      0      May-1976      1      16      0       5137
## 157      0      Jun-1990      2       6      0        165
## 158      0      Apr-1984      0       7      0       3452
## 159      0      Jun-1976      0      16      0       1305
## 160      0      Dec-2000      1      11      0          0
## 161      0      Aug-1991      1      14      0       4947
## 162      1      Feb-1993      1       6      0       4996
## 163      0      May-1974      2      13      0      11015
## 164      0      Oct-1996      0       8      0      18443
## 165      0      Dec-2000      4       6      0       1430
## 166      1      Mar-1997      0       7      0       5948
## 167      0      May-2002      1      10      0        848
## 168      0      Jul-1979      0       9      0      16333
## 169      0      Mar-1995      0      12      0     113892
## 170      0      Aug-1997      0      11      0      22173
## 171      0      Jun-2005      1      11      0      19580
## 172      2      May-1983      0      13      0       5779
## 173      0      Jul-1975      0      10      1      15543
## 174      0      Mar-1988      2      11      0      23713
## 175      0      Aug-1990      0       7      0      11154
## 176      0      Mar-1973      0      10      0      10637
## 177      0      Feb-1998      0       6      0      26364
## 178      0      Jul-1996      2      16      0      20725
## 179      0      Mar-1975      1      15      2      23410
## 180      0      Mar-1998      0      12      0      11824
## 181      0      Jan-1983      0      11      0      31905
## 182      0      Dec-1994      0      10      0      13872
## 183      0      Mar-2004      0      13      1      17102
## 184      0      May-1990      1      12      1       5533
## 185      0      Nov-2002      1       7      1        473
## 186      1      Nov-1988      1       7      0       7775
## 187      0      May-1996      0       6      0      18344
## 188      0      Jun-2002      0      10      0      11309
## 189      0      Jun-2003      0       7      0       2618
## 190      2      Apr-1970      0      11      0      16114
## 191      3      Jan-1996      0      12      1       6728
## 192      0      Jul-1991      1       3      0       4595
## 193      1      Aug-2003      1      19      0       7270
## 194      2      Feb-2004      1      11      0      14664
## 195      0      Mar-1989      1       5      1       5757
## 196      1      Apr-1980      1      19      1       7459
## 197      0      Sep-1986      2      17      0      51058
## 198      0      Nov-1967      0      13      0      36902
```

```
## 199       0       Dec-2002          0       8       0        249
## 200       0       Jul-1968          0       6       0      16174
## 201       1       Sep-1997          0       6       0       4712
## 202       1       Jun-1996          0       8       0      26394
## 203       0       Oct-1975          0      10       1      46115
## 204       0       Apr-1997          1      11       0      17443
## 205       0       Jul-1991          1      18       0      43679
## 206       2       Apr-2001          1      24       0      47266
## 207       1       Aug-2008          2       7       0       7201
## 208       0       May-1995          0       6       0       9076
## 209       0       Nov-1984          1      12       2       5483
## 210       2       Jun-2004          4      14       0       2476
## 211       0       Aug-1994          0      11       0      21286
## 212       0       Apr-1978          0      14       0       6739
## 213       0       Jul-2010          0       5       0       3249
## 214       0       Jun-1989          0       6       1       2845
## 215       0       Dec-1998          1       9       0      22582
## 216       0       Oct-1992          0       7       0       5618
## 217       0       Aug-1993          0       7       0       3454
## 218       0       Jul-2001          0       9       1       5245
## 219       1       Jan-1971          0       7       0       2878
## 220       1       Sep-2000          0      15       0      12421
## 221       0       Dec-1999          0       5       1       6686
## 222       0       Nov-2001          0      10       0      18008
## 223       0       Apr-1966          2      11       0      28019
## 224       0       Feb-2007          0       5       0       6951
## 225       0       Jun-1996          0      18       0      23419
## 226       0       Jan-2006          0       4       0       3414
## 227       0       Aug-1983          0      14       0      22565
## 228       0       Aug-1977          1      14       0      17858
## 229       0       Sep-2000          2       3       0       3415
## 230       0       Mar-2006          2      13       0       4735
## 231       0       Jun-1994          1       7       0       7232
## 232       0       Jun-1969          0       5       0        481
## 233       0       Mar-2006          2       5       0       7701
## 234       0       Jun-1972          0      11       0      12498
## 235       0       Mar-1976          0      11       0      13155
## 236       0       Dec-1998          0       7       0       7248
## 237       0       Nov-1976          0      21       0      70299
## 238       0       Jan-2000          1       8       0       6681
## 239       0       Jan-1987          1      11       0      19161
## 240       0       Jan-1970          0       9       0      54424
## 241       0       Aug-1987          0      17       0      32894
## 242       0       May-1992          0      15       0      16120
## 243       0       Oct-1990          0      16       0      30542
## 244       0       Jul-1987          0      19       0       7000
## 245       0       May-2003          0      12       0      15133
## 246       0       May-1978          0       6       0      33230
## 247       1       Feb-1981          0       9       0      14438
## 248       0       May-1990          0      18       1      10875
## 249       0       Jul-1997          1       9       0      13206
## 250       0       Sep-1994          1      16       0      66071
## 251       0       Feb-1988          0       8       0       5279
## 252       0       Feb-1987          0      19       0     114509
```

```
## 253            1    Sep-1988    0    20    0    12996
## 254            0    Jun-2004    0     9    1     9517
## 255            0    Nov-1988    0    14    0     3134
## 256            0    Jan-1995    2     9    0     5035
## 257            0    Dec-1974    0    10    0    29702
## 258            0    Jan-1979    0    13    0    14131
## 259            0    Aug-1989    0     6    0      342
## 260            0    Mar-1987    0     4    0     1355
## 261            0    Mar-1995    0    18    0     2051
## 262            0    Mar-1986    1    21    0    32910
## 263            1    Jun-1987    1     9    0        0
## 264            0    Jul-1998    1     7    0    19166
## 265            0    Jan-2000    1     7    0    59435
## 266            0    Mar-1980    2     9    0    89985
## 267            0    Jan-1992    2    12    0     6427
## 268            0    Sep-1998    0     8    0     7425
## 269            0    Mar-1989    0    13    0     7221
## 270            0    Sep-1998    0    11    0     1078
## 271            0    Mar-2001    0     9    1     1510
## 272            0    Jun-1993    0    18    0    11746
## 273            0    Feb-1975    0    16    0     6947
## 274            0    Jun-1988    0     8    0    29830
## 275            0    Mar-1989    0    15    0    31080
## 276            0    Feb-1983    0    11    0    11287
## 277            1    Sep-2002    0     9    0    42004
## 278            0    Feb-1996    0    10    1     5772
## 279            0    May-1998    0     4    3     4387
## 280            0    May-1994    1    14    0    10430
## 281            0    Sep-1994    1     6    2     2278
## 282            0    Mar-2005    0     9    0     4578
## 283            0    Apr-1979    0     9    0    45421
## 284            0    Jun-2002    0     5    0     5519
## 285            0    Jul-1986    0     5    0     1633
## 286            0    Aug-1979    0     8    0    33662
## 287            1    Oct-1992    0    17    0    27661
## 288            2    May-2001    0     9    0    22253
## 289            0    Mar-1972    0     5    1     7244
## 290            0    Mar-1996    1    11    0     6963
## 291            0    Nov-1988    0    13    0    11462
## 292            4    Dec-1999    0    10    0    11880
## 293            0    Feb-2003    0     6    1     4714
## 294            0    Nov-2002    0     3    0     3636
## 295            2    Jul-1984    0    11    0     1002
## 296            1    Oct-1997    0     9    1     4176
## 297            0    Mar-2009    1    10    0     4972
## 298            0    Dec-1962    0    11    0    36465
## 299            0    Oct-1974    1     7    0     9390
## 300            0    Oct-1990    0     5    0     7524
## 301            0    Mar-1974    0    18    0    36059
## 302            0    Dec-1977    0    23    0    23828
## 303            0    Mar-1998    0     6    0     6923
## 304            0    Dec-2002    0     7    0    11425
## 305            0    Oct-2001    1    17    0    40369
## 306            0    Apr-1998    0     9    0    11145
```

```
## 307      0      May-1986      0      14      0      12642
## 308      0      Apr-1985      0       9      0       5177
## 309      0      Oct-1983      0      12      1       6195
## 310      0      Jun-1993      0      35      0      67266
## 311      0      Jan-1998      4       6      0      11586
## 312      0      Dec-1985      0      15      0      10281
## 313      0      Oct-1989      0       9      0      10356
## 314      0      Jan-2003      0       7      0      11798
## 315      0      Aug-2004      0      20      0      10673
## 316      0      Mar-1993      0      14      0      14126
## 317      0      Oct-1982      0      13      0      17456
## 318      0      May-2002      1       8      0      25092
## 319      0      Jan-1987      2      19      0       6702
## 320      0      Oct-1976      0      18      0      59597
## 321      0      Jun-1989      0      10      0      17428
## 322      0      Dec-1982      0      14      0      13097
## 323      0      Apr-2000      0      24      0      80599
## 324      1      Mar-1986      0       9      0       9952
## 325      2      Apr-1994      0      18      0      27437
## 326      0      Mar-1982      1      18      0       6641
## 327      0      Sep-1994      0       5      0       9758
## 328      0      Oct-1992      0      17      0       9485
## 329      0      Oct-2002      0       9      0       5974
## 330      0      Mar-1972      0      10      0      24431
## 331      0      Sep-1990      0      24      0      15137
## 332      0      Aug-1972      0       6      0       7946
## 333      0      Jan-1980      0       6      0       6987
## 334      0      Feb-1999      0       6      0      30154
## 335      1      Mar-1976      0       8      0      17058
## 336      0      Apr-1992      0       8      1       4182
## 337      0      Mar-2001      0      11      7      14201
## 338      0      Apr-1993      1      21      0      10170
## 339      0      Jul-1968      1      12      0     216980
## 340      3      Dec-1984      1      12      0       9394
## 341      0      Sep-1992      2      15      0       2521
## 342      0      Jan-1977      2       8      0      15144
## 343      0      Aug-2000      0       8      0      33926
## 344      0      Mar-1991      0       9      0      32885
## 345      0      Apr-1997      0      20      0     105281
## 346      0      Jun-1977      0      11      0      25394
## 347      0      Jul-1991      0      11      0       6651
## 348      0      Feb-1993      0       8      0       4670
## 349      0      Feb-1971      0      15      0      30633
## 350      0      Jun-1955      0      12      0      13733
## 351      0      Nov-1974      0       5      0       4445
## 352      0      Jul-1985      0      16      0      30582
## 353      0      Oct-1984      0       9      0       7693
## 354      0      Mar-1971      0      19      0      47159
## 355      1      Dec-1981      0      11      0      15336
## 356      0      Apr-1993      0      11      1       6884
## 357      1      Aug-1988      0      10      1      24250
## 358      0      Nov-1987      1      22      0      19382
## 359      0      Oct-1993      1      12      0      32207
## 360      0      Feb-1975      0      12      0      21354
```

```
## 361        0       Nov-1990        0       17      0       22583
## 362        0       Jan-1984        0       15      0       14998
## 363        0       Sep-1995        0        8      0        5396
## 364        0       May-1979        0       18      0       53654
## 365        0       Nov-1998        0        8      0          10
## 366        0       Aug-2000        0        7      0        1117
## 367        0       Aug-1997        0        7      0        6499
## 368        0       Mar-2007        1       16      0       13276
## 369        0       Jul-1987        0       17      1        7259
## 370        2       Mar-1980        0       16      0       12280
## 371        0       Sep-1977        0       19      0       12864
## 372        0       Dec-1997        0        5      0        3591
## 373        1       May-1995        2       22      0       18255
## 374        0       Jul-1979        1       10      1       32907
## 375        0       Aug-1994        0        8      0       17788
## 376        0       Feb-1995        0       14      0       14991
## 377        1       Jul-1993        2        9      0        5190
## 378        0       Oct-1991        0        5      0         767
## 379        0       Feb-1996        0        4      0        2831
## 380        0       Apr-1980        0        6      0        3758
## 381        0       May-1973        0        4      0        2709
## 382        1       Sep-1992        1       11      0       32808
## 383        0       Mar-1997        2        9      0       11544
## 384        0       Apr-1988        0       11      1        4023
## 385        0       Dec-1992        0        9      1        2122
## 386        0       Apr-2004        0        9      0       10065
## 387        0       Apr-1990        0        7      1        5185
## 388        2       Jun-2002        2       10      0        4754
## 389        0       Jul-1985        0       15      0       39105
## 390        0       Nov-1988        0       10      0         159
## 391        0       Feb-1976        1       12      0       31905
## 392        0       Sep-1997        0       11      0        3470
## 393        0       May-1986        1       14      0        7552
## 394        5       Jan-1989        0       21      0        2109
## 395        0       Sep-1976        0        6      0       10070
## 396        0       Sep-1980        0       10      0       14554
## 397        0       Dec-2002        0        9      0       15765
## 398        0       Jan-1974        0       11      0        7101
## 399        0       Apr-1999        0       10      0       73936
## 400        0       Dec-1991        0        9      0       30624
## 401        0       Jun-1983        0       12      0       11552
## 402        0       Jan-1996        0       15      0        3394
## 403        0       Jan-1963        0       20      0       22009
## 404        0       May-1976        0       11      0        4160
## 405        0       Oct-1997        0       12      0       12916
## 406        1       Jan-1975        0       22      0       58626
## 407        1       Jun-2000        0        9      0       11065
## 408        1       Sep-1991        0       16      0       26819
## 409        1       Jan-2002        0       12      0       13886
## 410        0       Nov-2001        0       12      1       10770
## 411        0       Apr-1983        0        8      1        4972
## 412        0       Apr-1987        1       27      0       10521
## 413        0       Jul-1995        1       15      0       14655
## 414        0       Apr-1999        1       21      0       28675
```

```
## 415    0    Sep-2003    1     7    0     11891
## 416    0    Mar-1984    1    25    0     27037
## 417    0    Dec-1998    1    13    0     61387
## 418    0    Nov-1996    1     9    0     22585
## 419    0    Apr-1991    1     4    0      8581
## 420    1    Dec-2001    1    15    0     16000
## 421    3    May-1997    1    12    0     14888
## 422    0    May-1978    2    16    0     66971
## 423    0    Nov-2002    0    13    0     19169
## 424    0    Jul-1990    0    18    0     16394
## 425    0    Jun-1977    0    17    0     14242
## 426    0    Aug-1975    0    17    0      7670
## 427    0    Sep-1998    0    20    0      9569
## 428    0    Mar-1987    0    11    0     52153
## 429    0    Aug-1971    0    12    0     13740
## 430    0    Feb-1992    0    19    0     34618
## 431    0    Oct-1986    0     8    0     32704
## 432    0    Dec-2003    0    10    0     11730
## 433    0    Jun-1980    0    15    0      9018
## 434    0    Dec-2003    0     8    0      8164
## 435    0    Jul-1976    0    12    0     30641
## 436    0    Jun-2001    0    10    0      3614
## 437    1    Apr-1991    0    12    0     25098
## 438    3    May-1993    0     9    2      5875
## 439    0    Sep-1980    1    28    0    123343
## 440    0    Dec-1996    1    24    0     59693
## 441    0    Jan-1994    1    13    0      7748
## 442    0    Oct-1971    1    27    0     34860
## 443    0    Nov-1986    1    11    0     11743
## 444    0    Mar-2007    1    11    0     10468
## 445    1    Apr-1999    1    15    0     22184
## 446    0    Dec-1977    0    13    0      8501
## 447    0    Jul-1998    0    10    0     23135
## 448    1    Jan-1984    0     7    3     11737
## 449    0    Jun-1989    1    11    0     65738
## 450    0    Oct-2002    1    17    0       170
## 451    0    Oct-1981    2    13    1      2349
## 452    0    Nov-1993    0    17    0     14415
## 453    0    Nov-2003    0     8    0       328
## 454    0    Jun-1975    0     9    1      2764
## 455    0    Sep-1987    0    10    2      5924
## 456    0    Sep-2003    1    11    4      6997
## 457    0    Jan-1975    0    10    0      5380
## 458    0    Feb-1991    0     5    0      6844
## 459    0    Feb-1999    0    11    0      9512
## 460    0    Feb-1990    0    15    0     13997
## 461    0    Sep-1984    0     6    0      4540
## 462    0    Jun-1995    0     6    0      3703
## 463    0    Mar-1988    0    11    0      3857
## 464    0    Aug-1981    0    22    0     10730
## 465    0    Mar-1991    0     5    0     93097
## 466    0    Nov-1991    0     6    0     11351
## 467    0    Apr-1976    2    13    0      6449
## 468    0    Jul-1994    0     7    0      8377
```

```
## 469    0    May-1986    0     7    0    16722
## 470    0    Jun-1969    0     8    0        0
## 471    0    Dec-2000    1    11    0        0
## 472    0    Mar-1985    0     4    0     6885
## 473    0    Dec-1990    2     5    0     6863
## 474    0    Jan-1994    1     8    0    58794
## 475    0    Dec-1973    0    13    0    27950
## 476    0    Jun-1994    0     6    0    22130
## 477    0    Jun-1978    0     7    3    60402
## 478    0    Sep-1993    0    11    0    14339
## 479    0    May-2000    1    15    0    29427
## 480    2    Nov-2001    1     8    0     3863
## 481    0    Oct-1988    0     7    0     7038
## 482    0    Jan-2003    6    11    0     4479
## 483    0    Nov-2000    2    11    0    11309
## 484    0    Oct-1995    0    12    1     3131
## 485    0    Jul-2004    1     3    0     6132
## 486    0    Feb-1998    1    13    1     2824
## 487    0    Nov-1976    2    18    0    24470
## 488    0    Mar-2002    1     8    0    40620
## 489    1    Jan-1997    0     8    0    10973
## 490    0    Dec-1986    1    10    1     7731
## 491    0    Nov-1995    0    14    0    39375
## 492    0    Apr-1968    0    15    0    49174
## 493    0    Mar-1999    0    11    0    17470
## 494    0    Jun-1998    0    15    0    23377
## 495    1    Jun-1988    0     6    0    16078
## 496    6    Aug-1986    0    14    0   149202
## 497    9    Jan-1996    0    10    0     3032
## 498    0    Feb-1998    0    10    1     4803
## 499    1    Feb-2002    0     6    1     8823
## 500    0    Oct-1992    1     8    0    22341
## 501    0    Jan-1981    1     7    0    19421
## 502    0    Oct-2002    1    14    0    14461
## 503    0    Oct-2001    1     9    0    13740
## 504    0    Mar-1983    1    27    0    37995
## 505    0    Apr-1997    1     8    0    18443
## 506    3    Nov-2001    1     9    0     5150
## 507    1    Sep-1988    2     9    0    21553
## 508    2    Jun-2002    2     8    0    19638
## 509    0    Mar-1987    4    13    0    22884
## 510    0    Jan-1989    0    12    0    12686
## 511    0    Apr-1990    0    14    0    16174
## 512    0    Nov-1999    0     3    0    10399
## 513    0    Feb-2002    0     6    0    15576
## 514    0    Mar-2004    0     5    0       31
## 515    2    Nov-1991    0    15    0    15848
## 516    0    May-2003    0    13    1    24810
## 517    0    Oct-1986    0    21    1     4625
## 518    0    Mar-1996    0     8    1     4200
## 519    0    Nov-1998    0    13    1    31448
## 520    0    Mar-1992    0    11    2    96462
## 521    1    Feb-1996    0    12    2    13882
## 522    0    Jan-1984    1    13    0    11970
```

```
## 523        0      Jul-1994        1      10      0      10583
## 524        0      Aug-1997        1      10      1       3558
## 525        0      Oct-1997        2       9      0      31471
## 526        0      May-1992        2      16      0       6517
## 527        0      Dec-2004        2      13      0      13859
## 528        0      Jan-2005        0       2      0       4407
## 529        4      May-1995        0       7      0       4667
## 530        0      Sep-1991        0       9      1       2557
## 531        0      Dec-1999        0      14      0       8589
## 532        0      Aug-1992        0      15      0      40534
## 533        2      Sep-1996        1       8      0       9597
## 534        0      Oct-1997        0       6      0      15141
## 535        1      Aug-1975        2      18      0      16130
## 536        0      Feb-1990        1      14      0      27639
## 537        0      Dec-1970        0      13      0      28814
## 538        0      Jun-2000        1       9      0       9460
## 539        0      Jun-1989        1      24      0      27134
## 540        0      Aug-1999        1      10      0      11219
## 541        2      Oct-1998        3      24      0       9895
## 542        0      Jul-1988        0      10      0       7034
## 543        0      Mar-1993        0       6      0      48058
## 544        0      Sep-1993        0      26      0       5828
## 545        1      Jul-1993        0       8      0      19150
## 546        0      Oct-2000        0      16      1      22296
## 547        0      Apr-2002        1       4      0       4799
## 548        0      Mar-2003        1      16      0      16603
## 549        0      Feb-2009        1      11      0      11041
## 550        0      Sep-1999        1      12      0      12437
## 551        1      Oct-1988        1      16      0       4616
## 552        0      Nov-2006        2      11      0      10835
## 553        0      Feb-2003        1       7      0      52424
## 554        1      Nov-2005        3      12      0       4973
## 555        0      Sep-1991        3      18      0      16612
## 556        0      Oct-2002        2      14      0       5930
## 557        0      Mar-2004        1      12      1       2885
## 558        0      Aug-2002        0       4      0      15663
## 559        0      Oct-2003        0      12      0      16145
## 560        0      Mar-1995        0      13      0      16914
## 561        0      Jun-2001        0      10      0      14724
## 562        0      Nov-1996        1       6      1       5382
## 563        0      Aug-2000        0      13      0      18239
## 564        0      Jul-2001        0      16      0      37805
## 565        0      Jun-1987        0      30      0      15817
## 566        0      Oct-1967        1       8      0       1082
## 567        0      Sep-2001        1      16      0       7343
## 568        0      Apr-1988        1      10      0      21649
## 569        0      Oct-1985        0      15      3      12997
## 570        0      Mar-1988        0      13      0       7609
## 571        0      May-1991        0       7      0      25281
## 572        0      Aug-1998        0       6      0       6061
## 573        0      Oct-1988        0       4      0       3730
## 574        0      Dec-1990        3       6      0       3063
## 575        0      Oct-1996        0      11      0      18745
## 576        0      Jul-2002        0       7      0       4490
```

```
## 577    0    Dec-1997    1    10    0    15581
## 578    0    Dec-2009    1    11    0     4327
## 579    0    Jan-2002    0     7    0     2245
## 580    0    Aug-1980    2    12    0     9297
## 581    0    Jun-1984    1     9    0     7640
## 582    0    Oct-1976    1    10    0    28598
## 583    0    Jan-1989    1     8    0     6685
## 584    0    Nov-1972    0     5    0     1561
## 585    0    Aug-1990    1     7    0     4247
## 586    0    Jul-1993    1    10    1    12632
## 587    3    Nov-2001    1    10    0    11911
## 588    0    Sep-2000    0     8    0     7831
## 589    0    Sep-1998    3     4    0     2205
## 590    0    Jan-1986    0     8    0    14627
## 591    0    Jun-2005    0    10    0     8642
## 592    0    Jan-1988    0    13    1    11381
## 593    0    Mar-2006    1    12    0     9693
## 594    0    Aug-1998    1     9    1     4094
## 595    0    Jul-1992    0     9    0    38237
## 596    0    Feb-1992    0     7    0    11222
## 597    0    Feb-1997    0    13    0    12246
## 598    0    Feb-1982    0    27    0    23786
## 599    1    Apr-1995    0    25    0    20549
## 600    0    Dec-1992    0    16    1    19300
## 601    0    Mar-1996    0    11    1    11919
## 602    0    May-2000    1     9    0     5246
## 603    0    Feb-2005    1     9    0     8583
## 604    0    Jan-2004    0     9    0     9895
## 605    0    Sep-1989    1    14    1    18333
## 606    0    May-1975    1     9    1     1648
## 607    0    Jul-2000    0    11    1    10407
## 608    0    Feb-2008    1    10    0     7898
## 609    0    Dec-1995    3    11    0     7201
## 610    0    Aug-1993    0    11    0    12693
## 611    1    Feb-2000    0     5    0     6630
## 612    0    Feb-1988    0    15    1    17479
## 613    0    Aug-1997    0     4    1     1886
## 614    0    Feb-1990    1    20    0    25369
## 615    1    Apr-1997    1     7    0    12100
## 616    0    Nov-1980    2    10    0    22800
## 617    0    Feb-1999    0     6    0     6599
## 618    0    Apr-1997    1    11    0     6121
## 619    0    Mar-1989    1     7    1     5515
## 620    0    Jul-2011    0     7    0     1152
## 621    1    Sep-2007    1    29    0     1989
## 622    0    Sep-1999    2     5    0     1971
## 623    0    Jan-2005    2     3    0     1939
## 624    0    Apr-1993    2     3    1     2510
## 625    0    Aug-1999    0     5    1     3855
## 626    0    Jul-1980    1    18    0    42959
## 627    0    Feb-1985    1     9    0    22239
## 628    0    Mar-1977    0    10    0     5681
## 629    0    Jan-1988    1     9    0     4221
## 630    0    Mar-1988    2    11    0     7452
```

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## 631       0       May-1997        0      13      0      26754
## 632       0       Mar-1999        2       8      2       6494
## 633       0       Sep-1994        0      12      1      10985
## 634       0       Mar-1998        1       8      0       6029
## 635       0       Feb-1997        2      24      0      22212
## 636       0       Oct-2004        0      10      0       3405
## 637       1       Jun-1975        0      16      0       7405
## 638       2       Aug-1995        2      21      0      24071
## 639       0       Sep-2006        0       4      0      12690
## 640       0       Jul-1993        2       7      0       5365
## 641       0       Aug-2003        2       4      0       5893
## 642       0       Jul-2000        0       9      0       5536
## 643       0       Sep-1990        0       6      0      10709
## 644       0       Nov-1988        0      20      0      14892
## 645       0       Aug-2001        1       7      0       6079
## 646       0       Aug-1993        0       8      0       8566
## 647       0       Jul-2004        1      11      0       5454
## 648       0       Jul-1987        0      13      0       5470
## 649       1       Oct-1986        0       8      0      13857
## 650       0       Feb-1996        0       8      1       4745
## 651       0       Mar-1964        1      20      0       5958
## 652       0       Apr-1998        1      15      1       7902
## 653       0       Feb-2005        1      11      3       6314
## 654       0       Feb-1993        2       9      0      10537
## 655       0       Apr-1994        0       5      0      15970
## 656       0       Feb-1983        0      11      0      34862
## 657       0       Mar-1977        0       6      0      19928
## 658       0       Sep-2000        0      14      1       5154
## 659       0       Oct-1997        0       8      4       3196
## 660       0       Jun-2000        1       8      0      27170
## 661       0       Apr-1987        1       7      1       2866
## 662       1       Oct-1981        1      11      1       2869
## 663       0       Jun-1981        0       4      0       1133
## 664       0       Dec-1992        0       5      0      15668
## 665       1       Oct-1978        0      17      0       4287
## 666       0       Mar-1994        0       8      2       2801
## 667       0       Oct-1997        1      16      0       9452
## 668       0       Oct-1995        1       9      0      30081
## 669       1       Oct-1993        6      16      0       4976
## 670       0       Jun-1987        0       9      0      12060
## 671       0       Jan-1979        1       6      0      12136
## 672       0       Jul-1999        1      10      0      15280
## 673       1       Jan-1996        1       6      0       1483
## 674       0       Aug-1994        2       8      1       3488
## 675       0       Dec-1992        0       5      0      34366
## 676       0       Nov-1996        1       8      0      12701
## 677       0       Dec-2000        2       6      1       4055
## 678       0       Mar-1998        3       7      0      19310
## 679       0       Mar-1998        0       5      0       6409
## 680       0       Jan-1985        0      15      0     271818
## 681       1       Dec-1989        1      10      0      17467
## 682       0       Nov-1993        2      11      0       6644
## 683       0       Feb-1994        3       2      0       4856
## 684       0       Mar-1996        1       3      0       4057
```

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## 685              0          Jan-1971          0          7          0          12975
## 686              0          Jan-2003          0          4          0           4169
## 687              0          Nov-1984          0         18          0          11451
## 688              0          Dec-2001          0          7          0          23201
## 689              0          May-1978          0         10          0          50110
## 690              0          Jul-1986          0         10          1           3475
## 691              1          Dec-1996          1          7          0          14666
## 692              6          Jun-1993          1         14          0           3690
## 693              1          Jan-1996          1         11          1           5561
## 694              0          Feb-1998          2         14          0          19454
## 695              0          Oct-2000          5         26          0          43727
## 696              0          May-1995          5         18          0          12586
## 697              0          May-1996          0         11          0          10231
## 698              0          Jun-1979          0          9          0           8450
## 699              2          Jul-1990          0         13          1          86740
## 700              1          Mar-1999          1          8          0           3560
## 701              0          Mar-1994          2         16          0          18962
## 702              0          Sep-1987          0          6          1            380
## 703              0          Apr-1985          0          7          0           7581
## 704              0          Oct-2002          0          8          0           2431
## 705              0          Mar-2012          0          6          0           3253
## 706              0          Oct-2002          0         10          0          14486
## 707              0          Mar-1989          0          9          0           4499
## 708              0          Apr-2001          0         14          0          14538
## 709              1          Mar-1964          0          8          0          10869
## 710              2          Oct-2000          0         13          0           4067
## 711              0          Mar-1990          0          9          1          35652
## 712              0          Nov-1987          0         11          1           9618
## 713              0          Sep-1997          1          6          0           4568
## 714              0          Jun-1988          1         25          0          28636
## 715              0          Nov-1986          2         13          1          20078
## 716              0          Oct-2005          0         14          0          13746
## 717              0          Feb-1998          0          6          0          11643
## 718              0          Jun-2009          0          6          0           8648
## 719              1          Dec-1996          0         17          0          10475
## 720              0          Oct-1999          0          9          1           8354
## 721              0          Oct-1974          0          6          1           2861
## 722              0          Jul-1987          0          9          1           1934
## 723              0          Mar-1977          0         18          4           7362
## 724              0          Feb-2005          1         11          0            664
## 725              6          May-1993          1         17          0          17135
## 726              0          Jul-2001          1         10          1          14728
## 727              2          Oct-1994          2         22          0           6497
## 728              0          Jul-2001          0          7          0           6113
## 729              0          Jan-2007          0          4          0           6563
## 730              0          Oct-1995          0         13          0           3641
## 731              0          Jul-1998          0          9          0           5811
## 732              0          Sep-1999          0          7          0           5883
## 733              0          Dec-1998          0          4          0           4823
## 734              0          Feb-2005          1         10          0           4721
## 735              0          Jun-1981          1          7          0          12936
## 736              0          Oct-1988          0          7          0          12182
## 737              0          Dec-1997          1         11          0          10195
## 738              0          Aug-1977          0          3          0           4769
```

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## 739            0      Apr-1990        0      11      1      12498
## 740            0      Apr-2004        2      19      0      26837
## 741            0      Jul-2001        0       8      0       7705
## 742            0      Jan-2002        0       5      0       1470
## 743            0      Jul-1972        4       9      0      12450
## 744            0      Mar-2002        0       6      0       3638
## 745            0      Jul-2004        1       9      0       7588
## 746            0      Mar-1979        2      14      0      22736
## 747            0      Nov-1970        0       7      0      11076
## 748            0      Oct-1993        1      13      0       4195
## 749            0      Sep-1975        1       7      0       5807
## 750            1      Oct-1976        0      25      0      15816
## 751            0      Jan-1996        0       5      2       4861
## 752            0      Feb-1987        0      10      1      12520
## 753            0      Dec-1986        0      18      0      23530
## 754            0      Oct-2000        0      13      0       5486
## 755            0      Oct-1982        0      19      0      37122
## 756            2      Nov-1982        1      14      0       9871
## 757            0      Jun-1992        2       4      0       4451
## 758            0      Aug-1996        0       3      0       5423
## 759            1      Nov-1995        2      11      0        808
## 760            0      Apr-1994        0       4      0       2835
## 761            2      May-1995        1       7      0       1765
## 762            0      Apr-1991        0      16      0       3975
## 763            0      Jan-1996        0      15      0       1379
## 764            0      Oct-2001        0      12      0       8613
## 765            0      Nov-2006        0      12      0       5724
## 766            0      Apr-1996        0       5      0       1665
## 767            0      Aug-1997        0       5      0       3847
## 768            0      Jan-2003        0      10      0       1012
## 769            0      Apr-1994        3      10      0       2951
## 770            0      May-1998        2      14      0      13695
## 771            0      Sep-1988        2      10      0       7476
## 772            0      Nov-1998        2       8      0      12165
## 773            0      Mar-1998        0      10      0      29116
## 774            0      Mar-1986        1       8      0      12262
## 775            0      Jul-1982        3      11      0       8112
## 776            0      Dec-1994        0       9      0      11622
## 777            0      Apr-1998        0      14      0      13918
## 778            0      Mar-1968        0      10      0      27159
## 779            0      Dec-1982        2      11      0      34507
## 780            0      Jan-2002        1       9      0       5971
## 781            0      Jul-1988        3      11      0      11805
## 782            0      Oct-1996        2       7      0       7850
## 783            0      May-1995        0      12      0      10071
## 784            1      Nov-1970        0      20      0      13342
## 785            0      May-1995        0       9      1      19356
## 786            0      Mar-1967        0       9      0       5878
## 787            0      Jun-1976        0       9      0       6601
## 788            0      Jan-1990        0      23      0      20267
## 789            0      Jul-1992        0       8      0      21657
## 790            0      Dec-1982        0      14      0      35299
## 791            1      Dec-1995        1      22      0      22455
## 792            0      Dec-1966        1       6      0        378
```

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## 793    0    Apr-1973    4    19    0     1051
## 794    0    Dec-1989    0    11    0     7475
## 795    0    Feb-1995    2     4    0      959
## 796    0    Dec-1982    0    17    0     7509
## 797    0    Feb-2001    0     8    1     2466
## 798    0    Mar-1983    1    13    0     7944
## 799    0    Apr-1978    3     4    0      423
## 800    0    Sep-1990    3     6    0     5912
## 801    0    Jul-1987    0     9    0     3042
## 802    0    Mar-1992    0     6    0      271
## 803    0    Dec-1976    0     6    0    12165
## 804    0    May-1981    0     4    0     1982
## 805    0    Jul-1989    0     9    0     5249
## 806    0    Dec-1996    0     5    0    12269
## 807    0    Mar-2002    0     9    0    12042
## 808    0    Feb-1978    1    10    1     6541
## 809    0    Oct-1995    1     2    0      144
## 810    0    Jan-2002    0     2    0      337
## 811    0    May-1984    0     2    1     3966
## 812    0    Feb-1974    0     6    0    10004
## 813    0    Feb-2012    0     5    0     5269
## 814    0    Sep-1991    3    10    0      406
## 815    0    Sep-1964    0    19    0     9465
## 816    1    Apr-1974    1     9    0    26854
## 817    0    Feb-1989    2     6    0    10195
## 818    0    Apr-1974    1    24    0     2944
## 819    0    Jun-2005    2     7    1     3423
## 820    0    Aug-2006    1     8    1     7515
## 821    0    Mar-2002    0    13    0    15276
## 822    0    Apr-2005    0     5    1     3853
## 823    0    Jun-1964    1    13    0    23548
## 824    0    May-1995    1     5    1     5877
## 825    0    May-1981    1     7    0    11238
## 826    0    Jan-2003    1    11    0     4536
## 827    0    Jul-2000    1     8    1     2743
## 828    0    May-1979    2    16    0    12026
## 829    3    Dec-2008    0    11    0     5437
## 830    0    Feb-2001    0    10    0    14924
## 831    0    Apr-2000    1     8    0    15645
## 832    0    Oct-1996    3    21    0    40873
## 833    0    Dec-1999    0     7    0     8242
## 834    1    Dec-2005    0     8    1     1539
## 835    0    Jul-1996    0     7    1     8513
## 836    0    May-1984    1    17    1     9741
## 837    0    Feb-1997    0     9    0    12872
## 838    0    May-2001    1     6    0     4376
## 839    0    Aug-1998    1    11    1     9245
## 840    0    Mar-1976    0     8    0     4319
## 841    0    Aug-1990    0     8    0    18710
## 842    0    Jul-2009    0     8    0     6257
## 843    1    Jul-2003    0     4    0     9913
## 844    4    Dec-1977    0    23    0    39324
## 845    1    Jan-1980    0    10    1     5568
## 846    0    Jun-1998    1    14    0    37786
```

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## 847           1           Jul-1980           1           4           0           5385
## 848           0           Oct-1999           2          11           1           7455
## 849           0           Dec-1994           2          11           3          17372
## 850           0           Mar-2005           0           9           0          25358
## 851           0           Sep-2003           0           8           0          17471
## 852           0           Apr-1967           0          12           0          15946
## 853           0           Sep-1998           0           6           0           6581
## 854           0           Jul-2006           0           3           0           9331
## 855           0           Jul-1994           0          12           0          25983
## 856           1           Mar-2000           0           8           0          15879
## 857           1           Jan-1999           0          16           0          18866
## 858           1           Jan-2005           0           8           0           9117
## 859           2           Jan-1995           0           8           0           3858
## 860           3           Nov-1971           0          20           0          17504
## 861           0           Jul-1987           0          15           1          10831
## 862           0           Dec-1980           0          11           1          12263
## 863           0           Sep-1991           0           8           1          16187
## 864           0           Mar-2003           0          11           1           5137
## 865           1           Oct-1982           0          11           3           5624
## 866           0           Dec-1968           1           8           0           7690
## 867           0           Jun-2003           1          10           0          40468
## 868           0           Jul-2003           1          12           0           8499
## 869           0           Nov-1994           1          12           0          11817
## 870           0           Oct-1991           1          19           1          17297
## 871           0           Jun-1988           1          13           1          18956
## 872           0           Jun-1997           1           6           1          10680
## 873           1           Jul-2002           2          10           0           4004
## 874           1           Sep-1993           2          11           0           4313
## 875           2           Jul-1993           0          15           0          22490
## 876           0           Dec-1977           0          13           1           5751
## 877           0           Apr-1997           2          13           0           9422
## 878           0           Oct-1992           0          15           0          30261
## 879           0           Oct-1977           0           8           0          14886
## 880           0           Jul-1987           0          14           0         159243
## 881           0           Aug-1997           0          12           0          24274
## 882           1           Jan-2003           0          25           0           8752
## 883           0           May-1989           0           8           1           5982
## 884           0           Jul-1991           1          14           0          49077
## 885           3           Apr-1988           2          27           0         313199
## 886           0           Nov-1986           0           5           0          11143
## 887           0           Oct-1996           0           6           0           9489
## 888           3           Jun-2001           0          13           0          14336
## 889           0           Nov-1999           1          11           0           2942
## 890           7           May-1966           1           9           1           6315
## 891           4           Aug-2000           2           7           0           5374
## 892           0           Aug-1995           0           9           1          16641
## 893           0           Dec-2000           0          14           1           9126
## 894           0           Mar-1981           1          12           1          11443
## 895           0           Nov-1971           2          12           0          53841
## 896           0           Apr-1983           2          12           1           2293
## 897           0           Sep-1974           1           8           1           4375
## 898           0           Dec-1982           0          13           0          21121
## 899           0           Oct-2000           0          10           0          25082
## 900           0           Oct-1996           3          13           2           3728
```

```
## 901   1   Dec-2004   0    6   1    3480
## 902   0   Feb-1977   0   10   0   40029
## 903   0   Jun-2003   1    9   1    3984
## 904   0   Jul-2002   0    4   0    4976
## 905   1   Apr-2002   0   15   0   10693
## 906   0   Jun-1975   0    8   0   11002
## 907   0   Jan-2000   0   15   0   22824
## 908   0   May-2001   2    8   0    5973
## 909   0   Feb-2007   0   12   0   11033
## 910   1   Dec-1993   2    6   1    4736
## 911   1   Jul-1999   0   13   0    9164
## 912   1   Sep-1973   0    9   0   24439
## 913   0   Apr-1986   1   14   1   45179
## 914   0   Sep-2003   0    8   0   12103
## 915   0   May-1995   0   19   0   54478
## 916   0   Nov-1993   0   12   0    5414
## 917   0   Feb-1986   0   13   0    4018
## 918   2   Mar-2001   0   10   0    2239
## 919   0   Jun-2005   0    9   1    4391
## 920   0   Aug-1988   0   17   1    7054
## 921   0   Mar-1999   0    3   1    2647
## 922   0   Jul-1983   0   13   1     866
## 923   1   Oct-1989   0    5   1    2349
## 924   0   Mar-1997   0    9   4    5318
## 925   0   Feb-2004   1   12   0   31312
## 926   0   Oct-1997   1    9   0   17170
## 927   1   Sep-1989   1   17   0   40272
## 928   1   Aug-1970   1    8   0    9345
## 929   2   Dec-1999   1    9   0    4609
## 930   0   Aug-1998   1   10   1    4933
## 931   1   May-2002   1    7   1    2318
## 932   2   Aug-1998   1   13   3    1737
## 933   0   Jun-1997   3   13   0   77091
## 934   0   Nov-1995   3   10   1   13150
## 935   1   Nov-1975   3   11   1    6640
## 936   2   Aug-1999   3   17   2    6187
## 937   0   Jul-1998   0    8   0   10121
## 938   2   Aug-1985   0   13   0   11904
## 939   0   Oct-1998   0    3   1    5213
## 940   0   Dec-2005   0    5   1    8530
## 941   0   Jul-2002   1   10   0   13473
## 942   0   Mar-1990   1   11   0   19881
## 943   0   Apr-1974   0    8   0   12624
## 944   1   Aug-1988   2   11   0    2204
## 945   0   Jun-1988   0   15   0   29862
## 946   0   May-1999   0    6   0   24847
## 947   0   Sep-2004   1    9   0   13698
## 948   0   Mar-1998   0    3   0   10904
## 949   0   Apr-2004   0    9   0   17998
## 950   0   May-1986   0   12   0   27229
## 951   1   Jul-1981   0   20   0   35745
## 952   0   May-1999   0    7   1    6329
## 953   0   Oct-1995   0   22   0   17828
## 954   0   Feb-2002   0   12   0    5889
```

```
## 955       0       Jun-1985       2       16       1       4137
## 956       0       May-1979       1       11       1       4923
## 957       0       Jun-2000       0       12       0       4485
## 958       0       Nov-1961       0       14       0      31725
## 959       0       Apr-1987       0       11       0      14010
## 960       0       Dec-1997       0        5       0      15142
## 961       0       Jun-2001       1        7       0       8882
## 962       0       Dec-1997       1       11       0       3596
## 963       0       Apr-1999       1       20       0      21109
## 964       0       Jun-1994       0        7       1      10844
## 965       0       Nov-1985       1       14       0      10826
## 966       0       Jan-1995       2        6       0       6839
## 967       0       Apr-2001       2        6       0      25523
## 968       0       Jul-1999       0       12       0      11070
## 969       0       Jun-2008       1       15       0      16405
## 970       0       Jan-1988       1       11       1       5910
## 971       0       Dec-2000       2       23       0      44020
## 972       0       Apr-2005       0       10       1      19146
## 973       1       Jul-1972       0       17       0       5109
## 974       0       Apr-2001       0        5       0       5169
## 975       0       Feb-1994       0        5       0       3612
## 976       0       Apr-1997       0        6       0       4598
## 977       0       Feb-2004       0       12       0       7051
## 978       2       Dec-1989       0        9       0       8866
## 979       0       Aug-2000       2        5       0      11959
## 980       0       Jun-1994       2        9       0       5052
## 981       0       Jul-1989       1        9       0       6816
## 982       0       Dec-1978       1       10       0      17872
## 983       0       Nov-2005       1        4       0          0
## 984       0       Sep-1976       0       10       0       6876
## 985       0       Nov-1997       1       10       0      21363
## 986       0       Apr-2001       0        8       0       6725
## 987       0       Jun-1996       1       14       2       9289
## 988       0       Jul-1997       0        4       0         15
## 989       0       Jun-1989       1        5       0       4174
## 990       0       Jan-1992       2        7       0       3225
## 991       0       Sep-1978       0        4       0      10144
## 992       0       Dec-1978       1        7       0       8928
## 993       0       May-2000       1        8       1       3330
## 994       0       May-1985       0       13       0       5271
## 995       0       Nov-1984       0       14       0       2231
## 996       0       Aug-1984       0        5       0      23107
## 997       0       Mar-1990       0        7       0      17674
## 998       0       Jun-1991       0        5       0         68
## 999       0       Aug-1974       1        5       0       2490
## 1000      0       Dec-1996       2        7       0        545
## 1001      0       Jan-2001       0        2       0      12485
## 1002      0       Jul-1980       0       14       0      49635
## 1003      0       Aug-2009       0        8       0       9224
## 1004      0       May-1995       1        9       0      11377
## 1005      0       Jun-1990       1        7       1       4255
## 1006      0       Oct-2004       1        5       1      11455
## 1007      0       Feb-1995       0        9       1      15773
## 1008      0       Mar-2004       1        7       0       7910
```

```
## 1009          0          Dec-2006          1          10          1          5708
## 1010          0          Mar-1983          3          23          0         12410
## 1011          0          Mar-1989          0           4          0         15940
## 1012          0          Oct-1998          1          13          1         15165
## 1013          0          Sep-1999          0           9          0         13691
## 1014          0          Oct-1992          0           4          0          8728
## 1015          0          Aug-1991          1          12          0         18620
## 1016          0          Jul-2000          0           4          0          2413
## 1017          0          Sep-1997          0           9          0         27930
## 1018          0          Oct-2000          0          10          0          4713
## 1019          0          Nov-1993          0           6          0         15041
## 1020          0          Jun-1999          0           8          0          5284
## 1021          0          Jan-1969          0           7          0         10501
## 1022          0          Jul-2002          0           3          0             0
## 1023          0          Jan-1993          0          13          0         21379
## 1024          0          Aug-2000          0          11          0          2621
## 1025          0          Feb-1999          0           7          0         11277
## 1026          0          Dec-1999          0           5          0          9518
## 1027          0          Nov-2002          0           5          0             0
## 1028          0          Dec-2005          0           4          0           599
## 1029          0          Dec-1994          0           8          1          2817
## 1030          0          May-2000          0           6          0         11464
## 1031          0          Jan-1993          0           4          0          1921
## 1032          0          Dec-2006          1           4          0          5237
## 1033          0          Mar-1999          1           6          0          3442
## 1034          0          Mar-2000          1           7          0          5366
## 1035          0          Jun-2005          0           8          0          5862
## 1036          0          Aug-2002          0           9          0          5565
## 1037          0          Sep-2008          0           7          0          5424
## 1038          0          Jun-2000          0           3          0             0
## 1039          0          Jan-1992          0          10          0          6490
## 1040          0          Apr-1996          0           7          0          4338
## 1041          0          Jul-1999          1          16          0         64920
## 1042          1          Jul-2005          0           7          0          5172
## 1043          0          May-2005          1           4          0          1799
## 1044          0          Aug-1988          1           4          1          1629
## 1045          0          Feb-2005          4           3          0             0
## 1046          1          Sep-1996          2          10          0         12304
## 1047          0          Aug-1999          2          11          0         11379
## 1048          2          Apr-2000          3           3          0           344
## 1049          0          Jan-1997          1          13          1         40234
## 1050          0          Mar-1995          2           5          0          2879
## 1051          0          Mar-1987          0          34          0         90527
## 1052          0          May-2004          0          11          0         14919
## 1053          1          Mar-1989          0           3          0          7063
## 1054          2          Feb-1985          0           8          0         20571
## 1055          0          Nov-1962          0          14          2         11454
## 1056          0          Dec-1991          1          27          0         12519
## 1057          0          Mar-1997          2          26          1         37331
## 1058          0          Oct-1997          3          12          1          7304
## 1059          0          Jun-2002          0           5          0         10086
## 1060          0          Jun-1977          0           4          1         30513
## 1061          3          Mar-1987          3          12          0         10099
## 1062          0          Aug-1999          2          10          1          7608
```

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## 1063     0    Nov-2000    0     7    0    29673
## 1064     1    Nov-1996    0     9    0    18920
## 1065     0    Aug-1981    0     6    0     4974
## 1066     0    May-1977    0     4    1     6522
## 1067     0    Jun-1987    0     9    0    16547
## 1068     0    Oct-2000    1    20    0     3868
## 1069     0    Aug-2006    3    11    1     9284
## 1070     1    Apr-1996    0     7    0    10841
## 1071     0    Jun-2005    0     9    0     4379
## 1072     0    Jul-2002    1     6    0     4443
## 1073     0    May-1977    1     9    0    13985
## 1074     1    Aug-1999    0    13    0     7893
## 1075     0    Oct-1996    1    10    1     5932
## 1076     0    Dec-1998    1     7    0     5195
## 1077     0    Dec-2001    0    11    0    17241
## 1078     0    Jan-1998    0     6    0     3870
## 1079     0    Feb-1996    0     7    1     2801
## 1080     0    Aug-1990    0     8    0     4608
## 1081     0    Jun-1997    0     7    0     7637
## 1082     0    Dec-1995    1    11    1     4193
## 1083     0    Mar-1994    1    17    0    21335
## 1084     0    Dec-1979    0     5    0    26172
## 1085     0    Mar-1990    0    12    0    28253
## 1086     0    Jan-1996    0     7    0    13948
## 1087     0    Jul-2001    0     6    0    15864
## 1088     1    Aug-1977    0     9    0     2513
## 1089     1    Dec-1983    0    12    0     6782
## 1090     0    Sep-1992    0     9    1     6390
## 1091     0    Apr-2005    0     9    0     9692
## 1092     1    Mar-1995    0     4    0     3335
## 1093     0    Nov-1993    1     9    0     5454
## 1094     0    Dec-1984    1     7    1     5332
## 1095     0    Apr-1985    0     6    1    21763
## 1096     0    Jan-2001    1     8    1      524
## 1097     1    Oct-1995    0    12    0    11778
## 1098     2    Nov-1996    1    10    0    18850
## 1099     0    Jan-1988    0    20    0    43568
## 1100     1    Feb-1986    1    21    0    21870
## 1101     0    Oct-2003    1     9    1     3438
## 1102     0    Jun-1986    2    16    0    69598
## 1103     0    Apr-2003    1     8    0     6597
## 1104     0    Jun-1996    3     8    0     7386
## 1105     0    Nov-1977    1    19    1     6034
## 1106     0    May-1999    2     8    0     4627
## 1107     1    Jul-1995    0    22    0    11151
## 1108     0    Aug-1984    0     9    1      187
## 1109     0    May-2002    0     8    0     4026
## 1110     0    Apr-2001    0     6    0     2949
## 1111     0    Mar-1996    0    12    0    22207
## 1112     0    Apr-2004    1    19    0    17264
## 1113     0    Oct-2011    0     7    0     6918
## 1114     0    Dec-2000    0    13    0    20073
## 1115     0    Dec-2007    0     7    0     4456
## 1116     0    Nov-1998    0    12    1    12266
```

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## 1117      0      Aug-2000      0       8      2       7689
## 1118      0      Feb-2005      1       9      0       2031
## 1119      0      Aug-2004      2      19      0      15387
## 1120      0      Sep-2004      0       3      0       1569
## 1121      0      Nov-2001      0       6      0       6617
## 1122      0      Jan-1993      4      11      0      11971
## 1123      0      Dec-2004      0      12      0      18198
## 1124      0      Dec-1976      1       5      1        559
## 1125      2      Aug-1993      1      12      2       9735
## 1126      0      Jun-1996      3      17      1       2610
## 1127      0      Nov-1990      0      11      0      27109
## 1128      0      May-1983      0       5      0      18066
## 1129      0      Nov-2001      0       5      0       2561
## 1130      0      Sep-2002      0      12      0      27501
## 1131      0      Mar-1996      1      11      0       4671
## 1132      0      Nov-1999      1      15      0      10505
## 1133      1      Mar-2006      1      13      0       6187
## 1134      0      Apr-1974      1       6      1       4572
## 1135      0      Jan-2008      2      10      0       2300
## 1136      0      Aug-2002      3      14      1       4840
## 1137      0      Dec-1980      5      22      1       6316
## 1138      0      Oct-1982      4      17      1       8909
## 1139      1      May-1998      1      13      1       2634
## 1140      0      Mar-1990      2       6      1       8016
## 1141      0      Jan-1998      0       9      0      15095
## 1142      0      Dec-2006      0       5      1       6638
## 1143      0      Nov-1978      3      12      0      10342
## 1144      0      Oct-1996      0      10      0       4283
## 1145      0      Apr-1997      0       6      0       3412
## 1146      3      Mar-1967      1      15      0      27347
## 1147      1      Feb-2002      1       8      0      50464
## 1148      1      Oct-1985      0      12      0       9456
## 1149      0      May-2005      4      18      0       2440
## 1150      0      Jul-1988      0      13      0       2169
## 1151      0      May-1978      0      18      0      13253
## 1152      0      Oct-2001      0       8      0      19744
## 1153      0      Mar-1990      0      12      0      11161
## 1154      0      Sep-1983      0       9      0      18056
## 1155      3      Sep-1977      0      22      0      17419
## 1156      0      Jul-1976      0       5      1       7173
## 1157      0      May-1995      1      18      0       9182
## 1158      0      Jan-1964      1      25      0      30614
## 1159      1      Sep-1985      1       6      0       7314
## 1160      0      Aug-2008      1       8      2       5041
## 1161      0      Aug-2003      0       4      0       1431
## 1162      0      Sep-1974      0       9      0      10462
## 1163      0      Aug-1994      0       7      0      11136
## 1164      0      Jan-1979      0       9      0        245
## 1165      0      May-1988      0      12      0      29225
## 1166      0      Jun-1999      0      11      0      20531
## 1167      0      Nov-1988      0      14      0      18312
## 1168      0      Oct-1989      0       4      0       5221
## 1169      0      Jan-1986      0       7      0       3479
## 1170      0      Apr-1992      0       3      0        247
```

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## 1171    1    Mar-1973    0    26    0    19364
## 1172    0    Jan-1962    0    12    1     7195
## 1173    0    Jun-2007    0     5    1     5391
## 1174    0    Dec-1997    0     8    1     3709
## 1175    0    Dec-1974    0     4    1     5418
## 1176    0    Nov-1996    2    18    1    17490
## 1177    0    Aug-1996    0     4    0     3362
## 1178    0    Aug-1977    0     9    0    10100
## 1179    0    May-1993    0    24    0    21687
## 1180    0    Jul-2003    0    14    0     9875
## 1181    0    Nov-1987    1     9    0     8856
## 1182    0    Jun-1986    0    10    0    11986
## 1183    0    May-1991    0     5    0       18
## 1184    1    Dec-1988    2     9    0     5701
## 1185    0    Dec-2001    0     6    1    10676
## 1186    0    Jan-2000    1     9    0     7423
## 1187    0    Jun-1998    0     2    0    27606
## 1188    0    Jul-1995    0     3    0     4587
## 1189    0    May-1971    0     7    0     2620
## 1190    0    Jun-1997    0     2    0     9286
## 1191    0    Sep-1999    0     5    0     2482
## 1192    0    Jan-1995    0     7    0     8134
## 1193    1    Aug-1979    0    23    0    11532
## 1194    0    May-1987    0     9    1     7157
## 1195    0    Oct-1975    0     6    1    11693
## 1196    0    Sep-2003    0     7    1     9175
## 1197    0    Sep-2002    0     4    1     2879
## 1198    0    Dec-1994    1    11    0    12598
## 1199    0    Aug-1997    1     8    0    23875
## 1200    0    Apr-1999    1    14    1     9096
## 1201    0    Apr-1994    2     7    1     4024
## 1202    0    May-1995    3    11    1    10537
## 1203    0    Nov-2007    0    15    0    14783
## 1204    0    Aug-2000    0    10    0    10712
## 1205    0    Dec-1980    0     5    0    23446
## 1206    0    Apr-2002    0     7    0    11302
## 1207    0    Dec-1992    0    13    0    19070
## 1208    1    Jun-1978    0    16    0     5703
## 1209    1    Apr-1979    0    19    0    14514
## 1210    1    Jul-1989    0     4    0     3327
## 1211    0    Jun-1980    1    12    0    28755
## 1212    0    Jul-1974    1    13    0    42701
## 1213    0    Oct-1980    1     8    0    18727
## 1214    0    Aug-1998    1     6    1     4832
## 1215    0    Jul-1977    1    11    1    10329
## 1216    0    Oct-1992    1    10    2     4696
## 1217    0    Aug-1989    2    46    0    21672
## 1218    0    Jan-1982    2    13    0    29412
## 1219    0    Oct-1994    2     6    1     5451
## 1220    0    May-1988    2     9    2     1980
## 1221    0    May-2001    2    12    2     7756
## 1222    0    Aug-1999    0    12    0     8177
## 1223    0    Mar-1973    0     5    0     2885
## 1224    0    Jan-1977    0    13    0    18291
```

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## 1225     1     Apr-2001     0     13     0     28605
## 1226     3     Jul-1992     0      7     0       653
## 1227     0     May-1982     0     13     2     14533
## 1228     0     Jul-2004     1      7     0      1694
## 1229     0     Jan-1994     0      8     0     25353
## 1230     0     May-1980     0      7     0      4957
## 1231     0     Feb-1989     3      8     1       911
## 1232     0     Mar-1993     0      4     0       894
## 1233     0     May-1997     2      6     0      7326
## 1234     0     Mar-2006     0     13     0     11638
## 1235     0     Jun-1979     0      8     1     43700
## 1236     0     Feb-1999     1      6     0      2604
## 1237     0     Feb-1998     1      6     0     12973
## 1238     0     Nov-2000     0      3     0      1332
## 1239     0     Dec-1992     0      9     0     22937
## 1240     1     Jul-1983     0     13     0     20999
## 1241     2     Mar-1992     0      4     0      1210
## 1242     0     Nov-2001     0      9     1      3593
## 1243     0     Nov-2002     0     13     1     10017
## 1244     0     Oct-2004     0      2     2      7184
## 1245     0     Oct-1977     1      7     0      3254
## 1246     0     Apr-2007     1      7     0      2017
## 1247     0     Jul-2005     1      5     0       240
## 1248     1     Dec-1994     3     11     0      5701
## 1249     0     Dec-1979     0      6     0      4196
## 1250     0     Sep-2011     1      6     0       734
## 1251     0     Dec-1974     4     20     1     10878
## 1252     0     Nov-1995     1     10     1      2731
## 1253     0     Jun-1983     1     13     1      6624
## 1254     0     Feb-1992     0      9     1      4691
## 1255     0     Nov-2007     0      8     0      7671
## 1256     0     Feb-2004     1     13     0      6407
## 1257     0     Apr-1997     1      4     0      5389
## 1258     0     Nov-1998     2     10     0     10572
## 1259     0     Feb-2000     1      6     0      4877
## 1260     0     Mar-1975     2     11     1     13147
## 1261     0     Sep-1964     0      5     0     21425
## 1262     0     Dec-2005     0     19     0      4961
## 1263     0     Dec-2001     0     12     1      9183
## 1264     0     Dec-1999     3      5     0      4901
## 1265     4     May-1999     0     24     2      2872
## 1266     1     Jan-1985     1      9     0      8320
## 1267     0     Oct-2000     1     12     1      2007
## 1268     0     Jul-2004     2     14     0     18609
## 1269     0     Mar-2006     2      3     0      1547
## 1270     0     Mar-1986     0      7     1      4430
## 1271     0     Feb-2004     2      5     0       678
## 1272     0     Oct-2002     1      7     0      9566
## 1273     0     Oct-2005     1      5     0      6681
## 1274     0     Mar-1969     0      5     0      7022
## 1275     0     Sep-1993     0      6     0     10430
## 1276     0     Feb-1989     0     19     0     61634
## 1277     0     Nov-1979     0     21     0     26895
## 1278     0     Mar-1996     0      7     1      7191
```

```
## 1279     1    Jan-1973    1   26   2   53817
## 1280     0    Jul-2004    0    6   0   12160
## 1281     0    Jul-1990    0   17   0    3777
## 1282     0    Sep-1989    1    5   0   30722
## 1283     0    Oct-1962    0    7   0     115
## 1284     0    Jan-1997    3    9   0    9601
## 1285     0    Jul-1975    0   11   0    6862
## 1286     0    May-1976    0   13   0    4695
## 1287     0    May-1986    0    5   0   19893
## 1288     0    Oct-1987    0    7   0   12414
## 1289     0    Apr-2005    0   10   0    7699
## 1290     0    Jun-1975    1   20   1    3762
## 1291     0    Mar-1983    0    6   0    3198
## 1292     0    Nov-1995    1    7   0    4340
## 1293     0    Apr-1995    0    9   0    2822
## 1294     0    Sep-2001    0   11   1    5355
## 1295     0    Dec-1978    1    8   0   18424
## 1296     3    Sep-1990    0   13   0    1670
## 1297     0    May-1985    0   23   0   11636
## 1298     0    Sep-1967    0    7   0    8840
## 1299     0    Sep-1975    0    7   0   19316
## 1300     0    Nov-1984    0   10   0    6940
## 1301     0    Jun-2004    0    6   0   13200
## 1302     0    Dec-1981    1    9   0   10812
## 1303    11    Nov-1989    2   14   0    6121
## 1304     0    Apr-1972    0   19   1   38550
## 1305     0    Oct-2000    1   13   1   16852
## 1306     0    Sep-1994    0   17   0   14592
## 1307     0    Mar-1975    0   13   0   24182
## 1308     0    Aug-1987    0   14   0   19384
## 1309     0    Jul-2010    0   12   0    8182
## 1310     1    Sep-2003    1   11   0   10438
## 1311     0    Jul-1979    4    8   0   24650
## 1312     0    Jul-1992    2    6   2    1511
## 1313     0    Apr-1998    1    8   0    2054
## 1314     0    Jul-1987    0    8   1      69
## 1315     0    Mar-1986    5    6   0    7962
## 1316     0    Aug-1998    1   13   0   22709
## 1317     0    Jan-1998    3   10   0   17050
## 1318     0    Dec-1982    4    9   0   12141
## 1319     0    Jan-2003    0    8   0    8817
## 1320     0    Aug-1998    0   18   0   62334
## 1321     0    Apr-1993    4   14   0   12460
## 1322     0    Nov-1993    7   13   1   11854
## 1323     0    Aug-1997    0    6   1   11985
## 1324     0    Jun-1999    0   25   0   27271
## 1325     0    Nov-1995    0    5   0    6109
## 1326     0    Apr-1977    0    9   1    9220
## 1327     0    Mar-1979    1    8   0   13060
## 1328     0    Jan-1990    0    6   0    4279
## 1329     0    Jun-2000    0   12   0    6187
## 1330     0    Oct-1995    0    8   0    2519
## 1331     0    Jul-2010    0    4   0    3539
## 1332     0    Oct-2002    0   12   0    7475
```

```
## 1333        0        Nov-2004        1        10        0         2028
## 1334        0        Jan-1959        2        13        3         2418
## 1335        0        Jul-2000        0        13        0         9105
## 1336        0        Mar-2004        0         4        1         2365
## 1337        1        Jul-1998        4         5        0          794
## 1338        0        May-2004        0         4        0         3099
## 1339        0        Sep-1986        0        14        0        17597
## 1340        0        Sep-1993        0        11        0         9440
## 1341        1        Mar-1989        0         8        0         5092
## 1342        1        May-1973        0         8        0        19585
## 1343        0        Nov-1991        0        26        1        23059
## 1344        0        Jan-2006        0        11        3         8923
## 1345        0        Dec-1962        1        15        0        38946
## 1346        0        Feb-1969        0        21        0        30200
## 1347        0        Sep-1997        0         3        0        10223
## 1348        0        Sep-1996        0        11        0         7200
## 1349        0        May-2003        0         6        0        23652
## 1350        0        Jul-2001        1        15        0        10463
## 1351        0        Apr-1998        0        12        0        10127
## 1352        0        Jan-1984        1         7        1        11472
## 1353        0        Aug-2007        0         6        0         1552
## 1354        0        Mar-2000        0         4        1         5245
## 1355        0        Oct-1990        0         6        1         5395
## 1356        0        Oct-1987        0        11        0        19438
## 1357        0        Nov-1998        1        10        0         2039
## 1358        0        Jun-1999        0        24        0        19918
## 1359        0        Apr-1979        0        17        0         3154
## 1360        0        Oct-1995        0        10        0         3843
## 1361        0        Apr-1991        0        20        0        48935
## 1362        0        Feb-1991        0         6        0        12264
## 1363        0        Nov-1983        0        13        0        11978
## 1364        0        Jul-1999        0         8        0        19216
## 1365        0        May-1992        0         8        0         7508
## 1366        0        Jan-1996        0        12        0        27194
## 1367        0        Jun-2000        0        12        0        14958
## 1368        0        Dec-1987        0        12        0        18351
## 1369        0        Nov-1984        0         7        0        10364
## 1370        1        Oct-1985        0         7        0         6944
## 1371        1        Nov-1978        0        16        0        41715
## 1372        1        Jul-1973        0        22        0        22802
## 1373        0        May-1995        0         4        1         5891
## 1374        0        Oct-1992        0        11        1        19516
## 1375        0        Oct-2001        0         6        1         8915
## 1376        0        Oct-1992        0         9        1         3671
## 1377        0        Feb-2007        0         9        2         3216
## 1378        0        Dec-1977        1        19        0        23239
## 1379        0        Oct-1975        1        16        0        16955
## 1380        0        Feb-1973        1        13        0        28573
## 1381        0        Aug-1990        1        10        1         5725
## 1382        0        Apr-2000        2        12        0         9064
## 1383        0        Dec-1971        0         6        0          161
## 1384        0        Jul-1967        0        17        0        39085
## 1385        0        Mar-1982        0         8        0         6191
## 1386        0        Dec-1983        0        12        0        19292
```

```
## 1387    0    May-1997    0    11    0    46545
## 1388    0    Dec-1978    0    12    0    18586
## 1389    0    Jan-1978    0    11    0    15843
## 1390    0    Sep-2000    0    12    0    24174
## 1391    0    Jan-2004    0    14    0    11196
## 1392    0    Nov-1980    0    11    0    26176
## 1393    0    Jun-1981    0    13    0    38242
## 1394    0    Dec-1994    0    10    0    11081
## 1395    0    Mar-1994    0    13    0    15677
## 1396    0    Mar-1986    0    17    0    22933
## 1397    0    Aug-1995    0    18    0     5703
## 1398    0    Nov-2001    0    27    0     6200
## 1399    1    Apr-1987    0    11    0    17386
## 1400    1    Feb-1968    0    16    0    95491
## 1401    2    Mar-1995    0    11    0    12597
## 1402    2    Aug-2000    0     9    0     4267
## 1403    2    Jun-1994    0    15    0     8119
## 1404    5    Aug-1989    0    20    0    20442
## 1405    0    Apr-1995    0    18    1     8138
## 1406    1    Sep-1976    0     9    1     2315
## 1407    0    Jan-1981    1     8    0    22357
## 1408    0    May-1980    1    10    0    14007
## 1409    0    Nov-1993    1    13    0    19868
## 1410    0    Jan-1990    1    10    0    14073
## 1411    0    Nov-1995    1    13    0    41846
## 1412    1    Jan-1995    1    17    0    30765
## 1413    0    Jun-2001    1     9    1     9355
## 1414    8    Feb-1981    1    14    2    14974
## 1415    0    Nov-1987    0    11    0     7204
## 1416    0    Dec-2000    0    12    0    13749
## 1417    0    May-2002    0    21    0    14542
## 1418    0    Jan-1982    0     8    0    11737
## 1419    1    Jan-1983    0    13    0    20181
## 1420    0    May-1997    0    12    1     3941
## 1421    0    Sep-1998    1     9    0    18169
## 1422    0    May-2006    1     7    0     6934
## 1423    0    Oct-1995    0     9    0     2225
## 1424    0    Mar-1997    0     8    3    10741
## 1425    0    Aug-1997    0     9    0     5768
## 1426    0    Mar-1998    0    12    0    30080
## 1427    0    Sep-1990    0    11    0    12871
## 1428    2    May-1978    1     9    0    27368
## 1429    0    Nov-1979    0     7    0     2213
## 1430    0    Aug-1996    0     6    0     4016
## 1431    0    Aug-1981    1    13    0    14350
## 1432    0    Jan-1999    1    14    0     2791
## 1433    0    Aug-1995    1     9    1    42661
## 1434    0    Mar-1994    0    14    0     4059
## 1435    0    Sep-1984    1    18    0    15982
## 1436    0    Jun-1986    2     8    0     7791
## 1437    0    Jun-1995    0     7    0     1560
## 1438    0    Feb-1998    0     6    0     7835
## 1439    0    Apr-1994    0     3    0     2799
## 1440    0    Dec-1997    3    15    1     5642
```

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## 1441        0        Feb-1994           0       18       0       17973
## 1442        0        Feb-1968           0        6       0        6169
## 1443        0        Apr-1976           0        6       0        5444
## 1444        1        Sep-1994           0       17       0       10545
## 1445        0        Sep-1995           5        4       0        4204
## 1446        1        Aug-1996           0        3       0           0
## 1447        0        Nov-1983           1        6       1        3797
## 1448        0        Apr-2011           0        5       0        4627
## 1449        1        Jun-1995           0       16       1        4847
## 1450        0        Mar-1991           1       11       0       20236
## 1451        1        Mar-1995           1       13       3        9912
## 1452        0        May-1999           0        8       0       11079
## 1453        0        Feb-1993           0       12       1        9015
## 1454        0        Dec-1986           1        9       0        6944
## 1455        0        Jun-1976           1       15       0        7840
## 1456        0        Aug-2005           1        5       0        4686
## 1457        0        Sep-1998           2       13       0        6824
## 1458        0        Jun-1986           2       12       1       11975
## 1459        0        Mar-1988           2       13       0       19991
## 1460        1        Sep-1997           0       11       0        5194
## 1461        0        Aug-2006           0        2       0         216
## 1462        2        Jul-2000           0        2       0         563
## 1463        0        Mar-2012           1        8       0        4072
## 1464        0        Aug-2003           0        5       1        4533
## 1465        0        Nov-1987           1       16       0       20533
## 1466        0        Jun-2006           1       22       0       26299
## 1467        1        Jan-1999           0       22       0        9142
## 1468        0        Jun-2005           2       17       0       14124
## 1469        0        Dec-2003           0       12       0        7437
## 1470        2        Aug-1999           0        8       0       12124
## 1471        1        Oct-1994           0        6       2        4947
## 1472        0        Aug-1997           2       11       0        3260
## 1473        0        Mar-1989           1       12       0       10195
## 1474        0        Jan-2005           2       15       0       11312
## 1475        0        Jul-1994           0       12       0       10241
## 1476        0        Dec-1983           0       26       0        9867
## 1477        0        May-1982           0        8       0       13853
## 1478        0        Jan-1997           0        9       0        8991
## 1479        0        Sep-2010           1        6       0       15827
## 1480        0        Jan-1992           3       12       0       11900
## 1481        0        Feb-2009           1       13       1       10814
## 1482        0        Aug-2008           0       10       0        4550
## 1483        0        Dec-2002           0        7       1        2387
## 1484        0        Aug-1967           0        6       0        6627
## 1485        0        Jul-2000           0        8       0        5695
## 1486        2        Apr-1989           0       18       0       32316
## 1487        0        Dec-1982           0        4       1        5263
## 1488        0        Feb-1987           1       11       1        7453
## 1489        0        Jan-2006           2       11       0        3344
## 1490        0        Sep-1990           2       11       1        1844
## 1491        0        May-2002           0       17       0        7530
## 1492        0        Nov-1998           2       17       0        9231
## 1493        0        Nov-1998           1        4       0        9347
## 1494        0        May-2003           1        9       0        2207
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## 1495     0     Aug-2006     0      2     0      1605
## 1496     0     Sep-2000     0      7     0     17979
## 1497     0     Feb-1991     0      4     0      2118
## 1498     0     May-1996     2     10     0      1675
## 1499     0     Aug-1995     2     15     1     14030
## 1500     1     Apr-2006     2     12     0     11037
## 1501     3     Aug-1982     0     11     0      6030
## 1502     0     Apr-1993     0      7     0      4585
## 1503     0     Oct-1984     0     18     0     22767
## 1504     0     Aug-1988     0     15     1     15129
## 1505     0     Jan-1994     0     10     1      3480
## 1506     0     Aug-1998     0     15     1      1131
## 1507     0     May-2005     1      6     0      7663
## 1508     0     Jul-1990     1     13     0      7236
## 1509     0     Jul-1993     1     13     2      5972
## 1510     1     Jun-2005     2     17     0     11731
## 1511     0     Jan-1966     5     17     1     11342
## 1512     0     Nov-1983     0      8     0     11251
## 1513     0     Jun-2001     0      6     0      4039
## 1514     2     Sep-1982     0      7     4     16915
## 1515     0     Jul-2004     2      5     0      4409
## 1516     0     Sep-1980     2     16     0      2083
## 1517     0     Jun-1996     0      6     0     49668
## 1518     0     Aug-2006     1      5     0      3465
## 1519     0     Sep-2010     1     22     0      3053
## 1520     1     Jul-1995     1     15     0     34752
## 1521     0     Jan-2003     0      4     0      4402
## 1522     0     Jul-1995     2      2     0      1922
## 1523     0     Jun-1982     3     23     0     43933
## 1524     0     Aug-1976     0     12     0      3406
## 1525     0     Jun-1985     1      6     0      9770
## 1526     0     Jul-2003     0     10     0      8817
## 1527     0     May-1980     0      5     0      1774
## 1528     0     Dec-2010     1      8     0      6362
## 1529     0     May-2000     1     11     0      5075
## 1530     0     Jan-1974     2     11     1     20472
## 1531     0     Mar-1986     0      8     0     18806
## 1532     0     Jan-1987     0     10     1      2704
## 1533     0     Aug-1983     1     10     0     19603
## 1534     0     Nov-1989     0     12     0     13904
## 1535     0     Feb-1991     1      8     1      5139
## 1536     0     Dec-1974     2      4     0     24881
## 1537     1     Jan-1987     0      3     0     30284
## 1538     0     Aug-1994     1     10     0     21577
## 1539     0     Aug-1998     0      6     0     28502
## 1540     0     Nov-2011     0      8     0      7272
## 1541     0     Aug-1996     0      1     0      4367
## 1542     0     Dec-1996     0      7     0     41129
## 1543     0     Nov-1994     0      9     0      5886
## 1544     0     Oct-2001     0     11     0      9216
## 1545     0     Feb-2012     0      4     0      6459
## 1546     0     May-2010     0      7     0      4567
## 1547     0     Mar-2001     0      9     0     19073
## 1548     6     Oct-1999     0     24     0     26044
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## 1549    0    May-1974    0     9    1     2401
## 1550    0    Jan-1979    0     6    1     1094
## 1551    0    Aug-2006    0     9    1     4095
## 1552    0    Dec-1974    0     6    1     8173
## 1553    0    Feb-1968    0    13    1     5190
## 1554    0    Aug-2005    0    19    1    16252
## 1555    0    Dec-1983    0     9    1    17389
## 1556    1    Jan-2000    0    11    1     4534
## 1557    0    May-1996    1    12    0     5737
## 1558    1    Nov-1987    1    10    0    22485
## 1559    1    Dec-1992    1     9    0    15817
## 1560    0    Apr-2004    1    10    1     8032
## 1561    0    Feb-1984    1     9    1     6189
## 1562    0    May-1994    1     6    1     2750
## 1563    0    Aug-1993    1     8    1    12145
## 1564    0    Mar-1997    1    12    3     8765
## 1565    0    Feb-1988    2     7    0    13183
## 1566    0    May-1992    2    20    0    30583
## 1567    0    Jul-1996    2    10    1     4883
## 1568    0    Jun-1999    0    12    0     6789
## 1569    0    Jul-1987    0     3    0     2422
## 1570    0    Aug-2001    0    12    0    11489
## 1571    0    Dec-1998    0    15    0    11805
## 1572    0    Nov-1991    0     4    0     4762
## 1573    0    Sep-2004    0    10    0    15335
## 1574    0    Jun-2003    0     4    1     1946
## 1575    0    Jan-1975    0    11    1    12985
## 1576    0    Nov-1997    0    10    1     6927
## 1577    0    Mar-1997    0     8    6     2759
## 1578    0    Mar-1995    1    12    1     4702
## 1579    0    Aug-1983    2    17    0     9339
## 1580    0    Dec-1980    2    15    1     8537
## 1581    0    Sep-1994    2    13    2     5277
## 1582    0    Nov-2003    2     8    2     7747
## 1583    0    Jun-2000    0     8    0     8726
## 1584    0    Jun-2001    1    11    0    10783
## 1585    0    Jun-2002    1     7    2     2874
## 1586    0    Mar-2000    0    15    0     9194
## 1587    0    Nov-1971    0     9    1    20976
## 1588    0    Jun-1997    0     5    1     6597
## 1589    0    Apr-1987    0     7    0     3689
## 1590    1    Jul-1991    0    11    0    20374
## 1591    0    Apr-1995    0    11    3     3767
## 1592    0    Aug-2007    0     5    0     6120
## 1593    0    Sep-2003    1     7    0     7243
## 1594    0    Jun-2006    2     7    0    12562
## 1595    0    Dec-1988    2    12    0    19326
## 1596    0    Jan-1982    0     9    0      386
## 1597    0    Sep-2011    0     3    0    15088
## 1598    0    Sep-2003    3     8    1     6877
## 1599    0    May-1982    1     5    0     6084
## 1600    0    Aug-1988    0     9    0     8187
## 1601    0    Jul-1997    2    14    0     6352
## 1602    0    Mar-1983    0    15    0    45861
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## 1603       0       Jul-1985       0       6       0       11928
## 1604       0       May-1995       0       7       0       29536
## 1605       0       Mar-1973       0       6       0        9209
## 1606       0       Aug-1996       0       6       0       14331
## 1607       0       Apr-1986       0       5       0       24426
## 1608       0       Oct-1979       0       6       0       11052
## 1609       0       Dec-1999       0       7       3        7407
## 1610       0       Aug-1984       1      16       0       20730
## 1611       0       Aug-1996       1      12       0       18296
## 1612       0       Aug-1966       1       7       0       42820
## 1613       0       Feb-1975       1      10       2        7683
## 1614       0       Oct-1995       2       6       0       17014
## 1615       0       Dec-1990       0      13       0       38431
## 1616       0       Jan-1980       0       9       0        5991
## 1617       0       Nov-1993       0      14       0       15247
## 1618       0       May-1991       0       9       1        7812
## 1619       0       Oct-1998       1      10       0       38511
## 1620       0       Dec-1999       1      13       0       10385
## 1621       1       Oct-1983       1       4       0       20324
## 1622       0       Apr-1977       1      16       0       10388
## 1623       0       Mar-1978       0       7       0        5606
## 1624       0       Dec-1977       0      21       0       71540
## 1625       0       Feb-1983       0       9       0        9723
## 1626       0       May-1995       0       9       0       19163
## 1627       0       Jul-2001       0      11       0       16610
## 1628       0       Mar-1986       1       7       0        4865
## 1629       0       Aug-1978       2      11       0        7212
## 1630       0       Aug-1990       2       9       0       18969
## 1631       0       May-1986       0       7       0        3350
## 1632       0       May-1982       0      11       0       30348
## 1633       0       Apr-2006       0       7       0        5748
## 1634       0       Jan-2003       0      15       0        8963
## 1635       0       Nov-1995       1       9       0        4275
## 1636       0       Nov-1999       1       9       0       11559
## 1637       0       May-1970       2       9       0      115326
## 1638       0       Nov-1983       0      12       0         325
## 1639       0       Mar-1994       0       9       0         432
## 1640       0       Aug-1989       0       4       0           0
## 1641       0       Sep-1976       1      14       0        4137
## 1642       0       May-1987       2       9       0       40765
## 1643       0       Oct-1988       0       5       0        2135
## 1644       0       Dec-1996       0       5       0         721
## 1645       0       Sep-1990       0       8       0       43532
## 1646       0       Jan-1987       3       8       0        3027
## 1647       0       Oct-1989       0       9       0        2985
## 1648       0       Sep-1995       1       7       0       18530
## 1649       0       Jul-1977       0      14       0       23925
## 1650       0       Dec-1978       0      15       0       14003
## 1651       1       Mar-1990       0      12       0       12333
## 1652       0       Mar-1986       1       9       0       10242
## 1653       0       May-1999       1      11       1        2914
## 1654       0       Jul-1975       1      24       0       85005
## 1655       0       Jul-2001       0      13       1        7195
## 1656       1       Jan-1988       0       9       0        7526
```

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## 1657          0       Dec-2003        1        6       0       1340
## 1658          0       Jan-1979        0        9       0       4725
## 1659          0       Aug-2005        0       14       0       9422
## 1660          0       Sep-1991        0       18       0      51808
## 1661          0       Dec-1977        0       25       0      57951
## 1662          0       Nov-1990        0        9       0      23394
## 1663          0       Aug-1987        0       12       0      32468
## 1664          0       Feb-1991        0       24       0      24084
## 1665          4       May-2002        0       10       0      29558
## 1666          0       Dec-1996        0       10       1       7363
## 1667          0       May-2001        0        3       2       3647
## 1668          0       Jun-1996        1       22       0      30177
## 1669          0       Apr-1999        1       13       0      13982
## 1670          0       Jun-1999        1        7       0       5443
## 1671          0       Nov-1990        1        5       1       2691
## 1672          0       Aug-1997        1        7       3       3742
## 1673          0       Jun-1994        2       12       0      18603
## 1674          1       Apr-1995        2       10       1      11845
## 1675          0       Nov-2004        3        7       0       6367
## 1676          0       May-1983        0       12       0      32236
## 1677          0       Dec-1977        0       10       0       9799
## 1678          0       Aug-2006        0        4       0      12083
## 1679          0       Jul-1980        0       12       0      46884
## 1680          0       Aug-1988        0       22       0      17118
## 1681          0       Jun-1999        0        7       0      10868
## 1682          0       Nov-2000        0       15       0      22390
## 1683          0       Sep-1998        0        8       0      46428
## 1684          0       Sep-1998        0       10       0      13660
## 1685          0       Jun-1977        0        9       0     165182
## 1686          0       Oct-1993        0       11       0      30866
## 1687          0       May-1998        0        7       0       1882
## 1688          1       Nov-1980        0       20       0      65306
## 1689          1       May-1997        0       14       0      11874
## 1690          0       Dec-1975        0       11       1      12074
## 1691          0       Dec-1990        0        9       1       4899
## 1692          1       May-1999        0        7       1       1669
## 1693          0       Mar-1990        0        7       2       6689
## 1694          0       Oct-1991        0       17       5      12414
## 1695          0       Dec-1992        1       18       0      12866
## 1696          1       Nov-1997        1       10       0      13414
## 1697          2       Sep-1986        1        8       0      12298
## 1698          0       Oct-1979        1        6       1        814
## 1699          0       Feb-2001        1        4       1       3093
## 1700          0       Sep-1987        1       15       1      47101
## 1701          0       Aug-2001        2        8       0       5193
## 1702          1       Jul-1993        2        9       1       6614
## 1703          0       Oct-2001        3       13       0      22668
## 1704          0       Nov-1991        0        6       1       4423
## 1705          1       Jun-1981        0       12       2       4735
## 1706          0       Sep-2003        1       14       0       3028
## 1707          0       Feb-2000        1        6       1       2894
## 1708          1       Mar-2003        1       13       1       5749
## 1709          0       Aug-1982        0       12       1       9584
## 1710          1       Jun-1977        0       10       1       2974
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## 1711        0        Jul-1985        0        6        1        5017
## 1712        0        Feb-1987        0       10        0       17190
## 1713        0        Oct-1990        0        9        0        9412
## 1714        0        Sep-1987        0       11        0       16536
## 1715        2        Feb-1987        0        9        0        6155
## 1716        0        Nov-1994        0       17        6        7671
## 1717        1        Nov-1996        1       14        0       32113
## 1718        0        Jan-2002        1       10        1       10383
## 1719        0        Feb-2000        2        8        0       10265
## 1720        0        Feb-2002        2       11        0       25203
## 1721        0        Sep-2001        2        8        0        7762
## 1722        0        Nov-1975        0        4        0       29370
## 1723        0        Feb-1975        0       15        0       32676
## 1724        0        May-1987        0       14        0       37520
## 1725        1        Sep-1992        0       10        0        3926
## 1726        0        Apr-1995        1       12        0       16587
## 1727        0        Sep-1985        1       13        0       29394
## 1728        0        Feb-1995        1        9        0        3326
## 1729        0        Feb-1983        1       19        0       33453
## 1730        0        Aug-1999        1       13        0        8903
## 1731        0        Dec-2001        1        7        0        7490
## 1732        1        Mar-1987        1       16        0       32299
## 1733        0        Sep-1998        2       10        0       35389
## 1734        0        Sep-1984        2        9        1        1439
## 1735        2        Aug-1986        3        8        0        3751
## 1736        0        Dec-1989        4       14        0        9324
## 1737        0        Apr-2008        4        9        0        4500
## 1738        0        Sep-2003        1        6        0       11383
## 1739        0        Sep-1991        1       13        0       20101
## 1740        0        Mar-1982        0        6        0       19847
## 1741        0        Aug-1988        0        4        1        4850
## 1742        0        Jan-1997        0       19        0       14903
## 1743        1        Oct-1997        0       10        0       12639
## 1744        0        Feb-2000        0        6        0       10848
## 1745        0        Feb-1990        1       10        0        5826
## 1746        0        Jun-1979        1        8        1        5131
## 1747        0        Aug-2004        0       15        0        8436
## 1748        0        Feb-1992        3        3        0        5661
## 1749        0        Nov-1993        0       10        0        5220
## 1750        0        Sep-1986        2       14        0       24311
## 1751        0        Jul-1996        0        5        1        5391
## 1752        0        Jan-1997        0        7        0        5939
## 1753        1        Mar-1993        0        9        0        7447
## 1754        0        Feb-2000        1        8        0        6719
## 1755        0        Oct-1988        1        5        0        6444
## 1756        0        Oct-1987        0        5        0        5769
## 1757        2        Apr-1995        0       13        1        8105
## 1758        0        Mar-2000        0        3        0        1828
## 1759        2        May-1974        1       16        0        6375
## 1760        0        Oct-1985        0        6        0         778
## 1761        0        Aug-2001        0        5        0       12467
## 1762        0        Jun-2002        3        9        1        5577
## 1763        0        Sep-1983        0       13        0         229
## 1764        0        Oct-1988        0       14        1       12512
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## 1765       0        Jul-1980       0        11       0        25483
## 1766       0        Nov-2004       0        6        0        7634
## 1767       0        Mar-1982       0        7        0        28479
## 1768       0        Dec-2005       0        6        0        4421
## 1769       0        Apr-1991       0        28       0        7202
## 1770       0        Apr-1998       0        2        0        12323
## 1771       0        Feb-1994       0        3        0        4331
## 1772       0        Jul-2009       0        5        0        8136
## 1773       0        Mar-1993       0        7        0        21289
## 1774       0        Feb-1987       0        18       0        28753
## 1775       0        Apr-1997       0        9        0        1560
## 1776       0        Dec-2003       1        8        0        6845
## 1777       0        Aug-1964       1        6        0        7060
## 1778       0        Jan-2002       1        8        1        8419
## 1779       0        May-1977       2        9        1        10217
## 1780       0        Mar-2005       0        6        0        8496
## 1781       0        Jul-1985       0        26       0        11210
## 1782       0        Sep-1998       0        15       0        4723
## 1783       0        Jan-1995       0        6        0        18773
## 1784       1        Jul-2001       0        14       0        8855
## 1785       1        Jan-1999       0        6        0        13319
## 1786       0        May-2002       0        10       1        2815
## 1787       0        Dec-2000       0        3        1        965
## 1788       0        Oct-1995       0        5        1        799
## 1789       0        Jul-1995       0        10       1        5647
## 1790       0        Mar-1994       0        11       1        5905
## 1791       0        Dec-1994       0        6        2        22749
## 1792       0        Nov-1986       1        10       0        18427
## 1793       0        Dec-2003       1        13       1        6163
## 1794       0        Jun-2004       1        19       1        6640
## 1795       0        Mar-1988       1        9        2        23191
## 1796       0        Jun-1978       0        9        0        2033
## 1797       0        Oct-1993       1        5        1        4477
## 1798       1        Sep-2006       2        13       0        5499
## 1799       0        Jan-2000       0        5        0        3644
## 1800       0        Feb-1992       0        5        1        4580
## 1801       1        Feb-1996       0        6        0        1737
## 1802       0        Jun-1991       0        8        1        1740
## 1803       0        Oct-1988       1        14       1        9208
## 1804       1        Aug-1986       1        13       1        3805
## 1805       0        Jul-1988       2        6        0        4548
## 1806       0        Aug-2003       2        6        0        4140
## 1807       0        Aug-2004       0        10       0        10590
## 1808       0        Feb-1974       1        8        2        8166
## 1809       0        Jul-2006       2        4        0        718
## 1810       0        May-1969       0        5        0        18771
## 1811       0        Feb-1997       2        8        0        3040
## 1812       0        Oct-2001       4        10       0        34018
## 1813       0        Mar-1994       0        5        0        9090
## 1814       0        Mar-2004       0        2        0        806
## 1815       0        May-2004       1        7        0        5203
## 1816       0        Jul-1994       2        7        2        3913
## 1817       0        Jun-2007       1        4        1        261
## 1818       1        Aug-2001       4        3        1        1236
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## 1819    0    Jun-1989    0     7    1      4872
## 1820    0    Nov-1999    5    12    1      3446
## 1821    0    Jun-1997    1    10    1      8139
## 1822    0    Feb-2000    0    11    0     17001
## 1823    0    Jan-1972    0    12    0     37182
## 1824    0    Oct-1994    0     8    1     24732
## 1825    3    Jan-1993    0    10    0     16173
## 1826    0    May-1966    0    19    0     23478
## 1827    0    Jan-1994    0     7    0     23272
## 1828    0    Feb-2008    0    16    0      8461
## 1829    0    Nov-1994    4     8    0      2034
## 1830    0    May-1980    0     5    0     10033
## 1831    0    Dec-2007    0    11    0      6054
## 1832    0    Apr-1998    0     6    0      4542
## 1833    0    May-1987    0    21    0     18509
## 1834    0    Oct-1985    0    23    1      6204
## 1835    0    Mar-2011    3    11    0      5880
## 1836    0    Aug-2002    0    10    0     15775
## 1837    0    Jun-1981    0    12    0     12970
## 1838    0    Mar-1982    0     9    0      6366
## 1839    0    Nov-2001    1    11    1      4952
## 1840    0    Aug-1984    0     8    0      5007
## 1841    0    Dec-1980    0    11    1     10551
## 1842    0    Feb-1999    1     5    0     14142
## 1843    0    Aug-1997    0    10    0     20959
## 1844    0    Dec-1972    0    14    0     10977
## 1845    0    Dec-1968    0    16    0     33949
## 1846    0    Dec-1985    0     6    0     16603
## 1847    0    Jun-1986    0    15    0     34846
## 1848    0    Jul-2003    0    14    0      9183
## 1849    0    May-1970    0    15    0     28390
## 1850    0    Jul-1985    0    11    0     18917
## 1851    0    Jan-2001    0     7    0     22457
## 1852    0    Dec-1997    0    10    0     27027
## 1853    0    Sep-1989    0    14    0    107329
## 1854    0    Aug-1976    0    16    0     48366
## 1855    0    Mar-2002    0     8    0      5893
## 1856    0    Mar-2001    0    11    0      8333
## 1857    0    Oct-2001    0    11    0     11443
## 1858    0    Mar-1997    0     5    0      5123
## 1859    0    Nov-1996    0    16    0     23825
## 1860    0    Oct-1996    0    11    0     28863
## 1861    0    Sep-1986    0     7    0      5626
## 1862    0    Oct-1994    0     8    0     27715
## 1863    0    Sep-1996    0    11    0     27794
## 1864    0    Nov-1999    0     3    0      8353
## 1865    0    Nov-1989    0    15    0     42285
## 1866    1    Oct-1995    0     9    0     15494
## 1867    1    Dec-1962    0    16    0      9017
## 1868    2    Jul-2003    0    12    0      4066
## 1869    2    Jun-1988    0     8    0      3537
## 1870    0    Feb-1976    0     9    1     17865
## 1871    0    Jun-1983    0     7    1     10864
## 1872    0    Dec-1990    0    13    1      8297
```

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## 1873          0       Aug-1988      1       5       0       10007
## 1874          0       Sep-1992      1      16       0       13028
## 1875          0       Feb-1998      1      10       0        2952
## 1876          0       Aug-1960      1      21       0       48373
## 1877          0       Nov-1989      1      16       0       40594
## 1878          0       Nov-1978      1       4       0        5597
## 1879          0       Nov-2005      1       6       0        7661
## 1880          0       Aug-1971      1      10       0       24979
## 1881          0       Aug-2005      1       9       0       10845
## 1882          1       Feb-2000      1       7       0       21714
## 1883          2       Sep-2001      1      11       0       13150
## 1884          0       Oct-2003      1      11       1        4857
## 1885          0       Oct-1995      1       7       1       12082
## 1886          0       Jul-2000      1      11       1       17323
## 1887          0       Jul-1987      1      17       1       16143
## 1888          0       Sep-1995      2       7       0        9346
## 1889          3       Feb-1983      2      10       0       11937
## 1890          0       Oct-1987      2       6       1        2360
## 1891          0       Oct-1992      2      18       1       11525
## 1892          0       Oct-1987      2      12       1       13570
## 1893          0       Mar-1967      3      15       0        7014
## 1894          1       Dec-1992      3       9       0       11350
## 1895          3       May-1994      3      13       0        7906
## 1896          0       Jul-2008      0       8       0        1487
## 1897          0       Jul-1997      0       8       0         933
## 1898          0       Jan-2004      0       8       0        7531
## 1899          0       Aug-2003      0      12       0      111984
## 1900          0       May-1977      0      11       0       24549
## 1901          0       Apr-1994      0       8       0        9513
## 1902          0       Jul-1997      0       9       0        6189
## 1903          0       Jun-1998      0       4       0       12771
## 1904          0       Oct-1989      0       7       0        7895
## 1905          0       Oct-1999      0       7       0        6701
## 1906          0       Feb-2003      0       9       0       12709
## 1907          0       Jul-1993      0       6       0       11126
## 1908          0       Feb-2005      0       6       0       14686
## 1909          0       Apr-1983      0      10       0        7721
## 1910          0       Jul-1995      0       9       0       14028
## 1911          0       Aug-2001      0       7       0       22248
## 1912          0       Jan-1994      0       8       0        4506
## 1913          0       Feb-1995      0       9       0       38540
## 1914          0       Nov-1987      0       5       0        4029
## 1915          0       Oct-1982      0      14       0       35725
## 1916          0       Sep-1987      0       8       0       13847
## 1917          0       Nov-1998      0      16       0       19939
## 1918          0       Jun-1991      0      12       0        3423
## 1919          0       Aug-1994      0      13       0        9132
## 1920          0       Sep-1986      0      13       0       42043
## 1921          1       Feb-2001      0      11       0        5596
## 1922          1       Sep-1997      0       8       0       27858
## 1923          1       Apr-1969      0       7       0       15730
## 1924          1       Sep-1998      0      11       0       23128
## 1925          1       Oct-1984      0      10       0        4119
## 1926          1       Oct-1993      0       8       0        3543
```

```
## 1927       1        Sep-1994        0          8        0       5990
## 1928       1        Jan-1989        0         26        0      56551
## 1929       1        Oct-2002        0         17        0       1695
## 1930       1        Dec-2004        0         10        0       2126
## 1931       1        May-2006        0         18        0      24761
## 1932       2        Jul-1999        0          5        0       6624
## 1933       3        Aug-1998        0          8        0       3327
## 1934       3        Mar-1996        0         18        0      44519
## 1935       0        Jul-1995        0         10        1       8206
## 1936       0        Jul-2002        0          9        1       7445
## 1937       0        Apr-1975        0         13        1      12460
## 1938       0        Mar-1968        0          8        1       6037
## 1939       0        Oct-2001        0         13        1       7615
## 1940       0        Feb-1978        0         15        1      13357
## 1941       0        Jan-1994        0         13        1      14934
## 1942       0        Nov-2003        0         11        1       6339
## 1943       0        Feb-1999        0          9        1      30498
## 1944       0        Feb-2001        0         18        1      13911
## 1945       0        Jan-2002        0          7        1       1124
## 1946       0        Oct-1989        0          7        2      17077
## 1947       1        Feb-1981        0         16        2      17101
## 1948       0        Aug-1987        1         11        0      78323
## 1949       0        May-1985        1         13        0       9574
## 1950       0        Oct-1984        1         10        0      26291
## 1951       0        Sep-1988        1          7        0       2220
## 1952       0        Aug-1998        1         18        0      33418
## 1953       0        Feb-1998        1          6        0       2211
## 1954       0        Jul-1996        1         11        0       7342
## 1955       0        Nov-1994        1         14        0      22270
## 1956       0        Jun-2002        1         15        0      10863
## 1957       0        Oct-1999        1          8        0      35032
## 1958       0        Jul-1977        1         10        0      17655
## 1959       0        Sep-2002        1          6        0       8740
## 1960       1        Mar-2001        1          4        0       1026
## 1961       1        Oct-1977        1          8        0      15466
## 1962       1        Apr-1997        1          9        0      13428
## 1963       4        Aug-1991        1         15        0       8258
## 1964       0        Aug-1989        1          8        1       4744
## 1965       0        Jun-2001        1         18        1       8369
## 1966       0        Oct-1990        1          5        1        216
## 1967       0        Aug-1973        1          8        1      15941
## 1968       0        May-2001        1         13        1      38544
## 1969       0        Oct-1977        1         10        1       8056
## 1970       0        Apr-1986        1          9        3       2140
## 1971       0        Mar-1996        2          9        0       2385
## 1972       0        Nov-2003        2          6        0       5981
## 1973       0        Dec-2001        2          7        0       5074
## 1974       0        Nov-1992        2         15        1       8067
## 1975       0        May-2002        2         15        1       6572
## 1976       1        May-1978        2          8        1       2307
## 1977       0        Jul-1999        3         18        0      14087
## 1978       0        Aug-1986        3          4        0       4648
## 1979       0        May-1988        3         14        1       3029
## 1980       0        Feb-1986        0          2        0       2134
```

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## 1981    0    Mar-2000    0     7    0     7358
## 1982    0    Mar-2001    0     9    1     2132
## 1983    1    Aug-1986    0     7    1     2227
## 1984    0    Aug-1972    1     4    0    10181
## 1985    0    Jun-2001    1     6    0    13460
## 1986    0    Feb-1988    1    14    0    19061
## 1987    0    Jul-1979    1     5    0     2688
## 1988    1    Dec-1992    1    11    0    12305
## 1989    0    Nov-1995    1    12    1     3252
## 1990    0    Sep-1990    1    12    1     9106
## 1991    0    Jan-1986    1     4    1     5303
## 1992    1    Mar-1995    0     9    0     5731
## 1993    2    Feb-1998    0     8    0     5482
## 1994    0    Jun-2004    3    10    2     9213
## 1995    0    Oct-1999    0     9    1      420
## 1996    0    Nov-1978    0    10    2     8023
## 1997    0    Oct-1990    1    24    0    18472
## 1998    0    Sep-2002    2     8    1     2085
## 1999    0    Oct-1999    0    18    0    47156
## 2000    0    Dec-2002    0    10    1    15391
## 2001    0    Dec-2005    0    13    1     8232
## 2002    0    Mar-2002    0    10    3     1502
## 2003    1    Nov-1996    1    10    0    11908
## 2004    0    Nov-1986    1     5    1     1873
## 2005    0    Sep-1994    2     9    0    17609
## 2006    0    Jan-1985    0    11    0    15087
## 2007    0    Dec-1993    0     8    0    12946
## 2008    0    Oct-1994    0    10    0    17740
## 2009    0    Dec-2002    0     6    0     6501
## 2010    1    Apr-1993    0    16    0    48277
## 2011    3    Apr-1987    0     8    0     7676
## 2012    0    Jan-1970    0     5    1     3795
## 2013    1    May-1984    0    14    1     3100
## 2014    0    Sep-1992    1    10    0    16045
## 2015    0    Dec-2001    1    12    0    16777
## 2016    0    Sep-1991    1    13    0    30565
## 2017    2    Sep-2001    1     8    0     6500
## 2018    0    Jan-1999    1     8    1     5202
## 2019    0    Nov-1996    2     7    1     4016
## 2020    0    Aug-1992    0     4    0     6433
## 2021    0    Jan-1988    0     6    0    11519
## 2022    0    Mar-1985    1    14    1     5694
## 2023    0    Nov-1994    0     7    1     4015
## 2024    0    Jun-1970    0    12    0    36347
## 2025    0    Dec-1968    0    14    0    15291
## 2026    0    Jul-1999    0     4    0     5302
## 2027    0    Sep-2000    0    12    0    17817
## 2028    2    May-1994    0     5    0     3803
## 2029    1    Oct-2002    0    15    0    21910
## 2030    1    Jan-1963    0    11    1     8398
## 2031    0    Feb-1997    0    15    0    13845
## 2032    0    Jan-1963    0    13    1     8362
## 2033    0    Sep-1996    2     3    0     2974
## 2034    0    Jun-1993    0     3    0     9370
```

```
## 2035    1    May-1997    0     5    0      5449
## 2036    1    Aug-2004    1    13    3      3516
## 2037    0    Dec-2001    2     8    1      4285
## 2038    0    Mar-1987    0    17    0      6120
## 2039    0    Jun-1994    0     6    1     11915
## 2040    0    Dec-1997    2     7    1      7261
## 2041    0    Mar-1995    2     6    1      5177
## 2042    0    Dec-1992    0     7    0     25157
## 2043    0    Aug-1997    0     9    1      2187
## 2044    0    Sep-1999    1     8    0      6559
## 2045    0    Jun-1993    2    13    0     18890
## 2046    0    Jul-1999    3     8    1     10046
## 2047    1    Oct-2001    0     5    1      8437
## 2048    0    Jul-1987    2    14    1      6395
## 2049    0    Sep-1987    1    10    0      5143
## 2050    1    Oct-2000    3    13    0     12031
## 2051    1    Jun-1969    0    16    0     63987
## 2052    0    Jun-1991    2     9    1      7998
## 2053    0    Oct-2000    1     9    0     10237
## 2054    0    Dec-1982    1     6    0      7419
## 2055    0    Jun-1971    4    15    0     10754
## 2056    0    Dec-1998    0    13    0     23048
## 2057    0    Oct-1985    1    10    0         0
## 2058    1    Jun-1999    0    10    0     10019
## 2059    0    Sep-1986    1    11    0     11786
## 2060    0    Oct-2004    0    11    0      4048
## 2061    0    Oct-1998    0    14    1      7486
## 2062    0    Oct-1996    0    10    0     24395
## 2063    0    Nov-1990    1    11    0     44555
## 2064    1    Mar-1979    2    19    0     14159
## 2065    2    Jan-1993    2    19    0      3825
## 2066    0    Nov-1985    0     9    2      5258
## 2067    0    Aug-1980    2    15    1      3655
## 2068    0    Nov-1977    0    18    1      9428
## 2069    0    Aug-1993    7    11    1      1642
## 2070    0    Apr-1990    0    11    0      4616
## 2071    0    Jan-1999    2    10    0     18961
## 2072    0    Sep-2003    1     8    0      8817
## 2073    0    Aug-1993    3    10    0     16259
## 2074    0    Jul-1993    2     6    1      5011
## 2075    0    Oct-1986    0    14    0     27330
## 2076    3    Oct-1996    0    12    1     34173
## 2077    2    Aug-1991    3    20    1      5650
## 2078    0    Sep-2005    1    12    0     13357
## 2079    0    Jan-1994    0     7    0     17516
## 2080    0    Aug-1989    0    21    0     16917
## 2081    0    Aug-2001    0     5    0      7003
## 2082    0    Jun-1973    0    11    0    101653
## 2083    0    Nov-1980    0    12    0     30548
## 2084    0    Aug-2006    1    11    0      6923
## 2085    1    Dec-1997    1     6    0     13159
## 2086    0    May-1995    0    13    1     23264
## 2087    1    Mar-2003    0     4    1      2274
## 2088    0    Aug-1990    2     9    1      8649
```

```
## 2089         0          Oct-1995          0      10      0    24737
## 2090         1          Sep-1982          0      12      0    17529
## 2091         0          Aug-1984          1      12      0    11355
## 2092         1          Aug-1996          1      15      0    11767
## 2093         0          Feb-1987          0      15      1    10231
## 2094         0          Jun-1998          1      14      1    10476
## 2095         0          Apr-1998          1      10      1    14723
## 2096         0          Aug-1995          1       9      2    10478
## 2097         0          Dec-1994          0      11      0    20546
## 2098         0          Jul-1995          2       8      0     2046
## 2099         1          Oct-1989          1       9      0    52875
## 2100         0          Aug-1998          1       2      0     2999
## 2101         0          Oct-2001          1       4      1     2049
## 2102         0          Sep-1975          0      10      0     1375
## 2103         0          Feb-1986          0       9      1     1495
## 2104         0          Nov-1967          0       9      0     5120
## 2105         0          Dec-1985          1       9      0    10118
## 2106         1          Jul-1979          3       8      0     3190
## 2107         0          Jun-1991          3       7      1     2387
## 2108         0          Jun-1981          1      17      1     8169
## 2109         0          Feb-1988          1      11      0     6330
## 2110         0          Feb-1984          0      16      0    24302
## 2111         4          Oct-1996          1      10      0     3855
## 2112         0          Jun-1998          0       8      0     5858
## 2113         0          Jul-1992          1      13      0    18545
## 2114         0          Jul-1994          0      12      2    11845
## 2115         0          May-1996          0       6      0     2884
## 2116         0          Apr-1985          1       9      0    23687
## 2117         0          Jan-1985          5       9      0     7000
## 2118         0          Jul-1991          0       7      1     8904
## 2119         0          May-1990          2      13      2    24029
## 2120         0          Dec-1996          1       8      4     2940
## 2121         0          May-1991          0       5      0     5139
## 2122         0          Oct-2003          0       2      0      588
## 2123         0          Apr-2001          1       8      0     4672
## 2124         0          Feb-2003          1       8      1     2908
## 2125         0          May-1976          1      10      0   135478
## 2126         0          Dec-1985          4      15      0    25601
## 2127         0          Jun-1992          0       7      2    21576
##      revol_util total_acc initial_list_status out_prncp out_prncp_inv
## 1          23.7        26                   f   8000.00       8000.00
## 2          41.8        12                   f      0.00          0.00
## 3          17.8        14                   f      0.00          0.00
## 4          71.4        19                   f  26558.64      26558.64
## 5           8.0        19                   f   8356.27       8356.27
## 6          37.9        25                   f  13746.91      13746.91
## 7          53.2        20                   f  21761.23      21739.47
## 8          41.5        23                   f   3595.16       3595.16
## 9          49.6        31                   f  18105.41      18105.41
## 10         34.5        19                   f   4618.04       4618.04
## 11         34.1        16                   f  17099.20      17099.20
## 12         50.6        16                   f   7398.80       7398.80
## 13         18.2        14                   f  11091.71      11091.71
## 14         56.5        29                   f   6123.68       6123.68
```

```
## 15     14.3     60        f     11399.47     11399.47
## 16     22.6     24        f      6963.58      6963.58
## 17     86.4     47        f         0.00         0.00
## 18      5.3     23        f         0.00         0.00
## 19     32.4     24        w     12000.00     12000.00
## 20     22.1     50        w      6000.00      6000.00
## 21      4.4     32        w      8192.44      8192.44
## 22     34.6     19        f     10715.41     10715.41
## 23     45.8     22        f      9405.93      9378.23
## 24     85.0     25        f      9428.91      9428.91
## 25     60.7     28        f     22854.29     22854.29
## 26     98.4     16        f     14960.84     14960.84
## 27     62.2     24        f      8480.36      8480.36
## 28     68.2     25        f     13122.14     13122.14
## 29     19.7     30        f     10759.06     10759.06
## 30     76.3     14        f     23502.12     23415.08
## 31     39.2     26        f      8595.62      8595.62
## 32     37.8     17        f      5679.36      5679.36
## 33     19.3     36        f      9400.85      9400.85
## 34     45.5     20        f     13122.14     13122.14
## 35     29.5     43        f     18999.13     18999.13
## 36     16.1     28        f     10104.47     10104.47
## 37     33.1     54        f     14402.82     14402.82
## 38      6.0     24        f      9226.13      9226.13
## 39     88.5     27        f     10497.72     10497.72
## 40     52.2     24        f      4968.70      4968.70
## 41     35.6     20        f     10400.00     10400.00
## 42     83.3     22        f     24346.33     24101.40
## 43     88.8     25        f     14478.01     14478.01
## 44     87.6     22        f     27051.01     27051.01
## 45     56.1     36        f     13949.55     13949.55
## 46     73.2     22        f     18529.50     18529.50
## 47     86.2     32        f     29061.90     29061.90
## 48     82.5     12        f     10476.16     10403.41
## 49     73.0     16        f     15826.74     15826.74
## 50     70.0     33        f     10241.46     10202.44
## 51     47.9     31        f     17323.07     17323.07
## 52     68.0     28        f     12850.65     12850.65
## 53     44.3     25        f     10024.71      9986.66
## 54     16.7     13        f     10115.10     10115.10
## 55     20.2     33        f      7779.13      7740.24
## 56     72.8     10        f      1249.66      1249.66
## 57     67.0     33        w     10385.61     10385.61
## 58     47.3     32        w     19635.38     19635.38
## 59     33.4     40        f         0.00         0.00
## 60     13.6     42        f         0.00         0.00
## 61     36.5     25        f         0.00         0.00
## 62     56.8     33        f         0.00         0.00
## 63     43.5     26        f         0.00         0.00
## 64     43.3     20        f         0.00         0.00
## 65     80.7      9        f         0.00         0.00
## 66     80.2     42        f     12000.00     12000.00
## 67     57.2     30        f     14215.21     14215.21
## 68     48.1     10        w      3299.48      3299.48
```

```
## 69      72.8   14      f      0.00       0.00
## 70      83.9   16      f      0.00       0.00
## 71      82.6   31      f      0.00       0.00
## 72      65.1    7      f      0.00       0.00
## 73      25.5   13      f      0.00       0.00
## 74      49.8   35      f      0.00       0.00
## 75      57.2   17      f      0.00       0.00
## 76      94.3   21      f      0.00       0.00
## 77      18.2   29      w   9529.82    9529.82
## 78      99.5   20      w  17065.75   17065.75
## 79      59.7   11      f   4513.36    4513.36
## 80      72.9   20      f   7477.92    7477.92
## 81      44.7   11      w   8592.39    8592.39
## 82      81.7   23      w  11075.00   11075.00
## 83      25.8    8      f   3877.32    3877.32
## 84      66.5   16      f  14898.79   14875.52
## 85      67.6   10      f  15311.90   15311.90
## 86      83.7   14      f   7095.60    7095.60
## 87      54.7   14      f   9403.64    9403.64
## 88      61.5   28      f   9804.73    9804.73
## 89      64.8   26      f  18140.47   18140.47
## 90      41.0   28      f  10782.14   10782.14
## 91      92.3   20      f  22122.20   22049.66
## 92      80.2   16      f   7594.70    7594.70
## 93      70.6   28      f  12829.52   12625.88
## 94      96.9   15      f  33414.97   33414.97
## 95      96.8   22      f  11388.50   11370.71
## 96      46.1   41      f   6790.59    6790.59
## 97      60.8   17      f  13041.24   13041.24
## 98      71.6   22      f   9187.14    9148.86
## 99      23.9   27      f  16614.96   16614.96
## 100     24.5   19      f  17703.09   17703.09
## 101     53.2   25      f   3130.01    3130.01
## 102     66.7   30      f   2609.24    2609.24
## 103     86.8   18      f  10517.57   10517.57
## 104     58.5   18      w  19301.79   19301.79
## 105     51.8   11      w   3059.56    3059.56
## 106     85.4   28      f   1216.75    1216.75
## 107     88.0   15      f  32717.95   32717.95
## 108     62.4   21      f      0.00       0.00
## 109     38.9   33      f  13069.77   12964.74
## 110     48.5   16      w   9628.24    9628.24
## 111     97.8   16      f      0.00       0.00
## 112     78.0   26      f      0.00       0.00
## 113     69.0   37      f  13337.80   13337.80
## 114     80.0    7      f   8596.46    8596.46
## 115     53.9   22      f      0.00       0.00
## 116     68.4   37      w  18599.40   18599.40
## 117     94.2   29      w      0.00       0.00
## 118     45.9    7      w   1399.13    1399.13
## 119     68.3   10      w   3446.07    3446.07
## 120     15.8   42      w   9248.10    9248.10
## 121     76.0   20      w  10000.00   10000.00
## 122     79.9   29      f    616.32     616.32
```

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## 123     32.2     23     w        0.00         0.00
## 124     83.4     20     f    12468.78     12468.78
## 125     87.0     11     f    13748.11     13677.49
## 126     59.3     40     f    12621.07     12621.07
## 127     74.6     31     f    15397.29     15397.29
## 128     18.5     16     f    11977.80     11977.80
## 129     78.3     24     f     9190.22      9190.22
## 130     46.3     18     f    10772.30     10772.30
## 131      0.0      8     f     6430.82      6430.82
## 132     51.6     23     f     9559.48      9559.48
## 133     72.3     17     f        0.00         0.00
## 134     48.4     31     f        0.00         0.00
## 135     41.2     26     f    26938.51     26938.51
## 136     19.3     42     f        0.00         0.00
## 137     99.3     16     f    23698.96     23698.96
## 138     60.7     18     f    11490.43     11490.43
## 139      6.8     21     w     9743.18      9743.18
## 140     28.2     37     w    10000.00     10000.00
## 141     59.4     26     w    13000.00     13000.00
## 142     28.9     18     w     6771.51      6771.51
## 143     10.4     29     w     9000.00      9000.00
## 144     55.3     24     w    20000.00     20000.00
## 145     25.0     65     w    12000.00     12000.00
## 146     16.7     21     f        0.00         0.00
## 147      0.0     32     f        0.00         0.00
## 148     14.5      7     f        0.00         0.00
## 149     56.1     54     f        0.00         0.00
## 150     50.6     24     f        0.00         0.00
## 151     40.5     26     f        0.00         0.00
## 152     47.7     18     f        0.00         0.00
## 153     27.4     20     f        0.00         0.00
## 154     43.8     26     f        0.00         0.00
## 155      2.3     28     f        0.00         0.00
## 156      7.0     31     f        0.00         0.00
## 157      1.0     20     f        0.00         0.00
## 158      7.4     27     f        0.00         0.00
## 159      1.2     34     f        0.00         0.00
## 160      0.0     16     f        0.00         0.00
## 161     33.9     34     f        0.00         0.00
## 162     13.7     25     f        0.00         0.00
## 163     26.0     30     f        0.00         0.00
## 164     87.8     17     f     7403.03      7403.03
## 165      7.6     19     f        0.00         0.00
## 166     35.6     16     f        0.00         0.00
## 167      4.8     31     f        0.00         0.00
## 168     91.2     27     f        0.00         0.00
## 169     15.6     23     f     5650.00      5650.00
## 170     53.3     23     f        0.00         0.00
## 171     83.7     21     f        0.00         0.00
## 172     24.5     24     f    10743.12     10720.97
## 173     62.9     14     f    12588.99     12588.99
## 174     77.0     24     f        0.00         0.00
## 175     22.6     22     f    10759.06     10759.06
## 176     23.0     28     f     9862.45      9862.45
```

```
## 177      58.2       13             f  10621.52    10621.52
## 178      40.6       50             f  11404.99    11404.99
## 179      42.6       23             f  22780.96    22780.96
## 180      37.5       20             f   8737.47     8737.47
## 181      57.1       29             f  13980.01    13892.63
## 182      66.7       15             f  13996.93    13996.93
## 183      37.0       21             f   8731.25     8731.25
## 184      17.4       51             f   5983.02     5983.02
## 185       1.6       16             f  12581.99    12494.61
## 186      38.9       21             f   7005.93     7005.93
## 187      65.5       24             f  18993.92    18993.92
## 188      60.5       12             f  14810.97    14810.97
## 189      20.6       20             f   2855.77     2855.77
## 190      72.6       19             f  29811.90    29811.90
## 191      33.8       32             f   4910.01     4910.01
## 192      93.8       11             f   5923.53     5923.53
## 193      23.6       63             f   4521.97     4521.97
## 194      44.3       23             f  11197.77    11197.77
## 195      36.4       34             f   7610.71     7610.71
## 196      27.7       59             f  10823.20    10823.20
## 197      59.0       35             f  32399.03    32399.03
## 198      53.9       26             f   9376.46     9376.46
## 199       1.8       17             f   5708.95     5708.95
## 200      35.5       18             f  14431.05    14431.05
## 201      50.7       13             f   9754.71     9754.71
## 202      72.1       23             f   5261.65     5261.65
## 203      52.9       26             f   8808.18     8808.18
## 204      66.1       28             f   4201.39     4201.39
## 205      59.3       38             f  19507.94    19507.94
## 206      47.5       43             f  15730.09    15730.09
## 207      69.2       10             f   7856.04     7823.31
## 208      57.8       12             f   4628.43     4628.43
## 209      36.6       32             f   5571.72     5571.72
## 210       8.0       28             f   5022.83     5022.83
## 211      78.0       14             f   4509.65     4509.65
## 212      18.3       36             w      0.00        0.00
## 213      87.8        7             f   9577.34     9577.34
## 214      51.0       13             w      0.00        0.00
## 215      85.9        9             f   5273.03     5273.03
## 216      96.9       20             w  10116.11    10116.11
## 217      37.5       23             w  11423.30    11423.30
## 218      58.3       23             f  12602.57    12602.57
## 219       4.3       19             f  26467.25    26467.25
## 220      28.6       20             f   3834.29     3834.29
## 221      63.7       12             f   2617.00     2617.00
## 222      65.5       27             w   3194.56     3194.56
## 223      32.4       30             f   6788.53     6788.53
## 224      48.3        6             f      0.00        0.00
## 225      76.5       27             w   8419.40     8419.40
## 226      71.1        5             f    264.66      264.66
## 227      79.1       24             f  14402.82    14402.82
## 228      57.8       43             w  20001.24    20001.24
## 229      75.9       25             f    760.43      760.43
## 230      26.8       25             f  18024.97    17799.66
```

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## 231      27.6      27         f      0.00       0.00
## 232       1.4      13         f      0.00       0.00
## 233      29.2       7         f      0.00       0.00
## 234      19.5      19         f   9485.23    9485.23
## 235      17.5      20         f  10672.54   10650.31
## 236      69.7      11         f   4493.94    4493.94
## 237      42.5      54         f  24447.47   24360.16
## 238      30.9      20         f   9743.18    9743.18
## 239      39.3      28         f  13952.31   13952.31
## 240      37.0      23         f  17931.76   17931.76
## 241      37.1      46         f   5290.99    5290.99
## 242      20.0      42         f  15589.09   15589.09
## 243      38.9      27         f  18024.89   18024.89
## 244      11.1      53         f   4873.34    4873.34
## 245      40.4      36         f  14238.08   14238.08
## 246      50.3      11         f  15194.97   15194.97
## 247      22.2      23         f  17975.82   17953.35
## 248      43.5      41         f   9158.26    9158.26
## 249      23.4      39         f   5222.69    5222.69
## 250      36.5      31         f  13870.59   13870.59
## 251      11.2      23         f  10497.72   10497.72
## 252      24.8      49         f      0.00       0.00
## 253      23.6      37         f   9749.15    9749.15
## 254      41.9      15         f   8000.00    8000.00
## 255       5.8      29         f      0.00       0.00
## 256      28.0      32         f      0.00       0.00
## 257      79.7      29         f      0.00       0.00
## 258      67.9      45         f      0.00       0.00
## 259       1.0      24         f      0.00       0.00
## 260      15.1       9         f      0.00       0.00
## 261      19.0      30         f      0.00       0.00
## 262      19.7      45         f      0.00       0.00
## 263       0.0      29         f      0.00       0.00
## 264      53.4      28         f      0.00       0.00
## 265      22.2      20         f      0.00       0.00
## 266      32.5      17         f      0.00       0.00
## 267      18.8      60         f      0.00       0.00
## 268      40.1      29         f      0.00       0.00
## 269       7.4      30         f      0.00       0.00
## 270       8.8      15         f      0.00       0.00
## 271       7.0      20         f   2280.04    2280.04
## 272      32.3      44         f   8498.41    8498.41
## 273      31.7      35         f  10503.54   10503.54
## 274      76.9      16         f  15736.66   15736.66
## 275      62.4      29         f   7315.48    7315.48
## 276      63.4      15         f   9730.67    9730.67
## 277      52.9      20         f  19038.51   19038.51
## 278      35.4      40         f   5403.45    5403.45
## 279      31.8       6         f   3415.17    3415.17
## 280      28.7      27         f   7993.04    7993.04
## 281      21.5      37         f   5411.58    5411.58
## 282      26.0      18         f   9073.29    9073.29
## 283      84.3      21         f  18038.67   18038.67
## 284      96.8      11         f   9267.31    9267.31
```

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## 285     4.4   16    f  18551.76  18551.76
## 286    83.1   22    f   3255.79   3255.79
## 287    74.6   33    f   9030.46   9030.46
## 288    64.0   19    f  31679.05  31679.05
## 289    46.1   22    f  14409.21  14386.70
## 290    36.5   14    f   8080.20   8044.13
## 291    32.8   27    f   6493.92   6493.92
## 292    44.3   27    f   5711.54   5711.54
## 293    48.1   27    f  14644.47  14644.47
## 294    98.3   13    f   4521.97   4521.97
## 295    12.1   26    f   5739.60   5739.60
## 296    25.2   32    f   6313.51   6313.51
## 297    32.5   15    f   4404.07   4404.07
## 298    45.0   20    f  24310.83  24310.83
## 299    28.5   24    f   9061.16   9061.16
## 300    37.6   13    f  21761.23  21761.23
## 301    31.6   43    f   8118.97   8118.97
## 302    14.8   43    f  21800.50  21800.50
## 303    30.9   13    f   5848.01   5848.01
## 304    27.9   20    f  15279.45  15279.45
## 305    46.3   33    f  22798.96  22798.96
## 306    11.9   15    f  11382.27  11382.27
## 307    22.6   44    f   7334.23   7334.23
## 308    12.5   30    f   4674.83   4674.83
## 309    26.6   44    f  18591.06  18591.06
## 310    33.6   46    f   9247.06   9247.06
## 311    61.6    9    f      0.00      0.00
## 312     9.0   26    f   9862.45   9862.45
## 313    38.6   27    f   4613.05   4613.05
## 314    22.2   24    f   6820.22   6820.22
## 315    14.8   44    f   7552.36   7552.36
## 316    26.4   31    f   8549.60   8549.60
## 317    63.9   25    f   9247.05   9247.05
## 318    67.1   25    f  11634.99  11547.50
## 319     5.5   38    f   4493.94   4493.94
## 320    26.6   36    f  12916.58  12916.58
## 321    30.6   19    f  15594.70  15594.70
## 322    22.2   24    f  14635.47  14635.47
## 323    66.7   45    f  19208.71  19208.71
## 324    21.6   21    f  15600.86  15600.86
## 325    39.4   28    f  15276.79  15276.79
## 326     9.3   33    f  10477.47  10455.64
## 327    45.8   17    f  10924.49  10924.49
## 328    11.2   24    w   6093.11   6093.11
## 329    39.6   19    w   8184.27   8184.27
## 330    22.7   29    w  18452.26  18452.26
## 331    18.0   54    w   6165.39   6165.39
## 332    12.8    6    w   6640.07   6640.07
## 333    24.1   24    w   4809.20   4809.20
## 334    75.6   11    w   5699.73   5699.73
## 335    25.0   21    w  14238.08  14238.08
## 336    23.5   17    w   4246.39   4246.39
## 337    41.3   19    w   5848.01   5848.01
## 338     7.1   44    w   9226.13   9226.13
```

```
## 339     10.8    28        w  13056.70     13056.70
## 340     20.2    19        w  13481.85     13481.85
## 341      0.8    30        w   4352.22      4352.22
## 342     76.5    25        w   9247.05      9247.05
## 343     58.1    20        w   5691.14      5691.14
## 344     45.5    15        w  13056.70     13056.70
## 345      8.9    35        w   9485.23      9485.23
## 346     51.3    22        w   7380.90      7380.90
## 347     16.5    34        w   4871.59      4871.59
## 348     14.8    18        w   7380.91      7380.91
## 349     25.1    26        w  21518.12     21518.12
## 350     20.2    27        w  16861.77     16861.77
## 351     19.8    13        w   8720.21      8720.21
## 352     35.5    49        w  23107.76     23107.76
## 353      8.4     9        w   4496.50      4496.50
## 354     51.5    30        w  21604.26     21604.26
## 355     30.8    13        w  13952.31     13952.31
## 356     29.5    37        w   9243.11      9243.11
## 357     35.1    32        w  14629.34     14629.34
## 358     26.8    37        w  14245.27     14245.27
## 359     27.8    19        w   6935.28      6935.28
## 360     19.8    26        w  13056.70     13056.70
## 361     26.2    30        w  11691.82     11691.82
## 362     39.0    35        w   8720.21      8720.21
## 363     21.7    27        w   6335.34      6335.34
## 364     36.3    22        w   4365.60      4278.29
## 365      0.0    14        w     49.50        49.50
## 366      5.6    22        w      0.00         0.00
## 367     35.7    11        w   9762.98      9762.98
## 368     34.7    23        w   8400.00      8400.00
## 369     20.1    24        w   5000.00      5000.00
## 370     15.7    23        f      0.00         0.00
## 371      7.6    39        f      0.00         0.00
## 372     47.2    15        f      0.00         0.00
## 373     18.0    47        f      0.00         0.00
## 374     53.9    27        f      0.00         0.00
## 375     60.3    18        f      0.00         0.00
## 376     22.0    28        f      0.00         0.00
## 377     35.0    27        f      0.00         0.00
## 378      5.5    12        f      0.00         0.00
## 379     24.2    14        f      0.00         0.00
## 380     12.9    12        f      0.00         0.00
## 381     15.9    10        f      0.00         0.00
## 382     70.4    29        f  19509.43     19509.43
## 383     66.7    30        f  11200.00     11200.00
## 384     45.2    29        f   5854.57      5610.63
## 385     14.2    34        f  10000.00     10000.00
## 386     79.1    21        f      0.00         0.00
## 387     68.2    23        f   8000.00      8000.00
## 388     52.8    29        f      0.00         0.00
## 389     39.7    42        f      0.00         0.00
## 390     61.4    30        f      0.00         0.00
## 391     84.6    32        f      0.00         0.00
## 392     29.7    19        f      0.00         0.00
```

```
## 393        37.6      41         f    3000.00     3000.00
## 394         7.3      52         f    3901.88     3901.88
## 395        59.9      16         w    9450.88     9450.88
## 396        16.5      24         w   12666.13    12666.13
## 397        26.0      26         w    6267.22     6267.22
## 398        20.0      31         w    9743.18     9743.18
## 399        39.0      18         w   24416.58    24416.58
## 400        35.4      21         w   22166.68    22166.68
## 401        24.1      30         w    9746.70     9746.70
## 402         6.6      31         w   14035.23    14035.23
## 403        17.9      30         w    6647.80     6647.80
## 404         9.1      31         w    1824.77     1824.77
## 405        60.1      35         w   18999.12    18999.12
## 406        27.2      41         w   26558.64    26558.64
## 407        29.8      37         w    7172.71     7172.71
## 408        42.6      39         w   10464.26    10464.26
## 409        18.9      30         w   23742.12    23742.12
## 410        67.3      29         w   10148.73    10148.73
## 411        30.0      11         w    5699.73     5699.73
## 412         8.8      41         w   11691.82    11691.82
## 413        18.9      34         w   17073.41    17073.41
## 414        40.4      56         w   23987.94    23987.94
## 415        53.8      13         w   10445.38    10445.38
## 416        43.7      51         w   10445.38    10445.38
## 417        35.8      20         w   17733.32    17733.32
## 418        59.7      24         w   21243.07    21243.07
## 419        49.9       7         w   10935.09    10935.09
## 420        48.2      29         w    8589.78     8589.78
## 421        26.2      36         w   11404.99    11404.99
## 422        80.9      29         w   19505.78    19505.78
## 423        46.3      29         w    4700.42     4700.42
## 424        13.5      28         w   14227.83    14227.83
## 425        19.8      45         w    9485.23     9485.23
## 426         9.9      37         w   13056.70    13056.70
## 427        12.8      32         w    9485.23     9485.23
## 428        67.3      25         w   23090.27    23090.27
## 429        55.6      27         w   14238.08    14238.08
## 430        44.2      43         w   23847.22    23847.22
## 431        84.1      20         w   13096.85    13096.85
## 432        35.3      18         w   10785.47    10785.47
## 433        13.5      31         w    1980.06     1980.06
## 434        77.0      19         w   13864.65    13864.65
## 435        43.9      23         w   15727.47    15727.47
## 436        23.2      32         w    3801.65     3801.65
## 437        58.0      27         w   14761.81    14761.81
## 438        17.5      26         w    8704.48     8704.48
## 439        18.0      48         w   13056.70    13056.70
## 440        19.5      43         w    9485.23     9485.23
## 441        11.6      32         w   12103.95    12103.95
## 442        15.6     106         w   22414.72    22414.72
## 443        20.1      34         w   13468.22    13468.22
## 444        57.8      18         w   17582.20    17582.20
## 445        37.2      23         w   13295.59    13295.59
## 446        12.4      26         w    6093.11     6093.11
```

```
## 447    69.3    25    w     1755.09      1755.09
## 448    34.3    13    w    12000.00     12000.00
## 449    62.3    22    w     9236.11      9236.11
## 450     0.2    26    w    14161.65     14161.65
## 451     7.5    14    w     8189.29      8189.29
## 452    18.9    27    w     4368.71      4368.71
## 453     1.1    13    w        0.00         0.00
## 454     8.9    18    w     4000.00      4000.00
## 455    30.4    18    w    10000.00     10000.00
## 456    22.6    28    w     7803.77      7803.77
## 457    23.3    27    f        0.00         0.00
## 458    38.2    21    f        0.00         0.00
## 459    53.4    17    f        0.00         0.00
## 460    14.7    38    f        0.00         0.00
## 461    46.8    17    f        0.00         0.00
## 462    65.0    20    f        0.00         0.00
## 463    15.5    16    f        0.00         0.00
## 464     6.6    47    f        0.00         0.00
## 465    37.3    31    f        0.00         0.00
## 466    61.0    13    f        0.00         0.00
## 467    12.5    28    f        0.00         0.00
## 468    48.1    20    f        0.00         0.00
## 469    43.3    25    f        0.00         0.00
## 470     0.0    28    f        0.00         0.00
## 471     0.0    16    f        0.00         0.00
## 472    63.7    21    f        0.00         0.00
## 473    51.6    23    f        0.00         0.00
## 474    97.2    36    f        0.00         0.00
## 475    34.4    20    f    13949.57     13949.57
## 476    57.5    13    f    13363.12     13363.12
## 477    91.5    21    f    22295.63     22249.13
## 478    76.3    19    f    16315.81     16315.81
## 479    59.9    26    f    17031.66     17031.66
## 480    28.8    14    f    13230.75     13230.75
## 481    63.4    35    f     2442.48      2442.48
## 482    33.9    18    f        0.00         0.00
## 483    84.1    26    f        0.00         0.00
## 484    29.5    26    f        0.00         0.00
## 485    92.9     5    f        0.00         0.00
## 486    13.1    42    f        0.00         0.00
## 487    48.5    38    f        0.00         0.00
## 488    19.4    21    f        0.00         0.00
## 489    87.8    13    f        0.00         0.00
## 490    22.3    31    w     5708.03      5708.03
## 491    52.2    41    w    13833.85     13833.85
## 492    71.7    33    w     1753.88      1753.88
## 493    42.5    29    w    15982.52     15982.52
## 494    42.8    26    w    19073.59     19073.59
## 495    98.6    26    w    22832.15     22832.15
## 496    90.2    39    w     6487.10      6487.10
## 497    65.9    39    w    11378.83     11378.83
## 498    36.1    25    w     8783.01      8783.01
## 499    67.4    15    w    10464.74     10464.74
## 500    70.9    22    w    16199.50     16199.50
```

```
## 501    51.2    15        w   14630.95      14630.95
## 502    55.4    27        w    5653.79       5653.79
## 503    67.0     9        w   10247.77      10247.77
## 504    57.4    37        w   14957.33      14957.33
## 505    39.5    31        w   17087.90      17087.90
## 506    39.3    22        w    6127.06       6127.06
## 507    45.6    19        w   15434.27      15434.27
## 508    76.7    12        w    5284.89       5284.89
## 509    78.1    29        w    2452.63       2452.63
## 510    15.0    29        w   12585.57      12585.57
## 511    50.1    28        w   19731.30      19731.30
## 512    92.8    14        w   17598.85      17598.85
## 513    94.4    26        w   18572.47      18572.47
## 514     0.1    19        w   21358.31      21358.31
## 515    51.3    17        w   19799.30      19799.30
## 516    55.1    26        w   27035.33      27035.33
## 517    22.7    42        w    5269.79       5269.79
## 518    24.0    23        w    9286.23       9286.23
## 519    61.8    24        w   12649.14      12649.14
## 520    34.2    34        w    5703.75       5703.75
## 521    37.8    38        w   18583.18      18583.18
## 522    45.7    42        w   11707.49      11707.49
## 523    32.5    18        w   15870.26      15870.26
## 524    10.9    53        w    6479.80       6479.80
## 525    46.7    20        w    4631.83       4631.83
## 526    11.2    30        w    7228.50       7228.50
## 527    42.5    22        w    4761.57       4761.57
## 528    63.0    13        w    4391.48       4391.48
## 529    62.2    28        w    5807.60       5807.60
## 530    29.7    24        w   11239.53      11239.53
## 531    41.5    32        w   14004.72      14004.72
## 532    67.8    33        w    3814.69       3814.69
## 533    78.0    24        w       0.00          0.00
## 534    58.0    26        w    6500.00       6500.00
## 535    22.8    46        w   15000.00      15000.00
## 536    72.4    31        f       0.00          0.00
## 537    65.6    40        w   23838.51      23838.51
## 538    50.3    17        w   10873.48      10873.48
## 539    32.6    48        w   19979.45      19979.45
## 540    48.4    22        w   11304.39      11304.39
## 541    15.2    47        w    9769.95       9769.95
## 542    65.7    15        w    3125.77       3125.77
## 543    91.5    10        w    8020.85       8020.85
## 544    26.5    50        w   17725.32      17725.32
## 545    82.9    15        w   18243.48      18243.48
## 546    65.4    46        w   17641.04      17641.04
## 547    65.7     6        w   10410.77      10410.77
## 548    35.3    22        w   11440.48      11440.48
## 549    36.7    16        w   10879.83      10879.83
## 550    74.0    28        w   17674.39      17674.39
## 551    26.1    30        w   13255.80      13255.80
## 552    39.5    26        w   17674.39      17674.39
## 553    50.1    20        w   10945.18      10945.18
## 554    13.2    19        w    4768.73       4768.73
```

```
## 555    68.1    27    w        0.00         0.00
## 556    27.3    21    w        0.00         0.00
## 557    12.5    25    w     6992.52      6992.52
## 558    74.6    13    f    14614.78     14614.78
## 559    59.1    29    f      741.11       741.11
## 560    36.7    31    f    14620.03     14620.03
## 561    31.6    19    f    22469.76     22379.88
## 562    33.2    14    f     5851.73      5851.73
## 563    16.4    24    f    14761.81     14761.81
## 564    48.3    20    f    17957.66     17957.66
## 565    10.6    59    f    22352.01     22352.01
## 566     1.9    31    f     7224.69      7224.69
## 567    11.9    38    f     6375.99      6375.99
## 568    53.1    27    f    16187.47     16187.47
## 569    35.0    38    f     9485.23      9485.23
## 570    31.6    25    f     8748.10      8748.10
## 571    44.1    31    f        0.00         0.00
## 572    39.9    39    f        0.00         0.00
## 573     7.9    14    f        0.00         0.00
## 574    37.4    21    f        0.00         0.00
## 575    62.9    37    f        0.00         0.00
## 576    31.4    12    f        0.00         0.00
## 577    54.5    33    f        0.00         0.00
## 578    11.3    18    f        0.00         0.00
## 579    15.8    17    f        0.00         0.00
## 580    14.8    29    f        0.00         0.00
## 581    38.0    24    f        0.00         0.00
## 582    36.9    25    f        0.00         0.00
## 583    10.6    37    f        0.00         0.00
## 584    57.8    21    f        0.00         0.00
## 585    57.4    23    f        0.00         0.00
## 586    69.8    26    f    16000.00     16000.00
## 587    50.3    20    f        0.00         0.00
## 588    62.2    21    f        0.00         0.00
## 589    24.5    13    f        0.00         0.00
## 590    76.2    26    f    15332.85     15332.85
## 591    29.8    15    f     7454.01      7432.08
## 592    60.5    41    f    11108.23     11108.23
## 593    26.7    16    f    13900.95     13900.95
## 594    19.5    31    f     3331.74      3331.74
## 595    61.1    34    f    14022.38     14022.38
## 596    59.7    20    f    10503.54     10503.54
## 597    34.4    17    f     6766.96      6766.96
## 598    17.6    58    f    21566.40     21566.40
## 599    51.9    59    f    11439.21     11439.21
## 600    47.2    35    f     9005.76      9005.76
## 601    55.4    24    f     9754.72      9754.72
## 602    53.0    23    f     7215.44      7215.44
## 603    26.8    33    f     8243.54      8243.54
## 604    39.1    41    f     4633.64      4633.64
## 605    58.6    35    f     9275.86      9275.86
## 606    27.9    17    f     9529.82      9529.82
## 607    46.9    21    f    12903.88     12903.88
## 608    71.2    13    f     7354.27      7335.89
```

```
## 609    36.7    17       f      152.31        152.31
## 610    59.3    28       f    26731.85      26636.38
## 611    60.8    18       f    23374.90      23284.30
## 612    46.4    42       f    13965.06      13965.06
## 613    57.0    17       f     5534.69       5534.69
## 614    68.6    38       f     2385.63       2385.63
## 615    66.9    18       f     8826.95       8826.95
## 616    61.6    26       f    23834.34      23596.00
## 617    94.3    10       f        0.00          0.00
## 618    49.0    29       f        0.00          0.00
## 619    66.4    10       f        0.00          0.00
## 620    13.9     8       f     9753.97       9753.97
## 621     5.3    36       f     9529.82       9291.57
## 622    24.6    15       f        0.00          0.00
## 623    25.9     4       f        0.00          0.00
## 624    83.7     8       f        0.00          0.00
## 625    21.8     8       f        0.00          0.00
## 626    51.1    29       f        0.00          0.00
## 627    98.8    18       f        0.00          0.00
## 628    33.6    37       f        0.00          0.00
## 629    22.9    18       f        0.00          0.00
## 630    27.6    62       f        0.00          0.00
## 631    82.8    20       f        0.00          0.00
## 632    82.2    15       f        0.00          0.00
## 633    44.5    24       f     4655.55       4655.55
## 634    39.7    21       f    12919.78      12919.78
## 635    31.7    38       f    10047.86      10047.86
## 636    35.8    20       f     8779.17       8779.17
## 637    21.8    21       f     8581.86       8581.86
## 638    36.0    38       f    17291.14      17291.14
## 639    85.2     6       f        0.00          0.00
## 640    67.1    14       f        0.00          0.00
## 641    93.5    15       f        0.00          0.00
## 642    47.7    23       f        0.00          0.00
## 643    86.4    22       f     6140.16       6092.37
## 644    27.2    34       f     8371.39       8371.39
## 645    38.0    17       f     3360.81       3360.81
## 646    19.2    17       f     7549.84       7549.84
## 647    13.7    13       f     2549.88       2549.88
## 648    19.7    27       f     4877.36       4877.36
## 649    64.5    24       f    12254.13      12254.13
## 650    60.1    32       f     4148.87       4148.87
## 651    18.5    51       f     9005.76       9005.76
## 652    22.6    33       f     9506.26       9506.26
## 653    33.4    20       f    11709.15      11709.15
## 654    76.4    11       f     2260.97       2260.97
## 655    68.8    17       f    19507.94      19507.94
## 656    48.6    23       f    19829.80      19747.17
## 657    92.7    35       f    17505.95      17396.53
## 658    18.9    28       f    13885.29      13885.29
## 659    24.0    16       f     6956.91       6956.91
## 660    86.0    15       f    16279.06      16279.06
## 661    26.1    48       f     5097.01       5097.01
## 662     8.6    29       f    10503.54      10503.54
```

```
## 663     22.7      17          f   22241.53    22241.53
## 664     72.9       8          f   20526.39    20526.39
## 665     31.8      51          f   13545.70    13545.70
## 666     24.4      39          f   23168.26    23145.09
## 667     23.7      25          f   10000.00     9750.00
## 668     81.5      17          f    2322.93     2322.93
## 669     17.0      63          f       0.00        0.00
## 670     54.8      17          f       0.00        0.00
## 671     55.6      15          f       0.00        0.00
## 672     53.8      13          f       0.00        0.00
## 673     29.7      19          f       0.00        0.00
## 674     36.7      13          f       0.00        0.00
## 675     94.2      16          f       0.00        0.00
## 676     88.8      15          f       0.00        0.00
## 677     41.8      20          f       0.00        0.00
## 678     72.1      15          f       0.00        0.00
## 679     73.7       9          f       0.00        0.00
## 680     27.3      18          f   12363.22    12363.22
## 681     51.5      40          f    5000.00     5000.00
## 682     75.5      32          f       0.00        0.00
## 683     58.5       6          f       0.00        0.00
## 684     99.0      31          f       0.00        0.00
## 685     64.2      32          f   18148.21    18148.21
## 686     99.3       6          f     848.06      848.06
## 687     21.4      36          f   12476.92    12476.92
## 688     49.3      20          f   23945.11    23897.36
## 689     78.7      22          f   25888.18    25888.18
## 690     18.6      26          f    5579.71     5579.71
## 691     75.6      28          f     417.26      417.26
## 692     15.5      23          f    3203.16     3184.10
## 693     38.6      16          f   12747.01    12747.01
## 694     57.7      31          f   12139.35    12139.35
## 695     23.0      53          f   22738.17    22738.17
## 696     19.2      35          f   21184.68    21162.61
## 697     23.6      23          f    7611.43     7611.43
## 698     34.1      10          f    4649.75     4649.75
## 699     19.4      32          f    7373.85     7373.85
## 700     48.8      10          f    8837.17     8837.17
## 701     45.4      52          f    7156.93     7156.93
## 702      5.8      23          w    7605.00     7605.00
## 703     22.4       7          w    4376.47     4376.47
## 704     25.6      20          w    3242.04     3242.04
## 705     42.2       6          w    3630.05     3630.05
## 706     46.9      17          w    8787.82     8787.82
## 707     42.4      34          w    2001.87     2001.87
## 708     53.3      19          w    4808.86     4808.86
## 709     49.6      17          w   10503.54    10503.54
## 710     15.5      36          w    4683.66     4683.66
## 711     68.7      10          w   15297.14    15297.14
## 712     67.3      27          w    7605.01     7605.01
## 713     74.9      14          w    4170.28     4170.28
## 714     37.4      40          w   15612.20    15612.20
## 715     61.6      22          w    9030.46     9030.46
## 716     35.4      20          w    4753.13     4515.47
```

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## 717    46.0    20    w   10523.35   10523.35
## 718    42.0    17    w    9267.31    9267.31
## 719    38.7    24    w   10715.26   10715.26
## 720    59.7    26    w    6564.71    6477.18
## 721    24.0    17    w    7316.03    7316.03
## 722    15.1    37    w    2928.18    2928.18
## 723    35.7    26    w    7204.61    7204.61
## 724     8.0    31    w    3862.18    3862.18
## 725    38.7    35    w   18415.88   18415.88
## 726    64.0    31    w    9019.35    9019.35
## 727     8.5    50    w   10806.91   10806.91
## 728    42.7    14    w    4395.51    4395.51
## 729    44.6     7    w    4825.00    4825.00
## 730    31.9    19    w   10000.00   10000.00
## 731    35.4    22    w   16071.56   16071.56
## 732    27.2    17    w    7500.00    7500.00
## 733    69.9    21    f    1419.69    1419.69
## 734    51.3    14    f    7847.17    7823.81
## 735    74.3    28    f    3277.58    3277.58
## 736    93.7    18    f       0.00       0.00
## 737    16.6    24    f       0.00       0.00
## 738    80.8    11    f       0.00       0.00
## 739    56.3    24    f   10264.49   10264.49
## 740    29.9    26    f    9925.95    9878.69
## 741    40.1    23    f    6976.16    6976.16
## 742    38.7    20    f       0.00       0.00
## 743    25.5    13    f       0.00       0.00
## 744    12.4    12    f       0.00       0.00
## 745    30.5    15    f       0.00       0.00
## 746    20.9    47    f       0.00       0.00
## 747    42.6    19    f       0.00       0.00
## 748     3.4    31    f       0.00       0.00
## 749    11.9    19    f       0.00       0.00
## 750    17.6    39    f   12000.00   12000.00
## 751    74.8     8    f    5032.92    5032.92
## 752    56.1    19    f    9470.30    9470.30
## 753    33.0    33    f   13308.76   13308.76
## 754    30.3    18    f    1801.15    1801.15
## 755    34.0    40    f       0.00       0.00
## 756    23.1    35    f       0.00       0.00
## 757    63.6    23    f       0.00       0.00
## 758    31.3    10    f       0.00       0.00
## 759     0.5    27    f       0.00       0.00
## 760    91.5    14    f       0.00       0.00
## 761    35.3    22    f    1262.76    1262.76
## 762    12.2    26    f       0.00       0.00
## 763     6.1    19    f       0.00       0.00
## 764    29.6    20    f       0.00       0.00
## 765    21.5    14    f       0.00       0.00
## 766    24.9    11    f       0.00       0.00
## 767    50.8    10    f       0.00       0.00
## 768     1.8    14    f       0.00       0.00
## 769    30.4    21    f       0.00       0.00
## 770    73.2    28    f       0.00       0.00
```

```
## 771       60.8     30              f        0.00        0.00
## 772       77.5     20              f        0.00        0.00
## 773       72.6     18              f        0.00        0.00
## 774       92.9     22              f        0.00        0.00
## 775       50.8     32              f        0.00        0.00
## 776       66.0     14              f        0.00        0.00
## 777       45.6     15              f        0.00        0.00
## 778       63.6     21              f        0.00        0.00
## 779       89.9     22              f     9275.86     9275.86
## 780       33.6     22              f        0.00        0.00
## 781       10.3     36              f        0.00        0.00
## 782       34.7     32              f        0.00        0.00
## 783       38.7     19              f     6093.11     6093.11
## 784       21.2     49              f     6116.22     6116.22
## 785       16.6     19              f    10244.05    10244.05
## 786       13.5     19              f     5845.91     5845.91
## 787       13.2     11              f     4360.08     4360.08
## 788       15.2     40              f    15000.00    15000.00
## 789       56.4     15              f    21870.24    21870.24
## 790       62.4     23              f     4623.51     4623.51
## 791       17.9     43              f    23383.64    23383.64
## 792        4.1     26              f        0.00        0.00
## 793        1.8     63              f        0.00        0.00
## 794       22.4     30              f        0.00        0.00
## 795       68.5     12              f        0.00        0.00
## 796       11.5     48              f        0.00        0.00
## 797       20.4     11              f        0.00        0.00
## 798       13.9     30              f        0.00        0.00
## 799       10.3      9              f        0.00        0.00
## 800       41.3     24              f        0.00        0.00
## 801        5.4     18              f        0.00        0.00
## 802        1.1     16              f        0.00        0.00
## 803       15.1     23              f        0.00        0.00
## 804       44.0     26              f        0.00        0.00
## 805       20.7     48              f     2927.29     2927.29
## 806       80.2     13              f        0.00        0.00
## 807       87.3     14              f      142.44      142.44
## 808       26.6     25              f     4281.31     4281.31
## 809       28.8      6              f        0.00        0.00
## 810       84.2      3              f        0.00        0.00
## 811       94.4     18              f        0.00        0.00
## 812       70.5     12              f      200.76      200.76
## 813       62.7      5              f    17257.94    17208.98
## 814       81.2     16              f        0.00        0.00
## 815       16.0     38              f        0.00        0.00
## 816       69.8     32              f        0.00        0.00
## 817       90.2     18              f        0.00        0.00
## 818        4.1     62              f        0.00        0.00
## 819       83.5     10              f        0.00        0.00
## 820       75.9     10              f        0.00        0.00
## 821       58.3     22              f     2038.76     2038.76
## 822       66.4     15              f     9159.88     9159.88
## 823       63.0     21              f    15955.64    15955.64
## 824       68.3     15              f     6695.64     6695.64
```

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## 825      66.9      23      f    6615.38      6615.38
## 826      24.5      24      f   18184.19     18161.46
## 827      15.9      12      f       0.00         0.00
## 828      54.4      33      f       0.00         0.00
## 829      27.5      16      f    5937.17      5937.17
## 830      59.9      17      f   10561.59     10370.43
## 831      32.3      19      f   16425.52     16425.52
## 832      53.6      47      f   15342.49     15342.49
## 833      55.7      13      f    6810.19      6810.19
## 834      12.7      16      f     130.82       130.82
## 835      31.3      18      f    7799.31      7799.31
## 836      25.3      44      f    7311.85      7311.85
## 837      71.5      16      f    7399.55      7399.55
## 838      26.4      12      f    4374.05      4374.05
## 839      23.7      17      f    6639.65      6639.65
## 840      18.8      21      w    2164.33      2164.33
## 841      83.9      27      w   24504.62     24504.62
## 842      93.4      12      w    6103.76      6103.76
## 843      75.7      18      w    3662.11      3662.11
## 844      90.2      42      w   21007.13     21007.13
## 845      19.0      22      w    2978.14      2978.14
## 846      74.1      22      w   20000.00     20000.00
## 847      50.3      10      w    6441.83      6441.83
## 848      69.7      22      w    7798.78      7798.78
## 849      87.3      25      w    7705.22      7705.22
## 850      74.4      20      w   12747.62     12747.62
## 851      28.7      15      w   33271.92     33271.92
## 852      85.7      27      w   11120.77     11120.77
## 853      81.2      20      w     265.26       265.26
## 854      94.3       4      w    5000.00      5000.00
## 855      75.5      32      w    2239.86      2239.86
## 856      38.6      23      w    2263.23      2263.23
## 857      51.4      28      w    5606.80      5606.80
## 858      49.8      10      w    5400.00      5400.00
## 859      27.4      41      w    7006.12      7006.12
## 860      36.0      39      w   14148.55     14148.55
## 861      62.6      29      w    4318.62      4318.62
## 862      75.2      15      w    9526.33      9526.33
## 863      66.3      28      w   17577.12     17577.12
## 864      54.6      30      w   17616.42     17616.42
## 865      23.9      32      w   10177.37     10177.37
## 866      20.8      17      w    6593.72      6593.72
## 867      44.2      26      w   10947.06     10947.06
## 868      82.5      20      w    5200.26      5200.26
## 869      37.6      42      w   11337.05     11337.05
## 870      19.9      42      w   11709.15     11709.15
## 871      71.5      29      w    9762.98      9762.98
## 872      62.8       9      w    3657.24      3657.24
## 873      42.1      22      w    4950.35      4950.35
## 874      24.4      30      w    7240.89      7240.89
## 875      69.6      33      w    9043.28      9043.28
## 876      17.3      52      w    5085.32      5085.32
## 877      34.8      39      w    3410.65      3410.65
## 878      87.5      24      w    6697.17      6697.17
```

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## 879   29.9   12        w   3805.35    3805.35
## 880   19.5   38        w   5456.60    5456.60
## 881   65.3   26        w   3221.72    3221.72
## 882   18.0   31        w  10190.80   10190.80
## 883   78.7   34        w   4878.81    4878.81
## 884   84.3   35        w   5715.78    5715.78
## 885   91.2   48        w  18574.94   18574.94
## 886   80.7    8        w   4765.04    4765.04
## 887   39.9   15        w      0.00       0.00
## 888   63.4   24        w      0.00       0.00
## 889   27.8   18        w      0.00       0.00
## 890   80.0   44        w      0.00       0.00
## 891   55.4   16        w      0.00       0.00
## 892   72.0   28        w      0.00       0.00
## 893   38.0   50        w      0.00       0.00
## 894   61.9   33        w      0.00       0.00
## 895   42.0   32        w      0.00       0.00
## 896   15.5   43        w      0.00       0.00
## 897   34.7   20        w      0.00       0.00
## 898   42.8   27        w   8689.42    8689.42
## 899   88.3   26        w   5803.16    5803.16
## 900   14.9   33        w  10000.00   10000.00
## 901   50.4   13        w   2442.48    2442.48
## 902   86.5   20        w  30000.00   29925.00
## 903   19.2   16        w   5750.00    5750.00
## 904   80.3   11        w  11200.00   11200.00
## 905   45.5   29        w  19750.00   19750.00
## 906   82.7   15        w      0.00       0.00
## 907   56.1   26        w      0.00       0.00
## 908   28.3   23        w      0.00       0.00
## 909   81.7   28        w      0.00       0.00
## 910   26.0   17        w      0.00       0.00
## 911   59.5   22        w   7590.55    7590.55
## 912   66.6   29        w  35000.00   35000.00
## 913   67.3   37        w   4537.45    4537.45
## 914   97.6   14        w   6543.33    6543.33
## 915   74.7   34        w  10229.69   10229.69
## 916   22.4   22        w   8556.09    8556.09
## 917   13.4   30        w   7936.08    7936.08
## 918   70.0   32        w   5641.66    5641.66
## 919   17.5   22        w   2885.21    2885.21
## 920   21.7   34        w   1333.97    1333.97
## 921   82.7    8        w   5863.21    5863.21
## 922    6.0   35        w   7763.86    7763.86
## 923   51.0   25        w   5560.77    5560.77
## 924   24.5   10        w   3636.83    3636.83
## 925   76.4   20        w  12139.35   12139.35
## 926   81.0   20        w  12103.03   12103.03
## 927   69.9   35        w  14303.10   14303.10
## 928   67.2   15        w   8083.44    8083.44
## 929   39.1   28        w   4095.97    4095.97
## 930   94.9   26        w  14307.25   14307.25
## 931   38.6   23        w   8842.62    8842.62
## 932   12.0   17        w   3915.74    3915.74
```

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## 933    86.0    28    w    18219.53    18219.53
## 934    55.5    29    w     4770.76     4770.76
## 935    33.0    30    w     8379.04     8379.04
## 936    21.0    26    w     7383.23     7383.23
## 937    50.1    15    w    17160.73    17160.73
## 938    45.4    17    w     7815.96     7815.96
## 939    94.8     7    w     4734.57     4734.57
## 940    50.2     6    w     7916.66     7916.66
## 941    49.0    28    w     2789.87     2789.87
## 942    83.9    49    w     4170.05     4170.05
## 943    67.5    28    w     2359.21     2359.21
## 944    21.0    26    w      625.80      625.80
## 945    59.6    35    w     5948.27     5948.27
## 946    79.6    22    w     5658.85     5658.85
## 947    84.0    16    w     5340.98     5340.98
## 948    75.2     8    f     6828.29     6828.29
## 949    72.6    21    f    14267.09    14267.09
## 950    45.0    19    f    16234.77    16234.77
## 951    44.8    33    f    17111.26    17111.26
## 952    28.4    11    f     4551.50     4551.50
## 953    36.7    32    f    19026.81    19026.81
## 954    18.2    13    f     9120.75     9120.75
## 955    18.6    55    f     9757.63     9757.63
## 956    25.6    39    f     9030.46     9030.46
## 957    57.5    19    f        0.00        0.00
## 958    32.8    31    f        0.00        0.00
## 959    74.5    34    f        0.00        0.00
## 960    62.6     7    f        0.00        0.00
## 961    59.6    15    f        0.00        0.00
## 962     7.8    44    f        0.00        0.00
## 963    54.4    43    f        0.00        0.00
## 964    69.1     8    f     9757.63     9513.69
## 965    14.9    41    f    11407.51    11407.51
## 966    73.5    18    f        0.00        0.00
## 967    50.0    20    f    13971.02    13971.02
## 968    26.7    23    f    14978.76    14978.76
## 969    63.6    17    f     4429.87     4429.87
## 970    39.4    32    f     8499.84     8499.84
## 971    39.4    52    f     3724.00     3724.00
## 972    53.0    16    f        0.00        0.00
## 973    18.4    34    f     3806.80     3806.80
## 974    77.1    13    f        0.00        0.00
## 975    97.6     7    f        0.00        0.00
## 976    57.5    14    f        0.00        0.00
## 977    34.4    21    f     5854.45     5854.45
## 978    70.4    11    f        0.00        0.00
## 979    80.8    12    f        0.00        0.00
## 980    58.7    16    f    13530.25    13383.19
## 981    30.6    12    f        0.00        0.00
## 982    88.0    31    f        0.00        0.00
## 983     0.0     9    f        0.00        0.00
## 984    33.7    16    f    11674.43    11674.43
## 985    61.6    17    f    17544.04    17544.04
## 986    69.3    25    f     5089.56     5089.56
```

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## 987     28.4    24          f    4845.03     4845.03
## 988      0.2    13          f       0.00        0.00
## 989     21.4    22          f       0.00        0.00
## 990      9.3    34          f       0.00        0.00
## 991     82.5     6          f       0.00        0.00
## 992     33.7    24          f       0.00        0.00
## 993     33.6    11          f       0.00        0.00
## 994      7.5    30          f       0.00        0.00
## 995      9.4    23          f       0.00        0.00
## 996     63.5    28          f       0.00        0.00
## 997     69.0    19          f       0.00        0.00
## 998      1.0    16          f       0.00        0.00
## 999     14.2    20          f       0.00        0.00
## 1000     4.3    14          f       0.00        0.00
## 1001    90.5    17          f       0.00        0.00
## 1002    30.4    27          f   12000.00    12000.00
## 1003    66.4    11          f    7715.78     7715.78
## 1004    44.6    13          f    7965.19     7965.19
## 1005    47.3    26          f    5099.05     5099.05
## 1006    69.4     9          f    9646.42     9646.42
## 1007    56.7    34          f   15129.70    15129.70
## 1008    42.3    26          f   10295.32    10207.32
## 1009    42.3    22          f    9275.86     9275.86
## 1010    42.4    57          f    8100.35     8100.35
## 1011    97.2    13          f    6672.46     6579.79
## 1012    53.4    27          f    3415.17     3415.17
## 1013    17.2    15          f   13885.29    13885.29
## 1014    11.7    10          f   21079.27    21079.27
## 1015    34.8    28          f       0.00        0.00
## 1016    92.8    11          f       0.00        0.00
## 1017    65.0    15          f       0.00        0.00
## 1018    38.0    15          f       0.00        0.00
## 1019    93.4     9          f       0.00        0.00
## 1020    59.4    11          f       0.00        0.00
## 1021    78.4    10          f    2930.98     2930.98
## 1022     0.0     8          f       0.00        0.00
## 1023    57.0    26          f       0.00        0.00
## 1024    17.0    20          f       0.00        0.00
## 1025    94.8    14          f       0.00        0.00
## 1026    68.8     6          f       0.00        0.00
## 1027     0.0    21          f       0.00        0.00
## 1028    24.0     5          f       0.00        0.00
## 1029    14.5    17          f       0.00        0.00
## 1030    68.2     8          f       0.00        0.00
## 1031    14.8    10          f       0.00        0.00
## 1032    48.0     5          f       0.00        0.00
## 1033    40.0    41          f       0.00        0.00
## 1034    70.6    11          f       0.00        0.00
## 1035    76.1    10          f       0.00        0.00
## 1036    67.9    12          f       0.00        0.00
## 1037    46.8    13          f       0.00        0.00
## 1038     0.0    12          f       0.00        0.00
## 1039    40.6    24          f       0.00        0.00
## 1040    48.7    17          f       0.00        0.00
```

```
## 1041     59.5     34         f    16859.29      16859.29
## 1042     47.9     10         f     5167.89       5167.89
## 1043     78.2     13         f        0.00          0.00
## 1044     67.9      8         f        0.00          0.00
## 1045      0.0      4         f        0.00          0.00
## 1046     40.6     24         f        0.00          0.00
## 1047     59.6     27         f        0.00          0.00
## 1048     34.4     19         f        0.00          0.00
## 1049     69.4     27         f    17674.39      17674.39
## 1050     45.0     14         f     1383.76       1383.76
## 1051     33.5     52         f    18054.53      18054.53
## 1052     79.4     13         f    10162.75      10162.75
## 1053     99.5     17         f     6215.49       6215.49
## 1054     98.0     32         f    13230.75      13230.75
## 1055     54.5     31         f    10094.37      10094.37
## 1056     69.5     68         f     3695.76       3695.76
## 1057     65.7     58         f    26105.04      26105.04
## 1058     37.6     27         f    11723.94      11723.94
## 1059     36.3     13         f    12313.56      12313.56
## 1060     99.4      4         f     4883.91       4883.91
## 1061     54.9     32         f     6837.47       6837.47
## 1062     54.0     12         f     4651.78       4651.78
## 1063     82.4     20         f        0.00          0.00
## 1064     62.6     20         f        0.00          0.00
## 1065     46.1     28         f        0.00          0.00
## 1066     58.2     12         f        0.00          0.00
## 1067     59.1     23         f        0.00          0.00
## 1068     12.0     29         f    16662.34      16662.34
## 1069     81.4     14         f        0.00          0.00
## 1070     75.3     23         f    15204.71      15204.71
## 1071     18.4     11         f     4441.88       4441.88
## 1072     84.8     13         f        0.00          0.00
## 1073     63.6     39         f        0.00          0.00
## 1074     54.1     22         f     7814.25       7814.25
## 1075     39.5     24         f     7976.85       7976.85
## 1076     74.2     15         f     6486.90       6441.38
## 1077     39.3     16         f     5138.01       5091.30
## 1078     29.8     13         f     6087.89       6087.89
## 1079     68.3     11         f      815.84        815.84
## 1080     40.8     10         f    15273.97      15227.26
## 1081     74.9     11         f        0.00          0.00
## 1082     36.5     31         f      960.00        960.00
## 1083     31.2     46         w    23000.00      23000.00
## 1084     71.1      7         w    11416.08      11416.08
## 1085     54.1     33         w     4783.86       4783.86
## 1086     24.4     17         w    10449.30      10449.30
## 1087     92.8     13         w    12228.96      12228.96
## 1088      8.0     24         w     2780.18       2780.18
## 1089     60.6     30         w    10559.30      10559.30
## 1090     36.1     52         w    11407.51      11407.51
## 1091     45.5     16         w     9506.26       9506.26
## 1092     23.3     12         w    13508.64      13508.64
## 1093     48.3     19         w     4404.07       4404.07
## 1094     29.1     46         w     7000.00       7000.00
```

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## 1095      66.8     18          w    19990.43      19990.43
## 1096       5.1     18          w     4096.66       4096.66
## 1097      32.7     39          w     5925.00       5925.00
## 1098      31.3     19          w    25000.00      25000.00
## 1099      48.3     31          w    23917.01      23917.01
## 1100      47.3     39          w     5292.30       5292.30
## 1101      24.0     17          w     4884.97       4884.97
## 1102      28.9     24          w    19070.81      19070.81
## 1103      34.5     14          w    11379.76      11379.76
## 1104      55.1     13          w     3258.50       3258.50
## 1105      20.0     52          w     5244.46       5244.46
## 1106      47.7     26          w     6867.47       6867.47
## 1107      27.7     43          w        0.00          0.00
## 1108       3.0     26          w     4832.33       4832.33
## 1109      31.7     22          w     1565.61       1565.61
## 1110      61.4     13          w    19102.52      19102.52
## 1111      63.8     16          w        0.00          0.00
## 1112      44.5     23          w    12897.23      12897.23
## 1113      59.6      8          w     5998.72       5998.72
## 1114      97.0     19          w    14652.91      14652.91
## 1115      19.9      8          w     1907.48       1907.48
## 1116      64.2     16          w    22051.27      22051.27
## 1117      50.6     12          w     2603.87       2603.87
## 1118      49.5     21          w     6349.08       6349.08
## 1119      45.3     27          w     4865.98       4865.98
## 1120      30.2      7          w     4241.84       4241.84
## 1121      97.3     12          w        0.00          0.00
## 1122      46.9     42          w        0.00          0.00
## 1123      72.5     29          w        0.00          0.00
## 1124       3.9     27          w        0.00          0.00
## 1125      94.5     34          w     7423.29       7395.80
## 1126       5.7     31          w     5000.00       5000.00
## 1127      96.5     23          w        0.00          0.00
## 1128      96.1     10          w        0.00          0.00
## 1129      80.9      7          w     8205.28       8205.28
## 1130      89.6     15          w    13083.39      13083.39
## 1131      42.0     38          w     9649.47       9649.47
## 1132      43.0     19          w     7046.67       7046.67
## 1133      39.7     28          w     3768.55       3768.55
## 1134      45.3     20          w     5957.56       5957.56
## 1135      25.0     13          w     2475.17       2475.17
## 1136      37.8     25          w     5938.40       5938.40
## 1137      31.4     55          w     4030.44       4030.44
## 1138      39.0     36          w     5742.57       5742.57
## 1139      14.6     58          w    11642.53      11642.53
## 1140      88.1     16          w        0.00          0.00
## 1141      80.3     29          w        0.00          0.00
## 1142      87.3      9          w        0.00          0.00
## 1143      88.4     34          w        0.00          0.00
## 1144      33.2     28          w     1969.49       1969.49
## 1145      77.5     10          w     4296.07       4296.07
## 1146      71.0     34          w    14346.02      14346.02
## 1147      65.8     26          w     6872.81       6872.81
## 1148      43.6     29          w        0.00          0.00
```

```
## 1149      8.6      30       w   11932.91     11932.91
## 1150      7.5      23       w    5851.73      5851.73
## 1151     11.6      36       w   14345.41     14345.41
## 1152     64.7      14       w   10179.01     10179.01
## 1153     62.0      28       w    9709.43      9709.43
## 1154     35.1      21       w    3343.47      3343.47
## 1155     17.9      52       w   12690.34     12690.34
## 1156     52.4      12       w    2647.59      2647.59
## 1157     12.4      44       w    8199.90      8199.90
## 1158     22.0      33       w    4941.41      4941.41
## 1159     48.1      18       w    4117.87      4117.87
## 1160     46.7      10       w    6822.68      6822.68
## 1161      4.1       8       w    4183.08      4183.08
## 1162     15.5      28       w    6051.31      6051.31
## 1163     29.4      18       w    3803.96      3803.96
## 1164      0.7      30       w    8152.28      8152.28
## 1165     60.5      23       w    8480.36      8480.36
## 1166     60.9      22       w    2041.11      2041.11
## 1167     31.1      23       w   15906.19     15906.19
## 1168     60.0       8       w    7953.10      7953.10
## 1169     15.9      10       w    7218.85      7218.85
## 1170      8.8      13       w    7000.38      7000.38
## 1171     21.1      95       w   22469.76     22469.76
## 1172     19.1      22       w    6319.04      6319.04
## 1173     58.0       7       w    4318.71      4318.71
## 1174     14.4      19       w    1647.09      1647.09
## 1175     55.9      19       w    5039.88      5039.88
## 1176     40.1      42       w    5918.16      5918.16
## 1177     43.1      11       w    1270.91      1270.91
## 1178     77.7      24       w    3587.94      3587.94
## 1179     16.2      48       w       0.00         0.00
## 1180     21.5      25       w       0.00         0.00
## 1181     11.8      17       w       0.00         0.00
## 1182     16.2      26       w       0.00         0.00
## 1183      0.1      13       w       0.00         0.00
## 1184     30.2      15       w   10000.00     10000.00
## 1185     61.4       9       w    8400.00      8400.00
## 1186     75.0      17       w    6500.00      6500.00
## 1187     19.1      11       w       0.00         0.00
## 1188     67.5       5       w       0.00         0.00
## 1189     31.6      23       w     534.78       534.78
## 1190     67.8       5       w    5711.54      5711.54
## 1191     82.7      59       w    5215.52      5215.52
## 1192     83.0      10       w    2085.45      2085.45
## 1193     32.7      50       w    2188.24      2188.24
## 1194     77.8      32       w    2927.21      2927.21
## 1195     89.3       7       w   10806.91     10806.91
## 1196     72.0      20       w    7135.04      7135.04
## 1197     61.3       7       w    6495.54      6495.54
## 1198     50.2      27       w    8028.22      8028.22
## 1199     86.5      18       w   22461.88     22461.88
## 1200     29.3      39       w    8567.32      8567.32
## 1201     34.7      21       w    4877.36      4877.36
## 1202     34.4      16       w   10559.31     10559.31
```

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## 1203        66.6        20          w    6826.82        6826.82
## 1204        54.1        14          w    5521.15        5283.17
## 1205        98.5         7          w   11271.81       11271.81
## 1206        66.5        19          w    9017.47        9017.47
## 1207        51.4        25          w   18087.88       18087.88
## 1208        24.7        36          w    5368.93        5368.93
## 1209        60.5        48          w   11423.11       11185.13
## 1210        52.8         7          w    5260.16        5260.16
## 1211        30.3        22          w   24726.50       24726.50
## 1212         5.3        18          w     942.08         942.08
## 1213        52.8        14          w    8263.99        8263.99
## 1214        58.2        15          w    5854.57        5854.57
## 1215        63.0        18          w    6001.50        6001.50
## 1216        11.0        13          w    2892.02        2892.02
## 1217        14.6        54          w   13885.29       13885.29
## 1218        31.1        22          w    5277.83        5277.83
## 1219        29.0        29          w    3454.20        3454.20
## 1220        22.2        30          w    7027.04        7027.04
## 1221        39.4        17          w    9291.76        9291.76
## 1222        57.2        38          w    3501.18        3501.18
## 1223         7.0        18          w    3556.19        3556.19
## 1224        65.8        23          w   19052.66       19052.66
## 1225        62.2        31          w   12844.39       12844.39
## 1226        25.1        27          w    1905.95        1905.95
## 1227        78.1        17          w    4281.42        4281.42
## 1228        12.1        11          w    3345.03        3345.03
## 1229        56.1         8          w    3927.94        3927.94
## 1230        14.6        16          w       0.00           0.00
## 1231         9.8        21          w       0.00           0.00
## 1232        15.7        14          w    1600.00        1600.00
## 1233        19.7        19          w   30000.00       30000.00
## 1234        33.0        20          w    6000.00        6000.00
## 1235        67.5        21          w   30930.24       30930.24
## 1236        13.4        19          w   11449.86       11449.86
## 1237        91.3        17          w   11050.39       11050.39
## 1238        14.8        23          w    4998.97        4998.97
## 1239        96.8         9          w    4103.37        4103.37
## 1240        82.0        18          w    7414.63        7414.63
## 1241        39.0        11          w    1493.93        1493.93
## 1242        67.8        16          w    2857.47        2857.47
## 1243        58.6        22          w    5864.24        5864.24
## 1244        57.5         8          w    1419.95        1419.95
## 1245        22.9        10          w    3418.81        3418.81
## 1246        31.0         9          w    5621.74        5621.74
## 1247         2.2        10          w    4772.45        4772.45
## 1248        35.2        31          w    4884.98        4884.98
## 1249        30.9        15          w    1580.61        1580.61
## 1250        15.6         7          w    8017.71        8017.71
## 1251        17.7        38          w    4979.90        4979.90
## 1252         8.6        17          w    4472.00        4472.00
## 1253        37.6        38          w    5497.53        5497.53
## 1254        32.6        16          w    5770.61        5770.61
## 1255        50.8         9          w    2293.49        2293.49
## 1256        58.2        37          w    2238.40        2238.40
```

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## 1257      75.9      22      w    2009.40     2009.40
## 1258      81.3      23      w       0.00        0.00
## 1259      32.1       9      w       0.00        0.00
## 1260      59.8      45      w       0.00        0.00
## 1261      91.6      14      w    7167.96     7167.96
## 1262      21.0      31      w       0.00        0.00
## 1263      55.0      13      w       0.00        0.00
## 1264      44.2       8      w       0.00        0.00
## 1265      13.2      38      w    1666.26     1666.26
## 1266      32.5      28      f   10350.42    10216.87
## 1267      41.0      36      f    5021.24     5021.24
## 1268      45.2      25      f    8193.98     8193.98
## 1269      67.0       7      f    5666.82     5666.82
## 1270      21.4      22      f    9779.75     9779.75
## 1271      48.4      11      f       0.00        0.00
## 1272      79.6       9      f       0.00        0.00
## 1273      59.1       9      f    4793.28     4793.28
## 1274      22.4      23      f    5691.14     5691.14
## 1275      23.7      18      f   10159.73    10159.73
## 1276      32.6      33      f   23730.15    23730.15
## 1277      26.0      38      f   11399.47    11399.47
## 1278      38.2      24      f    6123.68     6123.68
## 1279      38.0      53      f    6794.19     6794.19
## 1280      19.0      17      f   18452.26    18452.26
## 1281       2.7      44      f       0.00        0.00
## 1282      73.9      22      f       0.00        0.00
## 1283       0.2      16      f       0.00        0.00
## 1284      58.9      13      f       0.00        0.00
## 1285      11.5      18      f       0.00        0.00
## 1286      11.7      37      f       0.00        0.00
## 1287      75.6      23      f       0.00        0.00
## 1288      34.1      21      f       0.00        0.00
## 1289      31.4      12      f       0.00        0.00
## 1290      16.0      38      f       0.00        0.00
## 1291      10.1      14      f       0.00        0.00
## 1292       8.6      23      f       0.00        0.00
## 1293       4.1      12      f       0.00        0.00
## 1294      44.6      19      f       0.00        0.00
## 1295      70.3      12      f       0.00        0.00
## 1296       9.0      33      f       0.00        0.00
## 1297      18.4      46      f    7440.01     7440.01
## 1298      82.6      24      f    8424.70     8424.70
## 1299      58.4      18      f   21975.95    21975.95
## 1300      57.8      33      f    4266.72     4266.72
## 1301      79.5      19      f    2713.15     2713.15
## 1302      52.7      29      f     279.27      279.27
## 1303      40.0      41      f    2858.94     2858.94
## 1304      49.4      54      f    9019.34     9019.34
## 1305      37.0      19      f   12480.63    12480.63
## 1306      20.4      42      f   14002.19    14002.19
## 1307      77.8      24      f   15221.43    15221.43
## 1308      40.8      45      f   12101.87    12101.87
## 1309      63.4      15      f    5684.61     5684.61
## 1310      23.7      22      f    9051.13     9051.13
```

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## 1311    77.3    36    f    5913.50     5913.50
## 1312    36.9    19    f    1905.27     1905.27
## 1313    19.2     9    f    4384.71     4384.71
## 1314     1.0    37    f    4877.36     4877.36
## 1315    86.5    20    f       0.00        0.00
## 1316    46.3    30    f   22578.52    22530.68
## 1317    88.8    50    f   14669.62    14620.73
## 1318    57.5    21    f   12780.83    12780.83
## 1319    72.3    10    f   12807.74    12592.68
## 1320    74.0    30    f   30324.40    30259.41
## 1321    51.7    36    f    2734.92     2734.92
## 1322    71.9    20    f       0.00        0.00
## 1323    62.7    12    f       0.00        0.00
## 1324    40.5    40    f   13129.42    13129.42
## 1325    33.2    19    f   16850.88    16850.88
## 1326    71.5    26    f    8752.95     8752.95
## 1327    33.2    20    f    9275.86     9275.86
## 1328    16.1    11    f    4477.68     4477.68
## 1329    18.4    19    f    5608.69     5608.69
## 1330    13.7    28    f    1759.88     1759.88
## 1331    98.3     5    f    3927.95     3927.95
## 1332    40.2    19    f   13576.71    13576.71
## 1333    17.0    26    f    4643.12     4643.12
## 1334    13.1    33    f    3000.00     3000.00
## 1335    26.3    43    f    2851.88     2851.88
## 1336    13.5    19    f    9470.31     9470.31
## 1337     6.0    21    f       0.00        0.00
## 1338    11.9     9    w   11691.82    11691.82
## 1339    54.7    31    w    8731.25     8731.25
## 1340    32.6    28    w    8748.10     8748.10
## 1341    38.9    15    w    2925.16     2925.16
## 1342    50.6    21    w    8737.47     8737.47
## 1343    34.7    33    w   18984.13    18984.13
## 1344    29.2    17    w    8382.00     8382.00
## 1345    42.7    33    w   14623.71    14623.71
## 1346    24.9    31    w   11396.21    11396.21
## 1347    58.4     7    w   15716.22    15716.22
## 1348    41.9    15    w    6116.22     6116.22
## 1349    73.7    16    w   13870.59    13870.59
## 1350    21.2    25    w   18970.46    18970.46
## 1351    26.9    20    w    5395.82     5395.82
## 1352    19.5    15    w    4365.60     4365.60
## 1353    34.5    19    w       0.00        0.00
## 1354    52.4    19    w    4725.93     4725.93
## 1355    65.0    16    w    5852.82     5852.82
## 1356    46.5    14    w    8000.00     8000.00
## 1357    19.8    33    w    6588.58     6588.58
## 1358    17.4    65    w   14614.77    14614.77
## 1359     4.2    46    w   11495.69    11495.69
## 1360    19.1    35    w    4220.94     4220.94
## 1361    76.9    36    w   21800.50    21800.50
## 1362    37.7    15    w   10672.04    10672.04
## 1363    26.6    23    w    6140.95     6140.95
## 1364    76.9    14    w   16136.57    16136.57
```

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## 1365     82.5     22          w    6434.44      6434.44
## 1366     70.1     44          w   11396.21     11396.21
## 1367     45.7     33          w   11533.51     11533.51
## 1368     48.8     15          w    7930.58      7930.58
## 1369     51.8     16          w    7178.40      7178.40
## 1370     11.7     16          w    5104.41      5104.41
## 1371     29.2     38          w    8533.51      8533.51
## 1372     14.9     40          w    6559.13      6559.13
## 1373     43.6     15          w    4311.11      4311.11
## 1374     48.8     21          w   12709.63     12709.63
## 1375     63.2     17          w    8039.84      8039.84
## 1376     28.2     36          w    5963.57      5963.57
## 1377     37.8     12          w    4875.26      4875.26
## 1378     74.0     33          w   11691.82     11691.82
## 1379     35.6     31          w    8526.52      8526.52
## 1380     57.5     20          w   28825.14     28825.14
## 1381     33.5     21          w    4468.41      4468.41
## 1382     33.2     30          w    5730.37      5730.37
## 1383      1.0     26          w    6420.20      6420.20
## 1384     36.6     31          w   15857.06     15857.06
## 1385     16.0     45          w   12267.26     12267.26
## 1386     25.0     38          w   17427.88     17427.88
## 1387     73.0     34          w    5535.68      5535.68
## 1388     30.8     24          w   11478.46     11478.46
## 1389     33.9     30          w   20533.69     20533.69
## 1390     44.3     21          w    6242.28      6242.28
## 1391     31.6     23          w    4650.94      4650.94
## 1392     48.0     21          w    8355.46      8355.46
## 1393     33.7     26          w   27308.10     27308.10
## 1394     38.5     22          w    9001.77      9001.77
## 1395     43.7     32          w    3524.49      3524.49
## 1396     39.7     27          w    9803.08      9803.08
## 1397     10.9     40          w    7403.03      7403.03
## 1398      7.7     45          w    4629.93      4629.93
## 1399     47.0     25          w    4508.01      4508.01
## 1400     70.6     33          w    2879.26      2879.26
## 1401     21.2     26          w   15528.41     15528.41
## 1402     49.0     23          w    5039.88      5039.88
## 1403     25.8     37          w    8639.80      8639.80
## 1404     64.9     40          w    9544.29      9544.29
## 1405     81.4     26          w   13758.28     13758.28
## 1406     22.7     55          w   12959.50     12959.50
## 1407     78.2     23          w   10815.42     10815.42
## 1408     81.0     17          w    6984.98      6984.98
## 1409     25.4     33          w    5542.39      5542.39
## 1410     45.8     32          w    8335.42      8335.42
## 1411     49.4     23          w    9985.76      9985.76
## 1412     32.0     36          w   19882.78     19882.78
## 1413     63.2     27          w    5424.43      5424.43
## 1414     56.1     50          w    6051.31      6051.31
## 1415     11.0     30          w    7004.27      7004.27
## 1416     18.4     35          w    6140.95      6140.95
## 1417     52.5     44          w    4605.71      4605.71
## 1418     33.8     18          w    8473.11      8473.11
```

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## 1419    62.3    27    w    12597.25    12509.77
## 1420    18.0    43    w     7217.95     7217.95
## 1421    46.6    34    w     3108.83     3108.83
## 1422    52.5    10    w     1811.11     1811.11
## 1423    16.9    22    w     3838.10     3838.10
## 1424    17.1    26    w        0.00        0.00
## 1425    12.1    46    w        0.00        0.00
## 1426    47.4    24    w        0.00        0.00
## 1427    61.3    27    w        0.00        0.00
## 1428    60.7    34    w        0.00        0.00
## 1429     9.5    20    w        0.00        0.00
## 1430    34.9    14    w     4875.26     4875.26
## 1431    60.8    32    w     4873.34     4873.34
## 1432     4.0    33    w    16399.34    16399.34
## 1433    13.3    40    w     5000.00     5000.00
## 1434     5.0    32    f        0.00        0.00
## 1435    12.1    54    f        0.00        0.00
## 1436    15.6    19    f        0.00        0.00
## 1437    20.5    23    f        0.00        0.00
## 1438    57.5     9    f        0.00        0.00
## 1439    58.3     9    f        0.00        0.00
## 1440    11.2    26    f        0.00        0.00
## 1441    12.7    46    f        0.00        0.00
## 1442    13.6    14    f        0.00        0.00
## 1443    19.8    10    f        0.00        0.00
## 1444     9.7    63    f     7599.65     7599.65
## 1445    52.5    12    f        0.00        0.00
## 1446     0.0     9    f        0.00        0.00
## 1447    44.2    17    f        0.00        0.00
## 1448    47.7     6    f     3287.89     3287.89
## 1449    24.2    24    f     5270.77     5270.77
## 1450    82.6    18    f    14215.61    14215.61
## 1451    59.7    22    f     9303.59     9303.59
## 1452    42.1    31    f    15840.83    15840.83
## 1453    41.5    21    f    15155.77    15155.77
## 1454    24.5    10    f     9401.03     9401.03
## 1455    29.7    23    f     3293.74     3293.74
## 1456    19.8    16    f      458.73      458.73
## 1457    19.6    21    f     7259.93     7259.93
## 1458    50.7    28    f     6579.42     6579.42
## 1459    71.4    24    f        0.00        0.00
## 1460    39.6    29    f     9547.28     9547.28
## 1461    21.6     4    f        0.00        0.00
## 1462    56.3    14    f        0.00        0.00
## 1463    29.9     9    f     4599.45     4466.13
## 1464    73.1    13    f     7115.69     7115.69
## 1465    74.9    19    f     4436.59     4436.59
## 1466    41.7    24    f    22832.30    22603.97
## 1467    98.3    27    f     8442.15     8442.15
## 1468    38.2    34    f     8161.38     8120.57
## 1469    48.6    39    w     5412.65     5412.65
## 1470    96.2    17    w     9604.65     9604.65
## 1471    79.8     7    w    14631.27    14631.27
## 1472    20.2    21    w     9652.22     9652.22
```

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## 1473      93.5    31      w      0.00        0.00
## 1474      21.2    27      w   8772.02     8772.02
## 1475      28.9    21      w  10000.00    10000.00
## 1476       7.1    44      w  11000.00    11000.00
## 1477      56.3    11      w   7917.22     7917.22
## 1478      66.6    13      w   7158.04     7158.04
## 1479      82.0     7      w  10042.11    10042.11
## 1480      50.9    16      w      0.00        0.00
## 1481      70.7    29      w  15329.61    15329.61
## 1482      40.3    31      f  12899.07    12899.07
## 1483      35.6    20      f   2861.23     2861.23
## 1484      58.6    23      f  11536.44    11536.44
## 1485      22.2    20      f   4533.24     4533.24
## 1486      68.8    31      f  20301.96    20301.96
## 1487      45.0    17      f   2789.86     2789.86
## 1488      28.5    33      f  10889.91    10889.91
## 1489      63.1    15      f   4007.58     4007.58
## 1490      13.1    20      f   2327.49     2327.49
## 1491      57.9    22      f   2063.23     2063.23
## 1492      44.6    23      f      0.00        0.00
## 1493      66.3    14      f      0.00        0.00
## 1494      26.9    10      f      0.00        0.00
## 1495      45.9     5      f      0.00        0.00
## 1496      84.8    17      f      0.00        0.00
## 1497      16.0    17      f      0.00        0.00
## 1498       6.3    29      f      0.00        0.00
## 1499      42.9    25      f      0.00        0.00
## 1500      52.1    23      f   7002.36     7002.36
## 1501      34.1    41      f   4960.45     4882.94
## 1502      50.9    19      f   1298.18     1298.18
## 1503      69.0    26      f   4669.76     4669.76
## 1504      56.9    19      f   2132.34     2132.34
## 1505      16.5    12      f   1476.62     1476.62
## 1506       7.0    42      f    755.39      755.39
## 1507      53.6    13      f   3789.64     3789.64
## 1508      31.3    24      f   3660.80     3660.80
## 1509      45.9    29      f   3814.15     3814.15
## 1510      25.2    25      f   9087.00     9087.00
## 1511      37.0    37      f   9223.47     9130.30
## 1512      38.9    14      f   8826.95     8826.95
## 1513      98.5     9      f   9743.97     9743.97
## 1514      14.6    11      f  13298.10    13266.44
## 1515      59.6    14      f   4208.57     4155.96
## 1516       3.4    42      f   4666.63     4666.63
## 1517      45.7    18      f   1930.64     1930.64
## 1518      28.9     6      f   7815.95     7742.68
## 1519      65.0    24      f      0.00        0.00
## 1520      77.8    27      f      0.00        0.00
## 1521      93.7     8      f      0.00        0.00
## 1522      96.1     7      f      0.00        0.00
## 1523      53.8    47      f      0.00        0.00
## 1524      22.3    21      f   3160.78     3160.78
## 1525      89.6    16      f      0.00        0.00
## 1526      91.8    12      f   4080.65     4080.65
```

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## 1527     5.5     6      f    2466.76    2466.76
## 1528    30.9    10      f    8367.51    8367.51
## 1529    54.0    43      f    7132.82    7086.05
## 1530    54.4    39      f    7812.31    7812.31
## 1531    66.0     8      f    1675.58    1675.58
## 1532    19.6    28      f    8716.98    8716.98
## 1533    92.9    11      f    4140.91    4140.91
## 1534    53.1    20      f    2044.43    2044.43
## 1535    23.7    22      f    2394.27    2394.27
## 1536    76.6     6      f       0.00       0.00
## 1537    75.7    13      f       0.00       0.00
## 1538    89.9    18      f       0.00       0.00
## 1539    78.1    10      f       0.00       0.00
## 1540    41.1     9      w    7664.78    7664.78
## 1541    67.2    19      w    6231.41    6231.41
## 1542    77.5    19      w    8222.71    8222.71
## 1543    40.0    14      w    1057.71    1057.71
## 1544    42.5    15      w    6478.36    6478.36
## 1545    91.0     4      w    4687.23    4687.23
## 1546    33.1     8      w    3049.54    3049.54
## 1547    69.9    17      w    9746.63    9746.63
## 1548    67.0    48      w   10066.75   10066.75
## 1549    31.6    27      w     824.21     824.21
## 1550    23.8    24      w    4876.98    4876.98
## 1551    18.7    13      w    2129.41    2129.41
## 1552    66.0    28      w    7026.42    7026.42
## 1553    36.8    23      w    3714.48    3714.48
## 1554    60.0    25      w    9375.43    9336.36
## 1555    84.8    18      w    9375.43    9375.43
## 1556    24.4    20      w    3122.43    3122.43
## 1557    13.8    17      w    4790.48    4790.48
## 1558    63.0    29      w   17482.85   17482.85
## 1559    49.1    13      w    7828.00    7828.00
## 1560    56.2    23      w    9363.82    9363.82
## 1561    36.6    21      w    4790.48    4790.48
## 1562    72.4    12      w    1797.88    1797.88
## 1563    71.0    17      w    4593.84    4593.84
## 1564    46.9    14      w    5004.13    5004.13
## 1565    80.4    23      w    3862.18    3862.18
## 1566    51.6    50      w    5527.53    5488.04
## 1567    57.4    20      w    3099.00    3099.00
## 1568    74.6    45      w    3395.79    3395.79
## 1569    13.8    13      w    1796.01    1796.01
## 1570    64.9    17      w   14639.68   14639.68
## 1571    48.4    19      w    1724.37    1724.37
## 1572    36.6    19      w   12822.84   12822.84
## 1573    74.4    16      w    5891.55    5891.55
## 1574    45.3     8      w    1820.91    1820.91
## 1575    56.5    13      w    4879.89    4879.89
## 1576    56.8    12      w    6335.78    6335.78
## 1577    30.7    25      w    6748.77    6748.77
## 1578    31.6    34      w    6964.66    6964.66
## 1579    36.1    44      w    5962.35    5962.35
## 1580    68.3    51      w    1309.31    1309.31
```

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## 1581     27.6    44    w    6741.99     6741.99
## 1582     50.6    16    w    6406.62     6406.62
## 1583     49.1    15    w    3501.18     3501.18
## 1584     37.2    16    w    1851.38     1851.38
## 1585     20.8     8    w    4508.68     4508.68
## 1586     33.3    20    w    3771.43     3771.43
## 1587     60.4    21    w    2633.76     2633.76
## 1588     58.4    10    w    1562.49     1562.49
## 1589     59.5    11    w    1712.67     1712.67
## 1590     32.2    39    w       0.00        0.00
## 1591     26.2    16    w       0.00        0.00
## 1592     60.0    13    w       0.00        0.00
## 1593     54.1    19    w       0.00        0.00
## 1594     65.8    11    w    7812.84     7812.84
## 1595     70.7    18    w    2038.16     2038.16
## 1596      3.2    13    w    8645.54     8645.54
## 1597    100.6     4    f   27597.75    27597.75
## 1598     69.5    11    f   10211.69    10211.69
## 1599     35.4    13    f       0.00        0.00
## 1600     41.8    30    f       0.00        0.00
## 1601     12.7    23    f       0.00        0.00
## 1602     30.8    26    f   11554.72    11554.72
## 1603     50.5    19    f    7932.76     7932.76
## 1604     71.7    27    f   10231.70    10231.70
## 1605     62.6    30    f    2892.76     2892.76
## 1606     64.0    30    f    7198.49     7198.49
## 1607     73.1    18    f    2367.60     2367.60
## 1608     63.9    11    f    1217.56     1217.56
## 1609     28.3    18    f    5873.52     5873.52
## 1610     32.1    30    f   11909.96    11909.96
## 1611     41.3    27    f    5008.99     5008.99
## 1612     47.0    25    f   13299.39    13299.39
## 1613     40.2    34    f    5742.68     5742.68
## 1614     55.8    13    f   11225.42    11225.42
## 1615     31.3    34    f    1499.83     1499.83
## 1616     17.2    20    f    2402.55     2390.49
## 1617     21.2    32    f    6024.01     6016.46
## 1618     32.3    16    f    4588.73     4588.73
## 1619     59.9    35    f   15169.51    15169.51
## 1620     37.4    33    f    5334.17     5334.17
## 1621     75.3    30    f    9749.15     9749.15
## 1622     40.1    34    f    1919.62     1919.62
## 1623      6.5    19    f       0.00        0.00
## 1624     10.1    44    f       0.00        0.00
## 1625     22.7    21    f       0.00        0.00
## 1626     43.9    37    f       0.00        0.00
## 1627     81.8    17    f       0.00        0.00
## 1628     60.8    17    f       0.00        0.00
## 1629     13.7    27    f       0.00        0.00
## 1630     33.0    29    f       0.00        0.00
## 1631     23.9    17    f       0.00        0.00
## 1632     64.1    30    f       0.00        0.00
## 1633     43.2     9    f       0.00        0.00
## 1634     19.2    23    f       0.00        0.00
```

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## 1635     9.5    22          f        0.00         0.00
## 1636    78.1    26          f        0.00         0.00
## 1637    49.8    27          f        0.00         0.00
## 1638     0.8    34          f        0.00         0.00
## 1639     7.3    30          f        0.00         0.00
## 1640     0.0     9          f        0.00         0.00
## 1641     5.5    27          f        0.00         0.00
## 1642    31.6    26          f        0.00         0.00
## 1643     7.1    15          f        0.00         0.00
## 1644     4.5     8          f        0.00         0.00
## 1645    44.6    19          f        0.00         0.00
## 1646    35.2    32          f        0.00         0.00
## 1647    38.3    47          f     4852.00      4852.00
## 1648    65.0    20          f        0.00         0.00
## 1649    52.2    26          f        0.00         0.00
## 1650    46.1    35          f        0.00         0.00
## 1651    93.4    24          f        0.00         0.00
## 1652    90.6    21          f        0.00         0.00
## 1653    33.1    22          f        0.00         0.00
## 1654    13.9    43          f        0.00         0.00
## 1655    61.5    18          f        0.00         0.00
## 1656    65.4    24          f        0.00         0.00
## 1657    14.0    26          f        0.00         0.00
## 1658    36.6    14          f     4790.48      4790.48
## 1659    43.0    42          f     9256.86      9256.86
## 1660    55.9    29          f    13367.73     13367.73
## 1661    80.7    52          f    27203.64     27203.64
## 1662    84.5    41          f    10767.24     10767.24
## 1663    52.0    29          f    14079.05     14079.05
## 1664    39.0    40          f     4886.72      4886.72
## 1665    99.9    19          f    23778.67     23710.73
## 1666    56.2    27          f     2287.02      2287.02
## 1667    67.5    14          f     3066.34      3066.34
## 1668    41.2    43          f    13925.98     13925.98
## 1669    69.2    37          f     3220.07      3220.07
## 1670    54.4    27          f     4764.91      4764.91
## 1671    35.0    31          f      417.49       417.49
## 1672    38.6    50          f     2996.44      2996.44
## 1673    43.3    26          f     4194.99      4194.99
## 1674    54.0    40          f    11271.81     11271.81
## 1675    59.5    21          f     5684.61      5684.61
## 1676    57.9    32          f    25495.30     25410.32
## 1677    55.1    35          f     6492.99      6492.99
## 1678    86.9    13          f    12363.22     12363.22
## 1679    87.6    46          f    20133.64     20116.87
## 1680    73.5    38          f     3718.76      3718.76
## 1681    62.5    12          f     3070.52      3070.52
## 1682    54.1    27          f     2552.84      2552.84
## 1683    82.8    21          f    24528.37     24528.37
## 1684    52.1    20          f     6068.73      6068.73
## 1685    82.2    16          f     4140.92      4140.92
## 1686    77.9    24          f    17945.52     17945.52
## 1687    34.2    17          f     4281.42      4281.42
## 1688    66.6    38          f    24325.37     24325.37
```

```
## 1689      53.5      32           f    1196.06      1192.75
## 1690      52.7      22           f    6798.73      6798.73
## 1691      38.3      39           f    8562.90      8562.90
## 1692      23.2      19           f    7750.77      7673.26
## 1693      61.9      17           f    8052.38      8052.38
## 1694      51.5      32           f    4187.21      4187.21
## 1695      32.2      40           f    6362.86      6362.86
## 1696      85.4      21           f   11093.54     11093.54
## 1697      60.0      44           f   11626.09     11548.59
## 1698       9.4      30           f    1536.98      1536.98
## 1699      39.2      13           f    4490.92      4490.92
## 1700      57.9      37           f   28986.77     28986.77
## 1701      63.3      13           f    3073.81      3073.81
## 1702      36.1      22           f    4982.16      4982.16
## 1703      44.1      58           f   11957.27     11957.27
## 1704      68.0      10           f    4131.97      4131.97
## 1705      61.5      34           f    7405.49      7359.21
## 1706      17.3      14           f     580.96       580.96
## 1707      54.6      16           f    1488.60      1488.60
## 1708      60.0      50           f    4452.42      4452.42
## 1709      44.6      40           f   12455.38     12439.81
## 1710      23.6      25           f    5100.34      5100.34
## 1711      64.3      15           f    7148.83      7119.04
## 1712      53.7      28           f       0.00         0.00
## 1713      58.5      13           f       0.00         0.00
## 1714      66.1      23           f       0.00         0.00
## 1715      23.9      27           f       0.00         0.00
## 1716      40.2      28           f       0.00         0.00
## 1717      78.9      37           f       0.00         0.00
## 1718      67.9      28           f       0.00         0.00
## 1719      52.1      11           f       0.00         0.00
## 1720      77.5      28           f       0.00         0.00
## 1721      63.1      15           f       0.00         0.00
## 1722      87.2      18           f       0.00         0.00
## 1723      52.5      33           f       0.00         0.00
## 1724      76.4      40           f       0.00         0.00
## 1725      83.5      20           f       0.00         0.00
## 1726      27.6      34           f       0.00         0.00
## 1727      56.3      38           f       0.00         0.00
## 1728      13.6      32           f       0.00         0.00
## 1729      62.8      36           f       0.00         0.00
## 1730      35.6      16           f       0.00         0.00
## 1731      72.7      16           f       0.00         0.00
## 1732      66.1      35           f       0.00         0.00
## 1733      73.0      22           f       0.00         0.00
## 1734      14.2      22           f       0.00         0.00
## 1735      50.0      31           f       0.00         0.00
## 1736      29.8      33           f       0.00         0.00
## 1737      25.9      16           f       0.00         0.00
## 1738      56.9      14           f       0.00         0.00
## 1739      45.8      35           f       0.00         0.00
## 1740      95.9      13           f       0.00         0.00
## 1741      69.3      30           f    3125.04      3109.42
## 1742      40.8      53           f    5653.80      5653.80
```

```
## 1743     30.4     13          f   14414.97    14414.97
## 1744     84.7     10          f       0.00        0.00
## 1745     83.2     15          f       0.00        0.00
## 1746     55.8     35          f       0.00        0.00
## 1747     30.6     21          f       0.00        0.00
## 1748     59.0     14          f       0.00        0.00
## 1749     42.1     37          f       0.00        0.00
## 1750     74.3     26          f       0.00        0.00
## 1751     38.0     19          f       0.00        0.00
## 1752     63.9     11          f    5044.61     5044.61
## 1753     73.7     20          f   18026.79    18026.79
## 1754     64.0     11          f    2850.54     2850.54
## 1755     83.7     21          f       0.00        0.00
## 1756     47.7     13          f       0.00        0.00
## 1757     42.2     20          f    3911.90     3863.00
## 1758     57.1     10          f    5816.13     5793.23
## 1759     28.6     37          w    9061.25     9061.25
## 1760      2.7     16          w   11327.12    11327.12
## 1761     67.7     14          w       0.00        0.00
## 1762     80.0     28          w       0.00        0.00
## 1763      1.1     19          w    4750.00     4750.00
## 1764     23.5     26          w   25000.00    25000.00
## 1765     38.5     26          w   15228.43    15228.43
## 1766     31.5     10          w    4054.72     4054.72
## 1767     91.6     11          w   24372.86    24372.86
## 1768     30.3     10          w    4493.94     4493.94
## 1769      5.4     54          w    6111.87     6111.87
## 1770     99.4     15          w    6103.96     6103.96
## 1771     98.4     22          w    3976.51     3976.51
## 1772     38.7      7          w    5399.78     5399.78
## 1773     70.7     16          w   19112.15    19112.15
## 1774     37.5     29          w    1969.97     1969.97
## 1775      8.2     32          w    1480.60     1480.60
## 1776     34.0     18          w    4386.81     4386.81
## 1777     29.2     18          w    3314.29     3314.29
## 1778     28.8     10          w    6500.00     6500.00
## 1779     34.4     22          w    4137.60     4137.60
## 1780     37.6     37          w    8929.82     8929.82
## 1781      9.6     39          w   14018.63    14018.63
## 1782     19.7     52          w    3060.15     3060.15
## 1783     89.0     26          w    6292.56     6292.56
## 1784     27.6     27          w   11183.97    11183.97
## 1785     57.2     11          w    8235.74     8235.74
## 1786      2.5     17          w    4875.26     4875.26
## 1787     29.2     18          w    2502.84     2502.84
## 1788      9.9     28          w    1921.80     1921.80
## 1789     38.4     15          w    2470.36     2470.36
## 1790     27.7     29          w    6700.72     6700.72
## 1791     46.3     15          w   19048.12    19048.12
## 1792     49.7     18          w    7160.48     7160.48
## 1793     30.8     20          w    5242.49     5242.49
## 1794     30.2     25          w    7412.12     7412.12
## 1795     52.8     28          w   15906.19    15886.31
## 1796      4.6     18          w     766.60      766.60
```

```
## 1797    43.0    22        w      567.66        567.66
## 1798    20.2    22        w     5000.00       5000.00
## 1799    65.1     7        w     3000.00       3000.00
## 1800    69.4    31        w        0.00          0.00
## 1801    32.2    30        w     5198.46       5198.46
## 1802    36.0    19        w     2478.49       2478.49
## 1803    68.2    54        w     6059.94       6059.94
## 1804    19.0    42        w     3714.91       3714.91
## 1805    22.0     8        w     2803.83       2803.83
## 1806    60.0    11        w     9855.65       9855.65
## 1807    81.5    15        w     4558.20       4558.20
## 1808    55.6    15        w     1925.32       1925.32
## 1809    27.6     7        w     4235.98       4235.98
## 1810    65.2    27        w        0.00          0.00
## 1811    42.8    11        w        0.00          0.00
## 1812    91.0    28        w    12732.57      12732.57
## 1813    95.7    22        w     8326.87       8326.87
## 1814    27.8     4        w     5755.74       5755.74
## 1815    38.8    15        w     4056.72       4056.72
## 1816    59.3    11        w     2874.63       2874.63
## 1817     7.7     5        w     2455.48       2455.48
## 1818    45.8    22        w        0.00          0.00
## 1819    37.2    21        w        0.00          0.00
## 1820    30.5    29        w     2878.20       2878.20
## 1821    55.0    21        w    15000.00      15000.00
## 1822    46.1    24        w     7500.00       7500.00
## 1823    46.1    23        w    14400.00      14400.00
## 1824    39.0    30        w    27290.73      27290.73
## 1825    43.5    20        w    15000.00      15000.00
## 1826    51.2    38        w     8000.00       8000.00
## 1827    76.1    14        w    25000.00      25000.00
## 1828    27.8    17        f        0.00          0.00
## 1829    16.9    44        f        0.00          0.00
## 1830    51.1    13        f        0.00          0.00
## 1831    41.0    12        f        0.00          0.00
## 1832    24.6    12        f     5535.68       5535.68
## 1833    30.0    29        f    10333.26      10333.26
## 1834    10.8    33        f     7588.19       7588.19
## 1835    22.0    11        f     3781.74       3781.74
## 1836    67.7    29        f    13352.28      13282.74
## 1837    41.0    26        f     3796.81       3796.81
## 1838    36.8    26        f     4134.42       4134.42
## 1839    28.1    21        f    11055.69      11055.69
## 1840    83.4    14        f     5242.49       5242.49
## 1841    39.5    46        w    10000.00      10000.00
## 1842    48.9    15        w        0.00          0.00
## 1843    41.4    17        w     5243.77       5243.77
## 1844    37.2    22        w     7089.59       7089.59
## 1845    47.3    45        w     8955.37       8955.37
## 1846    92.2    24        w     5922.42       5922.42
## 1847    51.2    30        w    11586.53      11586.53
## 1848    23.7    20        w     4615.61       4615.61
## 1849    59.3    37        w      532.91        532.03
## 1850    77.2    23        w     8135.92       8135.92
```

```
## 1851    81.7    25         w    9680.90     9680.90
## 1852    55.7    24         w   16480.62    16480.62
## 1853    80.4    25         w   33296.90    33296.90
## 1854    44.0    24         w    3880.77     3880.77
## 1855    45.7    17         w    4804.96     4804.96
## 1856    44.6    30         w    8008.36     8008.36
## 1857    31.7    17         w    4123.48     4123.48
## 1858    75.3    10         w    3904.25     3904.25
## 1859    45.6    31         w     397.12      397.12
## 1860    64.3    23         w   17643.83    17643.83
## 1861    18.7    27         w    6649.03     6649.03
## 1862    57.4    21         w   10284.48    10284.48
## 1863    64.3    24         w   20843.67    20843.67
## 1864    96.0    22         w    5657.09     5657.09
## 1865    68.3    28         w   12078.56    12078.56
## 1866    71.7    23         w    9269.22     9269.22
## 1867    47.5    35         w    5130.63     5130.63
## 1868    34.2    26         w    2670.91     2670.91
## 1869    19.0    20         w    3201.18     3201.18
## 1870    88.4    22         w    8921.41     8921.41
## 1871    65.1    23         w   13154.18    13154.18
## 1872    34.7    22         w    2299.16     2299.16
## 1873    68.5    19         w    5617.88     5617.88
## 1874    28.2    20         w    4337.72     4337.72
## 1875    29.0    15         w    2269.54     2269.54
## 1876    41.5    36         w   32465.57    32465.57
## 1877    62.1    29         w   17067.06    17067.06
## 1878    80.0    10         w    7811.39     7811.39
## 1879    64.9    13         w    1633.41     1633.41
## 1880    70.6    22         w   25809.00    25809.00
## 1881    67.8    26         w    5956.90     5956.90
## 1882    64.8    24         w   13900.95    13900.95
## 1883    55.5    20         w   18583.55    18583.55
## 1884    97.1    29         w    5970.25     5970.25
## 1885    63.3    14         w    4258.82     4258.82
## 1886    80.6    18         w   13913.81    13913.81
## 1887    44.6    37         w    8549.87     8549.87
## 1888    67.2    14         w    7314.49     7314.49
## 1889    40.1    40         w   18482.82    18482.82
## 1890    36.0    22         w    4463.61     4463.61
## 1891    45.4    31         w    5617.88     5617.88
## 1892    38.3    49         w    8008.35     8008.35
## 1893    45.5    40         w    8012.93     8012.93
## 1894    52.5    18         w    7069.79     7069.79
## 1895    62.3    43         w    2728.16     2728.16
## 1896    32.3    15         w    1140.74     1140.74
## 1897    46.6    21         w    2752.75     2752.75
## 1898    42.8    25         w    6015.77     6015.77
## 1899    47.0    20         w   18940.61    18940.61
## 1900    74.8    37         w   11628.92    11628.92
## 1901    52.3    25         w     965.80      965.80
## 1902    35.8    26         w    7610.70     7610.70
## 1903    89.9    13         w   15221.89    15221.89
## 1904    63.2    17         w    2479.18     2479.18
```

```
## 1905    26.3    15        w    9267.31     9267.31
## 1906    51.7    14        w    9759.78     9759.78
## 1907    53.0    22        w   14873.82    14873.82
## 1908    77.3    18        w   14278.88    14278.88
## 1909    32.3    11        w   10050.63    10050.63
## 1910    23.9    19        w    9671.21     9671.21
## 1911    80.6    22        w   29934.37    29934.37
## 1912    55.6    25        w   11877.95    11877.95
## 1913    76.0    18        w   14988.10    14988.10
## 1914    64.0     9        w    6644.61     6644.61
## 1915    48.5    35        w   24083.24    24083.24
## 1916    40.7    15        w   12623.61    12623.61
## 1917    38.9    28        w   10649.90    10649.90
## 1918    18.3    38        w    4681.20     4681.20
## 1919    51.9    21        w    7624.08     7624.08
## 1920    82.9    25        w   13937.65    13937.65
## 1921    24.4    21        w    8158.49     8158.49
## 1922    69.8    16        w    5012.88     5012.88
## 1923    71.8    26        w     701.68      700.84
## 1924    41.4    25        w   12510.41    12510.41
## 1925    41.0    28        w    9762.98     9762.98
## 1926    49.9    32        w    7038.13     7038.13
## 1927    59.3    22        w    7433.40     7433.40
## 1928    54.0    44        w   32521.23    32521.23
## 1929    43.5    24        w    6099.28     6099.28
## 1930    41.7    19        w   16937.13    16937.13
## 1931    45.2    38        w   21876.12    21876.12
## 1932    69.7    25        w    3942.85     3942.85
## 1933    17.3    29        w   10436.68    10436.68
## 1934    61.6    41        w   21061.80    21061.80
## 1935    46.4    26        w   17505.95    17505.95
## 1936    29.0    18        w    9753.98     9753.98
## 1937    84.2    22        w    5282.30     5282.30
## 1938    31.9    31        w    5058.39     5058.39
## 1939    24.6    41        w   11423.11    11423.11
## 1940    71.8    25        w    1542.53     1542.53
## 1941    56.6    41        w   10669.47    10669.47
## 1942    85.7    29        w   11418.88    11418.88
## 1943    82.2    24        w    9529.83     9529.83
## 1944    43.1    36        w    4849.66     4839.54
## 1945    13.2    22        w    5203.39     5203.39
## 1946    60.6    15        w   11108.23    11108.23
## 1947    54.1    52        w    4121.07     4121.07
## 1948    16.1    22        w   12747.62    12747.62
## 1949    47.0    32        w   12608.06    12518.00
## 1950    77.8    23        w   12240.87    12240.87
## 1951    58.4    21        w    3718.76     3718.76
## 1952    75.1    33        w   17538.94    17538.94
## 1953    81.9    19        w    5110.58     5110.58
## 1954    50.6    22        w    2491.27     2491.27
## 1955    54.6    54        w    2798.04     2798.04
## 1956    72.4    36        w   11423.11    11423.11
## 1957    80.3    16        w   20000.00    20000.00
## 1958    64.7    18        w    5859.62     5859.62
```

```
## 1959    29.3      9      w  15205.93     15205.93
## 1960    44.6      8      w   6663.48      6663.48
## 1961    60.2     19      w   8526.91      8526.91
## 1962    65.8     26      w  10226.59     10226.59
## 1963    39.1     29      w   6861.47      6861.47
## 1964    55.0     22      w   7405.49      7405.49
## 1965    33.2     33      w   3992.06      3992.06
## 1966     8.6     31      w   2630.83      2630.83
## 1967    79.3     32      w   4835.60      4825.53
## 1968    68.3     25      w   8065.26      8065.26
## 1969    43.1     41      w   5717.90      5717.90
## 1970    17.4     23      w   6187.89      6187.89
## 1971    16.0     26      w   2403.82      2403.82
## 1972    68.0     19      w   2668.25      2668.25
## 1973    37.3     18      w   2578.54      2578.54
## 1974    19.8     42      w   9513.40      9513.40
## 1975    46.0     34      w   9762.98      9762.98
## 1976    17.0     46      w   2578.23      2578.23
## 1977    14.2     41      w  10714.79     10714.79
## 1978    20.2     21      w   3777.52      3767.31
## 1979    24.6     39      w   9018.58      9018.58
## 1980    22.7     11      w   6826.82      6826.82
## 1981    66.9     11      w   3335.31      3335.31
## 1982    12.0     20      w   4628.43      4628.43
## 1983    25.3     42      w   3421.58      3421.58
## 1984    48.5     28      w   3267.11      3267.11
## 1985    50.4     23      w  15129.70     15129.70
## 1986    45.6     31      w   9126.01      9126.01
## 1987    26.4     10      w   5856.37      5856.37
## 1988    36.1     20      w   5771.47      5771.47
## 1989    24.3     16      w   6853.87      6853.87
## 1990    54.5     42      w   2717.10      2717.10
## 1991    56.4     13      w   5597.05      5597.05
## 1992    69.9     32      w   4878.81      4878.81
## 1993    59.6     19      w   4765.04      4765.04
## 1994    69.8     26      w   6096.84      6096.84
## 1995     4.6     40      w   2733.99      2733.99
## 1996    53.5     15      w   4883.01      4883.01
## 1997    24.2     33      w   5617.88      5617.88
## 1998    12.8     13      w  10000.00     10000.00
## 1999    87.3     38      w   6335.44      6335.44
## 2000    68.1     20      w      0.00         0.00
## 2001    51.8     18      w      0.00         0.00
## 2002    21.8     53      w      0.00         0.00
## 2003    83.3     33      w      0.00         0.00
## 2004    42.0     21      w      0.00         0.00
## 2005    77.2     19      w      0.00         0.00
## 2006    47.4     26      w      0.00         0.00
## 2007    63.2     28      w      0.00         0.00
## 2008    85.7     22      w      0.00         0.00
## 2009    81.3     30      w      0.00         0.00
## 2010    66.5     36      w      0.00         0.00
## 2011    71.1     34      w      0.00         0.00
## 2012    40.0     24      w      0.00         0.00
```

```
## 2013   36.5    34      w      0.00        0.00
## 2014   66.0    40      w      0.00        0.00
## 2015   54.3    16      w      0.00        0.00
## 2016   47.2    33      w      0.00        0.00
## 2017   73.0    22      w      0.00        0.00
## 2018   45.6    18      w      0.00        0.00
## 2019   37.9    40      w      0.00        0.00
## 2020   96.0    22      w      0.00        0.00
## 2021   64.0    33      w      0.00        0.00
## 2022   22.2    30      w      0.00        0.00
## 2023   26.6    20      w      0.00        0.00
## 2024   50.0    31      w      0.00        0.00
## 2025   62.2    56      w  10500.00    10500.00
## 2026   94.7    15      w   4157.60     4157.60
## 2027   63.0    22      w  11417.22    11417.22
## 2028   45.8    12      w  20897.47    20897.47
## 2029   53.4    26      w   3948.20     3948.20
## 2030   69.4    34      w   4438.13     4438.13
## 2031   27.5    37      w  11060.01    11060.01
## 2032   91.9    36      w   5137.72     5137.72
## 2033   59.5    10      w   3908.80     3908.80
## 2034   94.6     4      w   9800.00     9800.00
## 2035   43.1    11      w   8575.00     8575.00
## 2036   25.9    29      w  18500.00    18500.00
## 2037   45.0    22      w   2950.00     2950.00
## 2038   38.5    32      w      0.00        0.00
## 2039   94.6     8      w      0.00        0.00
## 2040   53.8    27      w      0.00        0.00
## 2041   14.0    19      w      0.00        0.00
## 2042  101.0    18      w      0.00        0.00
## 2043   33.0    21      w      0.00        0.00
## 2044   36.0    27      w      0.00        0.00
## 2045   67.5    25      w      0.00        0.00
## 2046   80.4    21      w      0.00        0.00
## 2047   79.6     8      w      0.00        0.00
## 2048   48.8    55      w      0.00        0.00
## 2049   14.5    25      w      0.00        0.00
## 2050   38.3    27      w      0.00        0.00
## 2051   22.4    61      f      0.00        0.00
## 2052   53.3    26      f      0.00        0.00
## 2053   62.4    21      f      0.00        0.00
## 2054   80.6    11      f      0.00        0.00
## 2055   13.0    33      f      0.00        0.00
## 2056   74.8    28      f      0.00        0.00
## 2057    0.0    41      f      0.00        0.00
## 2058   34.3    27      f   3332.44     3332.44
## 2059   54.6    31      f      0.00        0.00
## 2060   38.2    17      f   4413.45     4413.45
## 2061   48.0    18      f   9299.54     9299.54
## 2062   94.6    17      f  20123.97    20123.97
## 2063   75.3    31      f   4000.00     4000.00
## 2064   44.9    36      f  10115.12    10115.12
## 2065   13.6    39      f   1953.98     1953.98
## 2066   68.3    25      f   7944.23     7944.23
```

```
## 2067         19.1       33              f     3910.20        3910.20
## 2068         26.0       34              f     9303.59        9303.59
## 2069         14.7       31              f        0.00           0.00
## 2070         38.3       47              f        0.00           0.00
## 2071         66.3       16              f        0.00           0.00
## 2072         72.3       15              f        0.00           0.00
## 2073         23.2       47              f        0.00           0.00
## 2074         56.3       14              f        0.00           0.00
## 2075         51.7       24              f    13965.06       13965.06
## 2076         33.8       41              f    25061.39       25061.39
## 2077         15.7       52              f        0.00           0.00
## 2078         48.9       25              f     9043.94        9043.94
## 2079         73.6       15              f    10647.02       10623.26
## 2080         32.4       49              f    18513.74       18513.74
## 2081         70.0       11              f     7318.21        7318.21
## 2082         51.7       25              f     8355.43        8355.43
## 2083         59.8       32              f    19059.66       19059.66
## 2084         73.6       25              f     5395.07        5395.07
## 2085         46.0        7              f    13308.76       13308.76
## 2086         69.2       34              f    21894.29       21894.29
## 2087         56.8        7              f     2634.90        2547.07
## 2088         41.4       27              f     4753.14        4753.14
## 2089         36.3       16              f    17067.05       17067.05
## 2090         45.2       29              f    16711.36       16711.36
## 2091         36.7       21              f    10823.20       10823.20
## 2092         35.5       35              f    15171.20       15171.20
## 2093         64.8       34              f     8769.47        8769.47
## 2094         37.8       35              f     9506.26        9506.26
## 2095         72.9       48              f    25377.62       25377.62
## 2096         54.3       21              f     9757.63        9757.63
## 2097         37.3       20              f    25343.23       25343.23
## 2098          7.8       27              f    10539.64       10539.64
## 2099         49.9       27              f        0.00           0.00
## 2100         78.9        8              f        0.00           0.00
## 2101         53.9       12              f        0.00           0.00
## 2102          9.5       35              f        0.00           0.00
## 2103         16.2       22              f        0.00           0.00
## 2104         51.2       39              f        0.00           0.00
## 2105         84.3       10              f        0.00           0.00
## 2106         58.0       23              f        0.00           0.00
## 2107         11.8       20              f        0.00           0.00
## 2108         24.6       38              f        0.00           0.00
## 2109          8.4       19              f        0.00           0.00
## 2110         68.6       22              f    11131.06       11131.06
## 2111         21.1       40              f     6838.96        6838.96
## 2112         51.4       19              f     5465.85        5465.85
## 2113         57.2       22              f    13925.73       13687.27
## 2114         56.5       41              f     8820.52        8820.52
## 2115         53.4       12              f     3244.19        3244.19
## 2116         73.1       12              f    14828.86       14828.86
## 2117         48.0       30              f     4692.74        4692.74
## 2118         74.8       27              f     9538.17        9299.72
## 2119         59.3       37              f     4954.71        4954.71
## 2120         48.2       22              f     1323.24        1323.24
```

```
## 2121      50.9       15                    f    3528.17        3528.17
## 2122      45.2       11                    f    2824.59        2824.59
## 2123      57.0       18                    f    7248.97        7248.97
## 2124      37.3       16                    f    7628.31        7628.31
## 2125      76.7       40                    f       0.00           0.00
## 2126      30.7       26                    f       0.00           0.00
## 2127      51.2       21                    f       0.00           0.00
##      collections_12_mths_ex_med policy_code acc_now_delinq tot_coll_amt
## 1                            0           1              0            0
## 2                            0           1              0            0
## 3                            0           1              0          150
## 4                            0           1              0            0
## 5                            0           1              0            0
## 6                            0           1              0            0
## 7                            0           1              0            0
## 8                            0           1              0            0
## 9                            0           1              0            0
## 10                           0           1              0            0
## 11                           0           1              0            0
## 12                           0           1              0            0
## 13                           0           1              0            0
## 14                           0           1              0            0
## 15                           0           1              0          631
## 16                           0           1              0            0
## 17                           0           1              0            0
## 18                           0           1              0            0
## 19                           0           1              0            0
## 20                           0           1              0            0
## 21                           0           1              0        13159
## 22                           0           1              0            0
## 23                           0           1              0            0
## 24                           0           1              0            0
## 25                           0           1              0            0
## 26                           0           1              0            0
## 27                           0           1              0            0
## 28                           0           1              0            0
## 29                           0           1              0          484
## 30                           0           1              0            0
## 31                           0           1              0            0
## 32                           0           1              0          225
## 33                           0           1              0            0
## 34                           0           1              0            0
## 35                           0           1              0            0
## 36                           0           1              0            0
## 37                           0           1              0            0
## 38                           0           1              0            0
## 39                           0           1              0            0
## 40                           0           1              0          172
## 41                           0           1              0            0
## 42                           0           1              0            0
## 43                           0           1              0            0
## 44                           0           1              0            0
## 45                           0           1              0            0
## 46                           0           1              0           50
```

```
## 47                              0          1          0              0
## 48                              0          1          0              0
## 49                              0          1          0              0
## 50                              0          1          0              0
## 51                              0          1          0              0
## 52                              0          1          0              0
## 53                              0          1          0              0
## 54                              0          1          0              0
## 55                              0          1          0           1710
## 56                              0          1          0              0
## 57                              0          1          0              0
## 58                              0          1          0            942
## 59                              0          1          0              0
## 60                              0          1          0              0
## 61                              0          1          0              0
## 62                              0          1          0              0
## 63                              0          1          0              0
## 64                              0          1          0              0
## 65                              0          1          0              0
## 66                              0          1          0              0
## 67                              0          1          0             58
## 68                              0          1          0              0
## 69                              0          1          0              0
## 70                              0          1          0              0
## 71                              0          1          0              0
## 72                              0          1          0              0
## 73                              0          1          0            575
## 74                              0          1          0              0
## 75                              0          1          0              0
## 76                              0          1          0              0
## 77                              0          1          0              0
## 78                              0          1          0              0
## 79                              0          1          0            119
## 80                              0          1          0              0
## 81                              0          1          0            218
## 82                              0          1          0              0
## 83                              0          1          0              0
## 84                              0          1          0              0
## 85                              0          1          0              0
## 86                              0          1          0              0
## 87                              0          1          0            293
## 88                              0          1          0              0
## 89                              0          1          0              0
## 90                              0          1          0              0
## 91                              0          1          0              0
## 92                              0          1          0              0
## 93                              0          1          0              0
## 94                              0          1          0              0
## 95                              0          1          0              0
## 96                              0          1          0              0
## 97                              0          1          0              0
## 98                              0          1          0              0
## 99                              0          1          0            197
## 100                             0          1          0              0
```

```
## 101                          1          1          0          54
## 102                          0          1          0           0
## 103                          0          1          0           0
## 104                          0          1          0           0
## 105                          0          1          0         196
## 106                          0          1          0           0
## 107                          0          1          0           0
## 108                          0          1          0           0
## 109                          0          1          0           0
## 110                          0          1          0           0
## 111                          0          1          0           0
## 112                          0          1          0           0
## 113                          1          1          0         187
## 114                          0          1          0           0
## 115                          0          1          0           0
## 116                          0          1          0           0
## 117                          0          1          0           0
## 118                          0          1          0           0
## 119                          0          1          0           0
## 120                          0          1          0           0
## 121                          0          1          0           0
## 122                          0          1          0           0
## 123                          0          1          0           0
## 124                          0          1          0           0
## 125                          0          1          0           0
## 126                          0          1          0           0
## 127                          0          1          0           0
## 128                          0          1          0         606
## 129                          0          1          0           0
## 130                          0          1          0        2132
## 131                          0          1          0           0
## 132                          0          1          0           0
## 133                          0          1          0           0
## 134                          0          1          0           0
## 135                          0          1          0           0
## 136                          0          1          0           0
## 137                          0          1          0           0
## 138                          0          1          0           0
## 139                          0          1          0           0
## 140                          0          1          0           0
## 141                          0          1          0           0
## 142                          0          1          0           0
## 143                          0          1          0           0
## 144                          0          1          0         105
## 145                          0          1          0           0
## 146                          0          1          0           0
## 147                          0          1          0           0
## 148                          0          1          0           0
## 149                          0          1          0           0
## 150                          0          1          0           0
## 151                          0          1          0           0
## 152                          0          1          0           0
## 153                          0          1          0           0
## 154                          0          1          0           0
```

```
## 155                         0          1          0          0
## 156                         0          1          0          0
## 157                         0          1          0          0
## 158                         0          1          0          0
## 159                         0          1          0          0
## 160                         0          1          0          0
## 161                         0          1          0          0
## 162                         0          1          0          0
## 163                         0          1          0          0
## 164                         0          1          0          0
## 165                         0          1          0          0
## 166                         0          1          0          0
## 167                         0          1          0          0
## 168                         0          1          0          0
## 169                         0          1          0          0
## 170                         0          1          0          0
## 171                         0          1          0          0
## 172                         1          1          0       6889
## 173                         1          1          0          0
## 174                         0          1          0          0
## 175                         0          1          0          0
## 176                         0          1          0          0
## 177                         0          1          0          0
## 178                         0          1          0          0
## 179                         0          1          0          0
## 180                         0          1          0        320
## 181                         0          1          0          0
## 182                         0          1          0        213
## 183                         0          1          0          0
## 184                         0          1          0          0
## 185                         0          1          0          0
## 186                         0          1          0          0
## 187                         0          1          0          0
## 188                         0          1          0          0
## 189                         0          1          0         66
## 190                         0          1          0          0
## 191                         0          1          0          0
## 192                         0          1          0          0
## 193                         0          1          0          0
## 194                         0          1          0          0
## 195                         0          1          0          0
## 196                         0          1          0          0
## 197                         0          1          0          0
## 198                         0          1          0          0
## 199                         0          1          0          0
## 200                         0          1          0          0
## 201                         0          1          0          0
## 202                         0          1          0          0
## 203                         0          1          0        941
## 204                         0          1          0        576
## 205                         0          1          0          0
## 206                         0          1          0          0
## 207                         0          1          0          0
## 208                         0          1          0          0
```

```
## 209                          0              1              0              0
## 210                          0              1              0              0
## 211                          0              1              0              0
## 212                          0              1              0              0
## 213                          0              1              0              0
## 214                          0              1              0              0
## 215                          0              1              0              0
## 216                          0              1              0              0
## 217                          0              1              0            210
## 218                          0              1              0              0
## 219                          0              1              0              0
## 220                          0              1              1              0
## 221                          0              1              0              0
## 222                          0              1              0              0
## 223                          0              1              0              0
## 224                          0              1              0              0
## 225                          0              1              0              0
## 226                          0              1              0              0
## 227                          0              1              0            431
## 228                          0              1              0              0
## 229                          0              1              0              0
## 230                          0              1              0            181
## 231                          0              1              0              0
## 232                          0              1              0              0
## 233                          0              1              0              0
## 234                          0              1              0              0
## 235                          0              1              0              0
## 236                          0              1              0              0
## 237                          0              1              0              0
## 238                          0              1              0              0
## 239                          0              1              0              0
## 240                          0              1              0              0
## 241                          0              1              0              0
## 242                          0              1              0              0
## 243                          0              1              0              0
## 244                          0              1              0              0
## 245                          0              1              0              0
## 246                          0              1              0              0
## 247                          0              1              0              0
## 248                          0              1              0              0
## 249                          0              1              0              0
## 250                          0              1              0              0
## 251                          0              1              0            868
## 252                          0              1              0              0
## 253                          0              1              0           1392
## 254                          0              1              0              0
## 255                          0              1              0              0
## 256                          0              1              0              0
## 257                          0              1              0              0
## 258                          0              1              0              0
## 259                          0              1              0              0
## 260                          0              1              0              0
## 261                          0              1              0              0
## 262                          0              1              0              0
```

```
## 263                        0         1         0         0
## 264                        0         1         0         0
## 265                        0         1         0         0
## 266                        0         1         0         0
## 267                        0         1         0         0
## 268                        0         1         0         0
## 269                        0         1         0         0
## 270                        0         1         0         0
## 271                        0         1         0         0
## 272                        0         1         0         0
## 273                        0         1         0         0
## 274                        0         1         0       134
## 275                        0         1         0         0
## 276                        0         1         0         0
## 277                        0         1         0         0
## 278                        0         1         0         0
## 279                        0         1         0         0
## 280                        0         1         0         0
## 281                        0         1         0      1185
## 282                        0         1         0         0
## 283                        0         1         0         0
## 284                        0         1         0         0
## 285                        0         1         0         0
## 286                        0         1         0         0
## 287                        0         1         0         0
## 288                        0         1         0         0
## 289                        0         1         0         0
## 290                        0         1         0         0
## 291                        0         1         0         0
## 292                        0         1         0       322
## 293                        0         1         0         0
## 294                        0         1         0         0
## 295                        0         1         0         0
## 296                        0         1         0         0
## 297                        0         1         0         0
## 298                        0         1         0         0
## 299                        0         1         0         0
## 300                        0         1         0         0
## 301                        0         1         0         0
## 302                        0         1         0       280
## 303                        0         1         0       178
## 304                        0         1         0         0
## 305                        0         1         0         0
## 306                        0         1         0         0
## 307                        0         1         0         0
## 308                        0         1         0         0
## 309                        0         1         0         0
## 310                        0         1         0         0
## 311                        0         1         0         0
## 312                        0         1         0         0
## 313                        0         1         0         0
## 314                        0         1         0       125
## 315                        0         1         0         0
## 316                        0         1         0         0
```

```
## 317                    0        1        0         158
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## 319                    0        1        0           0
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## 323                    0        1        0           0
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## 341                    0        1        0           0
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## 343                    0        1        0         356
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## 350                    0        1        0           0
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## 354                    0        1        0           0
## 355                    0        1        0           0
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## 357                    0        1        0           0
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## 363                    0        1        0         189
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## 368                    0        1        0           0
## 369                    0        1        0         784
## 370                    0        1        0           0
```

```
## 371                      0             1             0             0
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## 423                      0             1             0            65
## 424                      0             1             0             0
```

```
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## 477                          0          1          0          0
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```

```
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## 530                           0            1            0            0
## 531                           0            1            0            0
## 532                           0            1            0            0
```

```
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## 584                          0          1          0          0
## 585                          0          1          0          0
## 586                          0          1          0          0
```

```
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## 588                         0            1            0            0
## 589                         0            1            0            0
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## 591                         0            1            0            0
## 592                         0            1            0            0
## 593                         0            1            0            0
## 594                         0            1            0            0
## 595                         0            1            0            0
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## 597                         0            1            0         3084
## 598                         0            1            0            0
## 599                         0            1            0          130
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## 602                         0            1            0         8481
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## 606                         0            1            0            0
## 607                         0            1            0            0
## 608                         0            1            0           52
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## 614                         0            1            0            0
## 615                         0            1            0          593
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## 620                         0            1            0            0
## 621                         1            1            0            0
## 622                         0            1            0            0
## 623                         0            1            0            0
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## 625                         0            1            0            0
## 626                         0            1            0            0
## 627                         0            1            0            0
## 628                         0            1            0            0
## 629                         0            1            0            0
## 630                         0            1            0            0
## 631                         0            1            0            0
## 632                         0            1            0            0
## 633                         0            1            0            0
## 634                         0            1            0            0
## 635                         0            1            0            0
## 636                         0            1            0            0
## 637                         0            1            0            0
## 638                         0            1            0           94
## 639                         0            1            0            0
## 640                         0            1            0            0
```

```
## 641                   0           1           0           0
## 642                   0           1           0           0
## 643                   0           1           0           0
## 644                   0           1           0           0
## 645                   0           1           0           0
## 646                   0           1           0           0
## 647                   0           1           0           0
## 648                   0           1           0           0
## 649                   0           1           0         768
## 650                   0           1           0           0
## 651                   0           1           0           0
## 652                   0           1           0           0
## 653                   0           1           0           0
## 654                   0           1           0         391
## 655                   0           1           0           0
## 656                   0           1           0           0
## 657                   0           1           0           0
## 658                   0           1           0           0
## 659                   0           1           0         500
## 660                   0           1           0           0
## 661                   0           1           0           0
## 662                   0           1           0           0
## 663                   0           1           0           0
## 664                   0           1           0           0
## 665                   0           1           0           0
## 666                   0           1           0         880
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## 668                   0           1           0           0
## 669                   0           1           0           0
## 670                   0           1           0           0
## 671                   0           1           0           0
## 672                   0           1           0           0
## 673                   0           1           0           0
## 674                   0           1           0           0
## 675                   0           1           0           0
## 676                   0           1           0           0
## 677                   0           1           0           0
## 678                   0           1           0           0
## 679                   0           1           0           0
## 680                   0           1           0           0
## 681                   0           1           0           0
## 682                   0           1           0           0
## 683                   0           1           0           0
## 684                   0           1           0           0
## 685                   0           1           0           0
## 686                   0           1           0           0
## 687                   0           1           0       28300
## 688                   0           1           0          94
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## 690                   0           1           0           0
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## 692                   0           1           0           0
## 693                   0           1           0           0
## 694                   0           1           0           0
```

```
## 695                          0          1          0            0
## 696                          0          1          0            0
## 697                          0          1          0         6626
## 698                          0          1          0          428
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## 709                          0          1          0            0
## 710                          0          1          0         1844
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## 712                          0          1          0          116
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## 714                          0          1          0          165
## 715                          0          1          0            0
## 716                          0          1          0         2320
## 717                          0          1          0            0
## 718                          0          1          0            0
## 719                          0          1          0            0
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## 721                          0          1          0            0
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## 725                          0          1          0            0
## 726                          0          1          0           55
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## 729                          0          1          0            0
## 730                          0          1          0          203
## 731                          0          1          0         8973
## 732                          0          1          0            0
## 733                          0          1          0            0
## 734                          0          1          0            0
## 735                          0          1          0            0
## 736                          0          1          0            0
## 737                          0          1          0            0
## 738                          0          1          0            0
## 739                          0          1          0            0
## 740                          0          1          0            0
## 741                          0          1          0            0
## 742                          0          1          0            0
## 743                          0          1          0            0
## 744                          0          1          0            0
## 745                          0          1          0            0
## 746                          0          1          0            0
## 747                          0          1          0            0
## 748                          0          1          0            0
```

```
## 749                             0          1          0          0
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## 759                             0          1          0          0
## 760                             0          1          0          0
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## 763                             0          1          0          0
## 764                             0          1          0          0
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## 767                             0          1          0          0
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## 777                             0          1          0          0
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## 779                             1          1          0        426
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## 782                             0          1          0          0
## 783                             0          1          0       1519
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## 785                             0          1          0          0
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## 788                             0          1          0          0
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## 794                             0          1          0          0
## 795                             0          1          0          0
## 796                             0          1          0          0
## 797                             0          1          0          0
## 798                             0          1          0          0
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## 801                             0          1          0          0
## 802                             0          1          0          0
```

```
## 803                    0        1        0           0
## 804                    0        1        0           0
## 805                    0        1        0           0
## 806                    0        1        0           0
## 807                    0        1        0          90
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## 809                    0        1        0           0
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## 811                    0        1        0           0
## 812                    0        1        0           0
## 813                    0        1        0           0
## 814                    0        1        0           0
## 815                    0        1        0           0
## 816                    0        1        0           0
## 817                    0        1        0           0
## 818                    0        1        0           0
## 819                    0        1        0           0
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## 821                    0        1        0        1027
## 822                    0        1        0           0
## 823                    0        1        0           0
## 824                    0        1        0           0
## 825                    0        1        0           0
## 826                    0        1        0       18467
## 827                    0        1        0           0
## 828                    0        1        0           0
## 829                    0        1        0           0
## 830                    0        1        0           0
## 831                    0        1        0           0
## 832                    0        1        0           0
## 833                    0        1        0           0
## 834                    0        1        0           0
## 835                    0        1        0           0
## 836                    0        1        0           0
## 837                    0        1        0           0
## 838                    0        1        0         201
## 839                    0        1        0           0
## 840                    0        1        0           0
## 841                    0        1        0           0
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## 843                    0        1        0           0
## 844                    0        1        0           0
## 845                    0        1        0           0
## 846                    0        1        0          80
## 847                    0        1        0           0
## 848                    0        1        0           0
## 849                    0        1        0           0
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## 851                    0        1        0          55
## 852                    0        1        0           0
## 853                    0        1        0           0
## 854                    0        1        0           0
## 855                    0        1        0           0
## 856                    0        1        0           0
```

```
## 857                          0          1          0             60
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## 870                          0          1          0           5402
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## 873                          0          1          0            320
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## 878                          0          1          0              0
## 879                          0          1          0              0
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## 897                          0          1          0              0
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## 899                          0          1          0              0
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## 906                          0          1          0             30
## 907                          0          1          0              0
## 908                          0          1          0              0
## 909                          0          1          0              0
## 910                          0          1          0              0
```

```
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## 913                         0          1           0           0
## 914                         0          1           0           0
## 915                         0          1           0           0
## 916                         0          1           0        2758
## 917                         0          1           0           0
## 918                         0          1           0         203
## 919                         0          1           0           0
## 920                         0          1           0           0
## 921                         0          1           0           0
## 922                         0          1           0        2602
## 923                         0          1           0           0
## 924                         0          1           0          76
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## 927                         0          1           0           0
## 928                         0          1           0           0
## 929                         0          1           0           0
## 930                         0          1           0           0
## 931                         0          1           0           0
## 932                         0          1           0           0
## 933                         0          1           0           0
## 934                         0          1           0           0
## 935                         0          1           0           0
## 936                         0          1           0          49
## 937                         0          1           0         117
## 938                         0          1           0        1037
## 939                         0          1           0           0
## 940                         0          1           0           0
## 941                         0          1           0           0
## 942                         0          1           0       21588
## 943                         0          1           0           0
## 944                         0          1           0        1133
## 945                         0          1           0           0
## 946                         0          1           0           0
## 947                         0          1           0           0
## 948                         0          1           0           0
## 949                         0          1           0           0
## 950                         0          1           0           0
## 951                         0          1           0           0
## 952                         0          1           0           0
## 953                         0          1           0           0
## 954                         0          1           0           0
## 955                         0          1           0           0
## 956                         0          1           0           0
## 957                         0          1           0           0
## 958                         0          1           0           0
## 959                         0          1           0           0
## 960                         0          1           0           0
## 961                         0          1           0           0
## 962                         0          1           0           0
## 963                         0          1           0           0
## 964                         1          1           0         220
```

```
## 965                            2          1          0       2691
## 966                            0          1          0          0
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## 968                            0          1          0          0
## 969                            0          1          0          0
## 970                            0          1          0          0
## 971                            0          1          0          0
## 972                            0          1          0        239
## 973                            0          1          0          0
## 974                            0          1          0          0
## 975                            0          1          0          0
## 976                            0          1          0          0
## 977                            0          1          0       1783
## 978                            0          1          0          0
## 979                            0          1          0          0
## 980                            0          1          0       3969
## 981                            0          1          0          0
## 982                            0          1          0          0
## 983                            0          1          0          0
## 984                            0          1          0          0
## 985                            0          1          0          0
## 986                            0          1          0          0
## 987                            0          1          0        741
## 988                            0          1          0          0
## 989                            0          1          0          0
## 990                            0          1          0          0
## 991                            0          1          0          0
## 992                            0          1          0          0
## 993                            0          1          0          0
## 994                            0          1          0          0
## 995                            0          1          0          0
## 996                            0          1          0          0
## 997                            0          1          0          0
## 998                            0          1          0          0
## 999                            0          1          0          0
## 1000                           0          1          0          0
## 1001                           0          1          0          0
## 1002                           0          1          0          0
## 1003                           0          1          0          0
## 1004                           0          1          0          0
## 1005                           0          1          0          0
## 1006                           0          1          0          0
## 1007                           0          1          0          0
## 1008                           0          1          0         50
## 1009                           0          1          0          0
## 1010                           0          1          0          0
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## 1013                           0          1          0          0
## 1014                           0          1          0          0
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## 1016                           0          1          0          0
## 1017                           0          1          0          0
## 1018                           0          1          0        473
```

```
## 1019                            0            1            0            0
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## 1023                            0            1            0            0
## 1024                            0            1            0            0
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## 1026                            0            1            0            0
## 1027                            0            1            0            0
## 1028                            0            1            0            0
## 1029                            0            1            0            0
## 1030                            0            1            0            0
## 1031                            0            1            0            0
## 1032                            0            1            0            0
## 1033                            0            1            0          140
## 1034                            0            1            0            0
## 1035                            0            1            0            0
## 1036                            0            1            0            0
## 1037                            0            1            0            0
## 1038                            0            1            0            0
## 1039                            0            1            0            0
## 1040                            0            1            0            0
## 1041                            0            1            0            0
## 1042                            1            1            0            0
## 1043                            0            1            0            0
## 1044                            0            1            0            0
## 1045                            0            1            0            0
## 1046                            0            1            0            0
## 1047                            0            1            0            0
## 1048                            0            1            0            0
## 1049                            0            1            0            0
## 1050                            0            1            0         1169
## 1051                            0            1            0            0
## 1052                            0            1            0            0
## 1053                            0            1            0            0
## 1054                            0            1            0         2561
## 1055                            0            1            0          193
## 1056                            0            1            0            0
## 1057                            0            1            0            0
## 1058                            0            1            0            0
## 1059                            0            1            0            0
## 1060                            0            1            0         1777
## 1061                            0            1            0          326
## 1062                            0            1            0            0
## 1063                            0            1            0            0
## 1064                            0            1            0            0
## 1065                            0            1            0           99
## 1066                            0            1            0            0
## 1067                            0            1            0            0
## 1068                            1            1            0          201
## 1069                            0            1            0            0
## 1070                            0            1            0            0
## 1071                            0            1            0         1118
## 1072                            0            1            0            0
```

199

```
## 1073                      0              1              0              0
## 1074                      1              1              0              0
## 1075                      0              1              0            378
## 1076                      0              1              0              0
## 1077                      0              1              0              0
## 1078                      0              1              0              0
## 1079                      0              1              0              0
## 1080                      1              1              0              0
## 1081                      0              1              0            309
## 1082                      0              1              0              0
## 1083                      0              1              0              0
## 1084                      0              1              0              0
## 1085                      0              1              0            357
## 1086                      0              1              0            450
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## 1088                      0              1              0              0
## 1089                      0              1              0              0
## 1090                      0              1              0             66
## 1091                      0              1              0              0
## 1092                      0              1              0              0
## 1093                      0              1              0              0
## 1094                      0              1              0              0
## 1095                      0              1              0              0
## 1096                      0              1              0              0
## 1097                      0              1              0              0
## 1098                      0              1              0              0
## 1099                      0              1              0              0
## 1100                      0              1              0              0
## 1101                      0              1              0           2764
## 1102                      0              1              0              0
## 1103                      0              1              0              0
## 1104                      0              1              0              0
## 1105                      0              1              0             52
## 1106                      0              1              0            122
## 1107                      0              1              0              0
## 1108                      0              1              0              0
## 1109                      0              1              0              0
## 1110                      0              1              0           1308
## 1111                      0              1              0              0
## 1112                      0              1              0              0
## 1113                      0              1              0              0
## 1114                      0              1              0              0
## 1115                      0              1              0             55
## 1116                      0              1              0              0
## 1117                      0              1              0            121
## 1118                      0              1              0              0
## 1119                      0              1              0              0
## 1120                      0              1              0              0
## 1121                      0              1              0             53
## 1122                      0              1              0            213
## 1123                      0              1              0              0
## 1124                      0              1              0              0
## 1125                      0              1              0             75
## 1126                      0              1              0            239
```

```
## 1127                            0         1            0            0
## 1128                            0         1            0            0
## 1129                            0         1            0            0
## 1130                            0         1            0            0
## 1131                            0         1            0            0
## 1132                            0         1            0            0
## 1133                            0         1            0          100
## 1134                            0         1            0            0
## 1135                            0         1            0          977
## 1136                            0         1            0          133
## 1137                            0         1            0            0
## 1138                            0         1            0            0
## 1139                            0         1            0            0
## 1140                            0         1            0            0
## 1141                            0         1            0            0
## 1142                            0         1            0            0
## 1143                            0         1            0            0
## 1144                            0         1            0            0
## 1145                            1         1            0            0
## 1146                            0         1            0            0
## 1147                            0         1            0            0
## 1148                            0         1            0            0
## 1149                            0         1            0            0
## 1150                            0         1            0          212
## 1151                            0         1            0            0
## 1152                            0         1            0            0
## 1153                            0         1            0            0
## 1154                            0         1            0            0
## 1155                            0         1            0            0
## 1156                            0         1            0           36
## 1157                            0         1            0            0
## 1158                            0         1            0            0
## 1159                            0         1            0            0
## 1160                            0         1            0            0
## 1161                            0         1            0            0
## 1162                            0         1            0          254
## 1163                            0         1            0            0
## 1164                            0         1            0            0
## 1165                            0         1            0            0
## 1166                            0         1            0            0
## 1167                            0         1            0            0
## 1168                            0         1            0            0
## 1169                            0         1            0            0
## 1170                            0         1            0            0
## 1171                            0         1            0            0
## 1172                            0         1            0            0
## 1173                            0         1            0            0
## 1174                            0         1            0            0
## 1175                            0         1            0            0
## 1176                            0         1            0            0
## 1177                            0         1            0            0
## 1178                            0         1            0            0
## 1179                            0         1            0            0
## 1180                            0         1            0            0
```

```
## 1181                          0            1            0              0
## 1182                          0            1            0              0
## 1183                          0            1            0              0
## 1184                          0            1            0            188
## 1185                          0            1            0              0
## 1186                          0            1            0              0
## 1187                          0            1            0              0
## 1188                          0            1            0              0
## 1189                          0            1            0              0
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## 1191                          0            1            0            224
## 1192                          0            1            0              0
## 1193                          0            1            0            532
## 1194                          0            1            0              0
## 1195                          0            1            0              0
## 1196                          0            1            0              0
## 1197                          0            1            0              0
## 1198                          0            1            0              0
## 1199                          0            1            0              0
## 1200                          0            1            0            150
## 1201                          0            1            0             62
## 1202                          0            1            0              0
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## 1204                          0            1            0            117
## 1205                          0            1            0              0
## 1206                          0            1            0              0
## 1207                          0            1            0              0
## 1208                          0            1            0           9726
## 1209                          0            1            0              0
## 1210                          0            1            0              0
## 1211                          0            1            0              0
## 1212                          0            1            0              0
## 1213                          0            1            0              0
## 1214                          0            1            0              0
## 1215                          0            1            0              0
## 1216                          0            1            0              0
## 1217                          0            1            0              0
## 1218                          0            1            0              0
## 1219                          0            1            0              0
## 1220                          0            1            0              0
## 1221                          0            1            0           4186
## 1222                          0            1            0              0
## 1223                          0            1            0              0
## 1224                          0            1            0              0
## 1225                          0            1            0              0
## 1226                          0            1            0              0
## 1227                          0            1            0              0
## 1228                          0            1            0              0
## 1229                          0            1            0              0
## 1230                          0            1            0            137
## 1231                          0            1            0              0
## 1232                          0            1            0              0
## 1233                          0            1            0           2164
## 1234                          0            1            0              0
```

```
## 1235                        0           1           0           0
## 1236                        0           1           0         391
## 1237                        0           1           0           0
## 1238                        0           1           0        1067
## 1239                        0           1           0           0
## 1240                        0           1           0           0
## 1241                        0           1           0           0
## 1242                        0           1           0           0
## 1243                        0           1           0         140
## 1244                        0           1           0           0
## 1245                        0           1           0           0
## 1246                        0           1           0         564
## 1247                        0           1           0           0
## 1248                        0           1           0        4092
## 1249                        0           1           0           0
## 1250                        0           1           0         399
## 1251                        0           1           0           0
## 1252                        0           1           0           0
## 1253                        0           1           0           0
## 1254                        1           1           0         456
## 1255                        0           1           0          71
## 1256                        0           1           0           0
## 1257                        0           1           0           0
## 1258                        0           1           0           0
## 1259                        0           1           0           0
## 1260                        0           1           0           0
## 1261                        0           1           0          97
## 1262                        0           1           0           0
## 1263                        0           1           0           0
## 1264                        0           1           0           0
## 1265                        0           1           0           0
## 1266                        0           1           0         203
## 1267                        0           1           0           0
## 1268                        0           1           0           0
## 1269                        0           1           0           0
## 1270                        0           1           0           0
## 1271                        0           1           0           0
## 1272                        0           1           0           0
## 1273                        0           1           0          99
## 1274                        0           1           0          84
## 1275                        0           1           0           0
## 1276                        0           1           0           0
## 1277                        0           1           0           0
## 1278                        0           1           0           0
## 1279                        0           1           0           0
## 1280                        0           1           0           0
## 1281                        0           1           0           0
## 1282                        0           1           0           0
## 1283                        0           1           0         174
## 1284                        0           1           0           0
## 1285                        0           1           0           0
## 1286                        0           1           0           0
## 1287                        0           1           0           0
## 1288                        0           1           0           0
```

```
## 1289                          0        1        0            0
## 1290                          0        1        0            0
## 1291                          0        1        0            0
## 1292                          0        1        0            0
## 1293                          0        1        0            0
## 1294                          0        1        0            0
## 1295                          0        1        0            0
## 1296                          0        1        0            0
## 1297                          0        1        0          564
## 1298                          0        1        0        17151
## 1299                          0        1        0            0
## 1300                          0        1        0            0
## 1301                          0        1        0            0
## 1302                          0        1        0           70
## 1303                          0        1        0            0
## 1304                          0        1        0            0
## 1305                          0        1        0            0
## 1306                          0        1        0           64
## 1307                          0        1        0            0
## 1308                          0        1        0            0
## 1309                          0        1        0            0
## 1310                          0        1        0            0
## 1311                          0        1        0            0
## 1312                          0        1        0            0
## 1313                          0        1        0         1013
## 1314                          0        1        0            0
## 1315                          0        1        0            0
## 1316                          0        1        0            0
## 1317                          0        1        0            0
## 1318                          0        1        0          885
## 1319                          0        1        0            0
## 1320                          0        1        0            0
## 1321                          0        1        0            0
## 1322                          0        1        0            0
## 1323                          0        1        0            0
## 1324                          0        1        0            0
## 1325                          0        1        0            0
## 1326                          0        1        0            0
## 1327                          0        1        0            0
## 1328                          0        1        0            0
## 1329                          0        1        0            0
## 1330                          0        1        0            0
## 1331                          0        1        0            0
## 1332                          0        1        0          557
## 1333                          0        1        0            0
## 1334                          0        1        0            0
## 1335                          0        1        0            0
## 1336                          0        1        0            0
## 1337                          0        1        0            0
## 1338                          0        1        0            0
## 1339                          0        1        0            0
## 1340                          0        1        0            0
## 1341                          0        1        0            0
## 1342                          0        1        0            0
```

```
## 1343                       0              1              0              0
## 1344                       0              1              0              0
## 1345                       0              1              0              0
## 1346                       0              1              0              0
## 1347                       0              1              0              0
## 1348                       0              1              0              0
## 1349                       0              1              0              0
## 1350                       0              1              0              0
## 1351                       0              1              0              0
## 1352                       0              1              0              0
## 1353                       0              1              0              0
## 1354                       0              1              0            875
## 1355                       0              1              0              0
## 1356                       0              1              0              0
## 1357                       0              1              0              0
## 1358                       0              1              0              0
## 1359                       0              1              0              0
## 1360                       0              1              0              0
## 1361                       0              1              0              0
## 1362                       0              1              0              0
## 1363                       0              1              0              0
## 1364                       0              1              0              0
## 1365                       0              1              0              0
## 1366                       0              1              0              0
## 1367                       0              1              0            682
## 1368                       0              1              0            129
## 1369                       0              1              0              0
## 1370                       0              1              0              0
## 1371                       0              1              0              0
## 1372                       0              1              0              0
## 1373                       0              1              0              0
## 1374                       0              1              0              0
## 1375                       0              1              0              0
## 1376                       0              1              0              0
## 1377                       0              1              0              0
## 1378                       0              1              0              0
## 1379                       0              1              0              0
## 1380                       0              1              0              0
## 1381                       0              1              0              0
## 1382                       0              1              0              0
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## 1384                       0              1              0              0
## 1385                       0              1              0              0
## 1386                       0              1              0              0
## 1387                       0              1              0              0
## 1388                       0              1              0              0
## 1389                       0              1              0              0
## 1390                       0              1              0              0
## 1391                       0              1              0              0
## 1392                       0              1              0              0
## 1393                       0              1              0              0
## 1394                       0              1              0              0
## 1395                       0              1              0              0
## 1396                       0              1              0              0
```

```
## 1397                      0              1              0           2632
## 1398                      0              1              0              0
## 1399                      0              1              0              0
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## 1401                      0              1              0            103
## 1402                      0              1              0            125
## 1403                      0              1              0           1084
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## 1406                      0              1              0              0
## 1407                      0              1              0              0
## 1408                      0              1              0              0
## 1409                      0              1              0              0
## 1410                      0              1              0              0
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## 1419                      0              1              0              0
## 1420                      0              1              0              0
## 1421                      0              1              0              0
## 1422                      0              1              0             77
## 1423                      0              1              0              0
## 1424                      0              1              0              0
## 1425                      0              1              0              0
## 1426                      0              1              0              0
## 1427                      0              1              0              0
## 1428                      0              1              0              0
## 1429                      0              1              0              0
## 1430                      0              1              0            222
## 1431                      0              1              0              0
## 1432                      1              1              0            506
## 1433                      0              1              0              0
## 1434                      0              1              0              0
## 1435                      0              1              0              0
## 1436                      0              1              0              0
## 1437                      0              1              0              0
## 1438                      0              1              0              0
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## 1440                      0              1              0              0
## 1441                      0              1              0              0
## 1442                      0              1              0              0
## 1443                      0              1              0              0
## 1444                      0              1              1              0
## 1445                      0              1              0              0
## 1446                      0              1              0              0
## 1447                      0              1              0              0
## 1448                      0              1              0             82
## 1449                      0              1              0              0
## 1450                      0              1              0              0
```

```
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## 1455                         0            1            0         5666
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## 1457                         0            1            0            0
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## 1461                         0            1            0            0
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## 1463                         0            1            0            0
## 1464                         0            1            0          440
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## 1467                         0            1            0            0
## 1468                         0            1            0            0
## 1469                         0            1            0            0
## 1470                         0            1            0            0
## 1471                         0            1            0          178
## 1472                         0            1            0         1247
## 1473                         0            1            0            0
## 1474                         0            1            0            0
## 1475                         0            1            0            0
## 1476                         0            1            0            0
## 1477                         0            1            0            0
## 1478                         0            1            0          655
## 1479                         0            1            0            0
## 1480                         0            1            0            0
## 1481                         0            1            0            0
## 1482                         0            1            0          171
## 1483                         0            1            0         4433
## 1484                         0            1            0            0
## 1485                         0            1            0            0
## 1486                         0            1            0            0
## 1487                         0            1            0          100
## 1488                         0            1            0            0
## 1489                         0            1            0            0
## 1490                         0            1            0            0
## 1491                         0            1            0           89
## 1492                         0            1            0            0
## 1493                         0            1            0            0
## 1494                         0            1            0            0
## 1495                         0            1            0            0
## 1496                         0            1            0            0
## 1497                         0            1            0            0
## 1498                         0            1            0            0
## 1499                         0            1            0            0
## 1500                         0            1            0            0
## 1501                         2            1            0          265
## 1502                         0            1            0            0
## 1503                         0            1            0            0
## 1504                         0            1            0            0
```

```
## 1505                          0          1          0          0
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## 1508                          0          1          0          0
## 1509                          0          1          0       7108
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## 1513                          0          1          0          0
## 1514                          0          1          0          0
## 1515                          0          1          0        204
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## 1517                          0          1          0          0
## 1518                          0          1          0          0
## 1519                          0          1          0          0
## 1520                          0          1          0          0
## 1521                          0          1          0          0
## 1522                          0          1          0          0
## 1523                          0          1          0          0
## 1524                          0          1          0          0
## 1525                          0          1          0          0
## 1526                          0          1          0          0
## 1527                          0          1          0          0
## 1528                          0          1          0        467
## 1529                          0          1          0        272
## 1530                          0          1          0          0
## 1531                          0          1          0          0
## 1532                          0          1          0          0
## 1533                          0          1          0         56
## 1534                          0          1          0        476
## 1535                          0          1          0        710
## 1536                          0          1          0          0
## 1537                          0          1          0          0
## 1538                          0          1          0          0
## 1539                          0          1          0          0
## 1540                          0          1          0          0
## 1541                          0          1          0          0
## 1542                          0          1          0          0
## 1543                          0          1          0          0
## 1544                          0          1          0          0
## 1545                          0          1          0          0
## 1546                          0          1          0          0
## 1547                          0          1          0          0
## 1548                          0          1          0        254
## 1549                          0          1          0         73
## 1550                          0          1          0          0
## 1551                          0          1          0          0
## 1552                          0          1          0          0
## 1553                          0          1          0          0
## 1554                          0          1          0          0
## 1555                          0          1          0          0
## 1556                          0          1          0          0
## 1557                          0          1          0          0
## 1558                          0          1          0          0
```

```
## 1559                          0          1          0         253
## 1560                          0          1          0           0
## 1561                          0          1          0           0
## 1562                          0          1          0           0
## 1563                          0          1          0           0
## 1564                          0          1          0           0
## 1565                          0          1          0           0
## 1566                          0          1          0           0
## 1567                          0          1          0           0
## 1568                          0          1          0          60
## 1569                          0          1          0           0
## 1570                          0          1          0           0
## 1571                          0          1          0           0
## 1572                          0          1          0           0
## 1573                          0          1          0           0
## 1574                          0          1          0           0
## 1575                          0          1          0           0
## 1576                          0          1          0         720
## 1577                          0          1          0           0
## 1578                          0          1          0           0
## 1579                          0          1          0           0
## 1580                          0          1          0           0
## 1581                          0          1          0           0
## 1582                          0          1          0        8894
## 1583                          0          1          0           0
## 1584                          0          1          0         539
## 1585                          0          1          0           0
## 1586                          0          1          0           0
## 1587                          0          1          0           0
## 1588                          0          1          0           0
## 1589                          0          1          0           0
## 1590                          0          1          0           0
## 1591                          0          1          0         152
## 1592                          0          1          0           0
## 1593                          0          1          0           0
## 1594                          0          1          0           0
## 1595                          0          1          0           0
## 1596                          0          1          0           0
## 1597                          0          1          0           0
## 1598                          0          1          0           0
## 1599                          0          1          0           0
## 1600                          0          1          0           0
## 1601                          0          1          0           0
## 1602                          0          1          0           0
## 1603                          0          1          0           0
## 1604                          0          1          0           0
## 1605                          0          1          0           0
## 1606                          0          1          0           0
## 1607                          0          1          0           0
## 1608                          0          1          0           0
## 1609                          0          1          0         180
## 1610                          0          1          0           0
## 1611                          0          1          0           0
## 1612                          0          1          0           0
```

```
## 1613                          0            1            0            0
## 1614                          0            1            0            0
## 1615                          0            1            0            0
## 1616                          0            1            0            0
## 1617                          0            1            0            0
## 1618                          0            1            0          108
## 1619                          0            1            0            0
## 1620                          0            1            0            0
## 1621                          0            1            0            0
## 1622                          0            1            0            0
## 1623                          0            1            0            0
## 1624                          0            1            0            0
## 1625                          0            1            0            0
## 1626                          0            1            0            0
## 1627                          0            1            0            0
## 1628                          0            1            0            0
## 1629                          0            1            0            0
## 1630                          0            1            0            0
## 1631                          0            1            0            0
## 1632                          0            1            0            0
## 1633                          0            1            0            0
## 1634                          0            1            0            0
## 1635                          0            1            0            0
## 1636                          0            1            0            0
## 1637                          0            1            0            0
## 1638                          0            1            0            0
## 1639                          0            1            0            0
## 1640                          0            1            0            0
## 1641                          0            1            0            0
## 1642                          0            1            0            0
## 1643                          0            1            0            0
## 1644                          0            1            0            0
## 1645                          0            1            0            0
## 1646                          0            1            0            0
## 1647                          1            1            0        17711
## 1648                          0            1            0            0
## 1649                          0            1            0            0
## 1650                          0            1            0            0
## 1651                          0            1            0            0
## 1652                          0            1            0            0
## 1653                          0            1            0            0
## 1654                          0            1            0            0
## 1655                          0            1            0            0
## 1656                          0            1            0            0
## 1657                          0            1            0            0
## 1658                          0            1            0            0
## 1659                          0            1            0            0
## 1660                          0            1            0            0
## 1661                          0            1            0            0
## 1662                          0            1            0            0
## 1663                          0            1            0            0
## 1664                          0            1            0            0
## 1665                          0            1            0            0
## 1666                          0            1            0            0
```

## 1667	0	1	0	0
## 1668	0	1	0	0
## 1669	0	1	0	0
## 1670	0	1	0	0
## 1671	0	1	0	0
## 1672	0	1	0	2887
## 1673	0	1	0	0
## 1674	0	1	0	0
## 1675	0	1	0	0
## 1676	0	1	0	0
## 1677	0	1	0	586
## 1678	0	1	0	0
## 1679	0	1	0	0
## 1680	0	1	0	0
## 1681	0	1	0	0
## 1682	0	1	0	0
## 1683	0	1	0	0
## 1684	0	1	0	0
## 1685	0	1	0	0
## 1686	0	1	0	0
## 1687	0	1	0	6272
## 1688	0	1	0	0
## 1689	0	1	0	153
## 1690	0	1	0	0
## 1691	0	1	0	0
## 1692	0	1	0	0
## 1693	0	1	0	0
## 1694	0	1	0	0
## 1695	0	1	0	0
## 1696	0	1	0	0
## 1697	0	1	0	0
## 1698	0	1	0	0
## 1699	0	1	0	0
## 1700	0	1	0	0
## 1701	0	1	0	0
## 1702	0	1	0	0
## 1703	0	1	0	0
## 1704	0	1	0	0
## 1705	0	1	0	0
## 1706	0	1	0	0
## 1707	0	1	0	0
## 1708	0	1	0	0
## 1709	0	1	0	516
## 1710	0	1	0	0
## 1711	0	1	0	0
## 1712	0	1	0	0
## 1713	0	1	0	0
## 1714	0	1	0	0
## 1715	0	1	0	0
## 1716	0	1	0	0
## 1717	0	1	0	0
## 1718	0	1	0	0
## 1719	0	1	0	0
## 1720	0	1	0	0

```
## 1721                          0          1          0          0
## 1722                          0          1          0          0
## 1723                          0          1          0          0
## 1724                          0          1          0          0
## 1725                          0          1          0          0
## 1726                          0          1          0          0
## 1727                          0          1          0          0
## 1728                          0          1          0          0
## 1729                          0          1          0          0
## 1730                          0          1          0          0
## 1731                          0          1          0          0
## 1732                          0          1          0          0
## 1733                          0          1          0          0
## 1734                          0          1          0          0
## 1735                          0          1          0          0
## 1736                          0          1          0          0
## 1737                          0          1          0          0
## 1738                          0          1          0          0
## 1739                          0          1          0          0
## 1740                          0          1          0          0
## 1741                          0          1          0          0
## 1742                          1          1          0         82
## 1743                          0          1          1          0
## 1744                          0          1          0         75
## 1745                          0          1          0          0
## 1746                          0          1          0          0
## 1747                          0          1          0          0
## 1748                          0          1          0          0
## 1749                          0          1          0          0
## 1750                          0          1          0          0
## 1751                          0          1          0          0
## 1752                          0          1          0          0
## 1753                          0          1          0        275
## 1754                          0          1          0          0
## 1755                          0          1          0          0
## 1756                          0          1          0          0
## 1757                          1          1          0          0
## 1758                          0          1          0          0
## 1759                          0          1          0          0
## 1760                          0          1          0          0
## 1761                          0          1          0          0
## 1762                          0          1          0          0
## 1763                          1          1          0          0
## 1764                          0          1          0          0
## 1765                          0          1          0          0
## 1766                          0          1          0          0
## 1767                          0          1          0          0
## 1768                          0          1          0          0
## 1769                          0          1          0          0
## 1770                          0          1          0          0
## 1771                          0          1          0          0
## 1772                          0          1          0          0
## 1773                          0          1          0          0
## 1774                          0          1          0        384
```

```
## 1775                           0            1            0        27624
## 1776                           0            1            0            0
## 1777                           0            1            0            0
## 1778                           0            1            0           72
## 1779                           0            1            0            0
## 1780                           0            1            0            0
## 1781                           0            1            0            0
## 1782                           0            1            0            0
## 1783                           0            1            0            0
## 1784                           0            1            0            0
## 1785                           0            1            0            0
## 1786                           0            1            0            0
## 1787                           0            1            0            0
## 1788                           0            1            0            0
## 1789                           0            1            0          168
## 1790                           0            1            0            0
## 1791                           0            1            0          275
## 1792                           0            1            0            0
## 1793                           0            1            0            0
## 1794                           0            1            0            0
## 1795                           0            1            0            0
## 1796                           0            1            0            0
## 1797                           0            1            0            0
## 1798                           0            1            0            0
## 1799                           0            1            0            0
## 1800                           0            1            0            0
## 1801                           0            1            0            0
## 1802                           0            1            0            0
## 1803                           0            1            0            0
## 1804                           0            1            0            0
## 1805                           0            1            0            0
## 1806                           0            1            0            0
## 1807                           0            1            0            0
## 1808                           0            1            0            0
## 1809                           0            1            0          133
## 1810                           0            1            0            0
## 1811                           0            1            0          448
## 1812                           0            1            0            0
## 1813                           0            1            0            0
## 1814                           0            1            0            0
## 1815                           0            1            0            0
## 1816                           0            1            0            0
## 1817                           0            1            0            0
## 1818                           0            1            0            0
## 1819                           0            1            0            0
## 1820                           0            1            0            0
## 1821                           0            1            0            0
## 1822                           0            1            0            0
## 1823                           0            1            0            0
## 1824                           0            1            0            0
## 1825                           0            1            0            0
## 1826                           0            1            0            0
## 1827                           0            1            0            0
## 1828                           0            1            0            0
```

```
## 1829                         0          1          0          0
## 1830                         0          1          0          0
## 1831                         0          1          0          0
## 1832                         0          1          0          0
## 1833                         0          1          0          0
## 1834                         0          1          0          0
## 1835                         0          1          0          0
## 1836                         0          1          0          0
## 1837                         0          1          0          0
## 1838                         0          1          0          0
## 1839                         0          1          0          0
## 1840                         0          1          0       1302
## 1841                         0          1          0          0
## 1842                         0          1          0          0
## 1843                         0          1          0          0
## 1844                         0          1          0          0
## 1845                         0          1          0          0
## 1846                         0          1          0          0
## 1847                         0          1          0          0
## 1848                         0          1          0          0
## 1849                         0          1          0          0
## 1850                         0          1          0          0
## 1851                         0          1          0          0
## 1852                         0          1          0          0
## 1853                         0          1          0          0
## 1854                         0          1          0          0
## 1855                         0          1          0         65
## 1856                         0          1          0          0
## 1857                         0          1          0          0
## 1858                         0          1          0         30
## 1859                         0          1          0        226
## 1860                         0          1          0          0
## 1861                         0          1          0          0
## 1862                         0          1          0          0
## 1863                         0          1          0          0
## 1864                         0          1          0          0
## 1865                         0          1          0          0
## 1866                         0          1          0          0
## 1867                         0          1          0          0
## 1868                         0          1          0          0
## 1869                         0          1          0          0
## 1870                         0          1          0          0
## 1871                         0          1          0          0
## 1872                         0          1          0          0
## 1873                         0          1          0          0
## 1874                         0          1          0        268
## 1875                         0          1          0          0
## 1876                         0          1          0          0
## 1877                         0          1          0          0
## 1878                         0          1          0          0
## 1879                         0          1          0         54
## 1880                         0          1          0          0
## 1881                         0          1          0          0
## 1882                         0          1          0          0
```

```
## 1883                          0             1             0             0
## 1884                          0             1             0             0
## 1885                          0             1             0             0
## 1886                          0             1             0             0
## 1887                          0             1             0           277
## 1888                          0             1             0             0
## 1889                          0             1             0             0
## 1890                          0             1             0             0
## 1891                          0             1             0             0
## 1892                          0             1             0             0
## 1893                          0             1             0          6333
## 1894                          0             1             0            75
## 1895                          0             1             0             0
## 1896                          0             1             0            51
## 1897                          0             1             0             0
## 1898                          0             1             0          4857
## 1899                          0             1             0             0
## 1900                          0             1             0             0
## 1901                          0             1             0             0
## 1902                          0             1             0             0
## 1903                          0             1             0             0
## 1904                          0             1             0             0
## 1905                          0             1             0             0
## 1906                          0             1             0           761
## 1907                          0             1             0             0
## 1908                          0             1             0             0
## 1909                          0             1             0             0
## 1910                          0             1             0             0
## 1911                          0             1             0             0
## 1912                          0             1             0             0
## 1913                          0             1             0           343
## 1914                          0             1             0             0
## 1915                          0             1             0             0
## 1916                          0             1             0             0
## 1917                          0             1             0             0
## 1918                          0             1             0           262
## 1919                          0             1             0             0
## 1920                          0             1             0           241
## 1921                          0             1             0             0
## 1922                          0             1             0            60
## 1923                          0             1             0             0
## 1924                          0             1             0             0
## 1925                          0             1             0             0
## 1926                          0             1             0             0
## 1927                          0             1             0             0
## 1928                          0             1             0             0
## 1929                          0             1             0           110
## 1930                          0             1             0           261
## 1931                          0             1             0             0
## 1932                          0             1             0             0
## 1933                          0             1             0             0
## 1934                          0             1             0             0
## 1935                          0             1             0             0
## 1936                          0             1             0           508
```

```
## 1937                          0          1          0          147
## 1938                          0          1          0            0
## 1939                          0          1          0            0
## 1940                          0          1          0            0
## 1941                          0          1          0            0
## 1942                          0          1          0            0
## 1943                          0          1          0            0
## 1944                          0          1          0            0
## 1945                          0          1          0            0
## 1946                          0          1          0            0
## 1947                          0          1          0            0
## 1948                          0          1          0            0
## 1949                          0          1          0            0
## 1950                          0          1          0            0
## 1951                          0          1          0            0
## 1952                          0          1          0          160
## 1953                          0          1          0            0
## 1954                          0          1          0            0
## 1955                          0          1          0            0
## 1956                          0          1          0            0
## 1957                          0          1          0            0
## 1958                          0          1          0            0
## 1959                          0          1          0            0
## 1960                          0          1          0         1350
## 1961                          0          1          0          400
## 1962                          0          1          0            0
## 1963                          0          1          0            0
## 1964                          0          1          0            0
## 1965                          0          1          0         1495
## 1966                          0          1          0            0
## 1967                          0          1          0            0
## 1968                          0          1          0            0
## 1969                          0          1          0            0
## 1970                          0          1          0            0
## 1971                          0          1          0            0
## 1972                          0          1          0            0
## 1973                          0          1          0            0
## 1974                          0          1          0            0
## 1975                          0          1          0            0
## 1976                          0          1          0            0
## 1977                          0          1          0            0
## 1978                          0          1          0            0
## 1979                          0          1          0            0
## 1980                          0          1          0          556
## 1981                          0          1          0            0
## 1982                          0          1          0            0
## 1983                          0          1          0            0
## 1984                          0          1          0            0
## 1985                          0          1          0            0
## 1986                          0          1          0            0
## 1987                          0          1          0            0
## 1988                          0          1          0            0
## 1989                          0          1          0            0
## 1990                          0          1          0            0
```

```
## 1991                         0            1            0            0
## 1992                         0            1            0            0
## 1993                         0            1            0            0
## 1994                         0            1            0          157
## 1995                         0            1            0            0
## 1996                         0            1            0         4703
## 1997                         0            1            0            0
## 1998                         0            1            0            0
## 1999                         0            1            0            0
## 2000                         0            1            0            0
## 2001                         0            1            0            0
## 2002                         0            1            0          426
## 2003                         0            1            0            0
## 2004                         0            1            0            0
## 2005                         0            1            0            0
## 2006                         0            1            0            0
## 2007                         0            1            0            0
## 2008                         0            1            0            0
## 2009                         0            1            0            0
## 2010                         0            1            0            0
## 2011                         0            1            0            0
## 2012                         0            1            0            0
## 2013                         0            1            0           82
## 2014                         0            1            0            0
## 2015                         0            1            0            0
## 2016                         0            1            0            0
## 2017                         0            1            0            0
## 2018                         0            1            0            0
## 2019                         0            1            0          794
## 2020                         0            1            0            0
## 2021                         0            1            0            0
## 2022                         0            1            0            0
## 2023                         0            1            0            0
## 2024                         0            1            0            0
## 2025                         0            1            0            0
## 2026                         0            1            0           86
## 2027                         0            1            0            0
## 2028                         0            1            0            0
## 2029                         0            1            1            0
## 2030                         1            1            0            0
## 2031                         1            1            0            0
## 2032                         1            1            0            0
## 2033                         0            1            0          172
## 2034                         0            1            0            0
## 2035                         0            1            0            0
## 2036                         0            1            0         2986
## 2037                         0            1            0            0
## 2038                         0            1            0            0
## 2039                         0            1            0            0
## 2040                         0            1            0            0
## 2041                         0            1            0          318
## 2042                         0            1            0            0
## 2043                         0            1            0            0
## 2044                         0            1            0            0
```

```
## 2045                    0              1              0              0
## 2046                    0              1              0              0
## 2047                    0              1              0              0
## 2048                    0              1              0              0
## 2049                    0              1              0              0
## 2050                    0              1              0              0
## 2051                    0              1              0              0
## 2052                    0              1              0              0
## 2053                    0              1              0              0
## 2054                    0              1              0              0
## 2055                    0              1              0              0
## 2056                    0              1              0              0
## 2057                    0              1              0              0
## 2058                    1              1              0            290
## 2059                    0              1              0              0
## 2060                    0              1              0             55
## 2061                    0              1              0              0
## 2062                    0              1              0              0
## 2063                    0              1              0              0
## 2064                    0              1              0              0
## 2065                    0              1              0              0
## 2066                    0              1              0           1695
## 2067                    0              1              0            200
## 2068                    0              1              0              0
## 2069                    0              1              0              0
## 2070                    0              1              0              0
## 2071                    0              1              0              0
## 2072                    0              1              0              0
## 2073                    0              1              0              0
## 2074                    0              1              0              0
## 2075                    0              1              0              0
## 2076                    0              1              1              0
## 2077                    0              1              1              0
## 2078                    0              1              0              0
## 2079                    0              1              0              0
## 2080                    0              1              0           4746
## 2081                    0              1              0            121
## 2082                    0              1              0          18899
## 2083                    0              1              0            330
## 2084                    0              1              0           2085
## 2085                    0              1              0              0
## 2086                    0              1              0              0
## 2087                    0              1              0              0
## 2088                    0              1              0              0
## 2089                    0              1              0              0
## 2090                    0              1              0              0
## 2091                    0              1              0              0
## 2092                    0              1              0              0
## 2093                    0              1              0              0
## 2094                    0              1              0              0
## 2095                    0              1              0              0
## 2096                    0              1              0              0
## 2097                    0              1              0              0
## 2098                    0              1              0              0
```

```
## 2099                                  0              1              0              0
## 2100                                  0              1              0              0
## 2101                                  0              1              0              0
## 2102                                  0              1              0              0
## 2103                                  0              1              0              0
## 2104                                  0              1              0              0
## 2105                                  0              1              0              0
## 2106                                  0              1              0              0
## 2107                                  0              1              0              0
## 2108                                  0              1              0              0
## 2109                                  0              1              0              0
## 2110                                  0              1              0              0
## 2111                                  0              1              0              0
## 2112                                  0              1              0              0
## 2113                                  0              1              0              0
## 2114                                  0              1              0             60
## 2115                                  0              1              0            209
## 2116                                  0              1              0              0
## 2117                                  0              1              0          11261
## 2118                                  0              1              0            428
## 2119                                  0              1              0            277
## 2120                                  0              1              0              0
## 2121                                  0              1              0           1188
## 2122                                  0              1              0              0
## 2123                                  0              1              0              0
## 2124                                  0              1              0              0
## 2125                                  0              1              0              0
## 2126                                  0              1              0              0
## 2127                                  0              1              0           8285
##      tot_cur_bal open_acc_6m open_il_6m open_il_12m open_il_24m
## 1        317061           0          1           1           2
## 2             0           0          0           0           0
## 3         79160           0          0           0           0
## 4        633695           0          0           0           0
## 5         61361           0          0           0           0
## 6        193396           0          0           0           0
## 7        254070           0          0           0           0
## 8        297132           0          0           0           0
## 9        215190           0          0           0           0
## 10        17081           0          0           0           0
## 11       129514           0          0           0           0
## 12        95659           0          0           0           0
## 13        32817           0          0           0           0
## 14       153992           0          0           0           0
## 15       149321           0          0           0           0
## 16       121575           0          0           0           0
## 17            0           0          0           0           0
## 18            0           0          0           0           0
## 19        65462           0          2           1           1
## 20       164764           1          5           1           6
## 21       195971           1          0           1           2
## 22        32608           0          0           0           0
## 23        29977           0          0           0           0
## 24            0           0          0           0           0
```

```
## 25      45005      0      0      0      0
## 26      32566      0      0      0      0
## 27      45117      0      0      0      0
## 28     118988      0      0      0      0
## 29     105291      0      0      0      0
## 30     562485      0      0      0      0
## 31      26777      0      0      0      0
## 32      52797      0      0      0      0
## 33     166540      0      0      0      0
## 34     178297      0      0      0      0
## 35     378890      0      0      0      0
## 36      94586      0      0      0      0
## 37      53673      0      0      0      0
## 38     208632      0      0      0      0
## 39     231795      0      0      0      0
## 40     127084      0      0      0      0
## 41     227582      1      0      0      0
## 42      48199      0      0      0      0
## 43      34993      0      0      0      0
## 44      52196      0      0      0      0
## 45      43706      0      0      0      0
## 46      11342      0      0      0      0
## 47      87787      0      0      0      0
## 48      27580      0      0      0      0
## 49      22178      0      0      0      0
## 50      18631      0      0      0      0
## 51      25892      0      0      0      0
## 52      33410      0      0      0      0
## 53      17963      0      0      0      0
## 54       1758      0      0      0      0
## 55      18942      0      0      0      0
## 56      15296      0      0      0      0
## 57     361059      0      0      0      0
## 58     315319      0      0      0      0
## 59          0      0      0      0      0
## 60          0      0      0      0      0
## 61          0      0      0      0      0
## 62      33107      0      0      0      0
## 63          0      0      0      0      0
## 64          0      0      0      0      0
## 65          0      0      0      0      0
## 66      31592      0      0      0      0
## 67     101147      0      0      0      0
## 68      81939      0      0      0      0
## 69      53199      0      0      0      0
## 70      22062      0      0      0      0
## 71      80935      0      0      0      0
## 72          0      0      0      0      0
## 73      16635      0      0      0      0
## 74      62637      0      0      0      0
## 75       3264      0      0      0      0
## 76      30652      0      0      0      0
## 77      27225      0      0      0      0
## 78      48196      0      0      0      0
```

```
## 79      17203         0         0         0         0
## 80      40773         0         0         0         0
## 81       3398         0         0         0         0
## 82      43199         1         3         0         1
## 83       2068         0         0         0         0
## 84      33795         0         0         0         0
## 85      14739         0         0         0         0
## 86      38847         0         0         0         0
## 87      17370         0         0         0         0
## 88      27507         0         0         0         0
## 89      36760         0         0         0         0
## 90      26130         0         0         0         0
## 91      38409         0         0         0         0
## 92      11713         0         0         0         0
## 93      49629         0         0         0         0
## 94      47029         0         0         0         0
## 95       7870         0         0         0         0
## 96      18892         0         0         0         0
## 97      22170         0         0         0         0
## 98      20232         0         0         0         0
## 99      31429         0         0         0         0
## 100     19308         0         0         0         0
## 101    350455         0         0         0         0
## 102    194886         0         0         0         0
## 103     13630         0         0         0         0
## 104    254583         0         0         0         0
## 105     14259         0         0         0         0
## 106     20849         0         0         0         0
## 107     60461         0         0         0         0
## 108     14130         0         0         0         0
## 109    254736         0         0         0         0
## 110    191791         0         0         0         0
## 111     21143         0         0         0         0
## 112    138861         0         0         0         0
## 113    185777         0         0         0         0
## 114     11034         0         0         0         0
## 115      4039         0         0         0         0
## 116    113701         0         0         0         0
## 117    375683         0         0         0         0
## 118      3712         0         0         0         0
## 119     18685         0         0         0         0
## 120     43330         0         0         0         0
## 121      5804         0         1         0         0
## 122     69110         0         0         0         0
## 123      1897         0         0         0         0
## 124     11336         0         0         0         0
## 125     21747         0         0         0         0
## 126     29869         0         0         0         0
## 127     43315         0         0         0         0
## 128     10199         0         0         0         0
## 129      5871         0         0         0         0
## 130     18675         0         0         0         0
## 131         0         0         0         0         0
## 132     26543         0         0         0         0
```

```
## 133           0         0         0         0         0
## 134        7739         0         0         0         0
## 135       28678         0         0         0         0
## 136       21575         0         0         0         0
## 137       22050         0         0         0         0
## 138       16006         0         0         0         0
## 139       90046         0         0         0         0
## 140      190955         0         4         0         4
## 141      175065         1         2         0         1
## 142      116703         1         1         0         1
## 143      145777         0         0         0         0
## 144      206235         0         1         0         1
## 145      217128         2         8         0         0
## 146           0         0         0         0         0
## 147           0         0         0         0         0
## 148           0         0         0         0         0
## 149      321129         0         0         0         0
## 150           0         0         0         0         0
## 151           0         0         0         0         0
## 152           0         0         0         0         0
## 153           0         0         0         0         0
## 154           0         0         0         0         0
## 155           0         0         0         0         0
## 156           0         0         0         0         0
## 157           0         0         0         0         0
## 158           0         0         0         0         0
## 159           0         0         0         0         0
## 160           0         0         0         0         0
## 161           0         0         0         0         0
## 162           0         0         0         0         0
## 163           0         0         0         0         0
## 164      125892         0         0         0         0
## 165           0         0         0         0         0
## 166           0         0         0         0         0
## 167       71747         0         0         0         0
## 168           0         0         0         0         0
## 169      248048         0         1         0         0
## 170       46884         0         0         0         0
## 171           0         0         0         0         0
## 172       16968         0         0         0         0
## 173       22640         0         0         0         0
## 174           0         0         0         0         0
## 175      167271         0         0         0         0
## 176       72612         0         0         0         0
## 177       89971         0         0         0         0
## 178       44669         0         0         0         0
## 179      143442         0         0         0         0
## 180      112296         0         0         0         0
## 181      285982         0         0         0         0
## 182       14547         0         0         0         0
## 183       17102         0         0         0         0
## 184       93219         0         0         0         0
## 185      212182         0         0         0         0
## 186      280694         0         0         0         0
```

```
## 187     18344        0        0        0        0
## 188    185196        0        0        0        0
## 189     78569        0        0        0        0
## 190    240358        0        0        0        0
## 191      6728        0        0        0        0
## 192     72792        0        0        0        0
## 193    384837        0        0        0        0
## 194    155879        0        0        0        0
## 195      5757        0        0        0        0
## 196    277625        0        0        0        0
## 197    401775        0        0        0        0
## 198    226636        0        0        0        0
## 199     68225        0        0        0        0
## 200    209151        0        0        0        0
## 201      8585        0        0        0        0
## 202    121191        0        0        0        0
## 203     67528        0        0        0        0
## 204    353791        0        0        0        0
## 205    275482        0        0        0        0
## 206     47266        0        0        0        0
## 207      7201        0        0        0        0
## 208      9999        0        0        0        0
## 209    252222        0        0        0        0
## 210    441084        0        0        0        0
## 211    171524        0        0        0        0
## 212     20334        0        0        0        0
## 213     25207        0        0        0        0
## 214      2845        0        0        0        0
## 215     46582        0        0        0        0
## 216    161288        0        0        0        0
## 217    126079        0        0        0        0
## 218     48325        0        0        0        0
## 219      6978        0        0        0        0
## 220     12421        0        0        0        0
## 221     27705        0        0        0        0
## 222     36280        0        0        0        0
## 223     63721        0        0        0        0
## 224         0        0        0        0        0
## 225    130351        0        0        0        0
## 226      7285        0        0        0        0
## 227    535935        0        0        0        0
## 228    142320        0        0        0        0
## 229     13615        0        0        0        0
## 230     61848        0        0        0        0
## 231         0        0        0        0        0
## 232         0        0        0        0        0
## 233         0        0        0        0        0
## 234    132246        0        0        0        0
## 235    147005        0        0        0        0
## 236     86125        0        0        0        0
## 237    197331        0        0        0        0
## 238    134888        0        0        0        0
## 239    353601        0        0        0        0
## 240    219818        0        0        0        0
```

```
## 241    110676    0    0    0    0
## 242     42992    0    0    0    0
## 243     71450    0    0    0    0
## 244    152338    0    0    0    0
## 245    224284    0    0    0    0
## 246    111715    0    0    0    0
## 247    259434    0    0    0    0
## 248    225205    0    0    0    0
## 249    126379    0    0    0    0
## 250    168047    0    0    0    0
## 251    168225    0    0    0    0
## 252         0    0    0    0    0
## 253    147302    0    1    0    1
## 254    152150    0    0    0    0
## 255         0    0    0    0    0
## 256         0    0    0    0    0
## 257         0    0    0    0    0
## 258         0    0    0    0    0
## 259         0    0    0    0    0
## 260         0    0    0    0    0
## 261         0    0    0    0    0
## 262         0    0    0    0    0
## 263         0    0    0    0    0
## 264         0    0    0    0    0
## 265         0    0    0    0    0
## 266         0    0    0    0    0
## 267         0    0    0    0    0
## 268         0    0    0    0    0
## 269         0    0    0    0    0
## 270         0    0    0    0    0
## 271      1510    0    0    0    0
## 272    128076    0    0    0    0
## 273    306077    0    0    0    0
## 274    121260    0    0    0    0
## 275     76567    0    0    0    0
## 276    299325    0    0    0    0
## 277    227339    0    0    0    0
## 278    113355    0    0    0    0
## 279      4387    0    0    0    0
## 280    291520    0    0    0    0
## 281    302990    0    0    0    0
## 282    291677    0    0    0    0
## 283    545356    0    0    0    0
## 284    215447    0    0    0    0
## 285     91077    0    0    0    0
## 286    410938    0    0    0    0
## 287    309381    0    0    0    0
## 288    222536    0    0    0    0
## 289    303710    0    0    0    0
## 290     13980    0    0    0    0
## 291     48818    0    0    0    0
## 292    233703    0    0    0    0
## 293    189750    0    0    0    0
## 294     12690    0    0    0    0
```

```
## 295     184083          0          0          0          0
## 296     191755          0          0          0          0
## 297      83432          0          0          0          0
## 298     216061          0          0          0          0
## 299     172505          0          0          0          0
## 300     132553          0          0          0          0
## 301     273767          0          0          0          0
## 302     161103          0          0          0          0
## 303     163987          0          0          0          0
## 304     245221          0          0          0          0
## 305     476723          0          0          0          0
## 306     481366          0          0          0          0
## 307     133653          0          0          0          0
## 308     268779          0          0          0          0
## 309      24698          0          0          0          0
## 310      79708          0          0          0          0
## 311          0          0          0          0          0
## 312      10281          0          0          0          0
## 313      10356          0          0          0          0
## 314      25199          0          0          0          0
## 315      13000          0          0          0          0
## 316     217279          0          0          0          0
## 317      41627          0          0          0          0
## 318      25092          0          0          0          0
## 319       6702          0          0          0          0
## 320     242097          0          0          0          0
## 321      25625          0          0          0          0
## 322      13097          0          0          0          0
## 323     311710          0          0          0          0
## 324     107406          0          0          0          0
## 325      70046          0          0          0          0
## 326      31472          0          0          0          0
## 327      32645          0          0          0          0
## 328      19991          0          0          0          0
## 329      18911          0          0          0          0
## 330      51461          0          0          0          0
## 331      20242          0          0          0          0
## 332       7946          0          0          0          0
## 333       6987          0          0          0          0
## 334      30154          0          0          0          0
## 335      66308          0          0          0          0
## 336      18950          0          0          0          0
## 337      38252          0          0          0          0
## 338      34440          0          0          0          0
## 339     217730          0          0          0          0
## 340      29558          0          0          0          0
## 341      18155          0          0          0          0
## 342      34320          0          0          0          0
## 343      56004          0          0          0          0
## 344      32885          0          0          0          0
## 345     113024          0          0          0          0
## 346      29219          0          0          0          0
## 347      34994          0          0          0          0
## 348      70925          0          0          0          0
```

```
## 349     43245          0          0          0          0
## 350     70310          0          0          0          0
## 351     99616          0          0          0          0
## 352     38483          0          0          0          0
## 353      7693          0          0          0          0
## 354    109542          0          0          0          0
## 355     15336          0          0          0          0
## 356     12163          0          0          0          0
## 357     24250          0          0          0          0
## 358     28073          0          0          0          0
## 359     32207          0          0          0          0
## 360    266375          0          0          0          0
## 361     22583          0          0          0          0
## 362     30034          0          0          0          0
## 363      7838          0          0          0          0
## 364     61461          0          0          0          0
## 365     16601          0          0          0          0
## 366      4646          0          0          0          0
## 367     11287          0          1          0          0
## 368     13276          2          0          0          1
## 369      7259          1          0          0          0
## 370         0          0          0          0          0
## 371         0          0          0          0          0
## 372         0          0          0          0          0
## 373    250461          0          0          0          0
## 374         0          0          0          0          0
## 375         0          0          0          0          0
## 376         0          0          0          0          0
## 377    337710          0          0          0          0
## 378         0          0          0          0          0
## 379         0          0          0          0          0
## 380         0          0          0          0          0
## 381         0          0          0          0          0
## 382    145905          1          2          1          1
## 383    323434          1          4          1          2
## 384    175207          2          4          1          3
## 385    300547          3          0          1          1
## 386         0          0          0          0          0
## 387    271904          0          0          0          0
## 388    108534          0          0          0          0
## 389         0          0          0          0          0
## 390         0          0          0          0          0
## 391         0          0          0          0          0
## 392         0          0          0          0          0
## 393    185827          1          3          1          2
## 394    172060          0          0          0          0
## 395    138627          0          0          0          0
## 396    223209          0          0          0          0
## 397    189266          0          0          0          0
## 398    125913          0          0          0          0
## 399    671888          0          0          0          0
## 400    455780          0          0          0          0
## 401    144351          0          0          0          0
## 402    114823          0          0          0          0
```

```
## 403      35113         0         0         0         0
## 404     150577         0         0         0         0
## 405     445997         0         0         0         0
## 406     461472         0         0         0         0
## 407     140964         0         0         0         0
## 408     307359         0         0         0         0
## 409     182029         0         0         0         0
## 410     119700         0         0         0         0
## 411      61654         0         0         0         0
## 412      97805         0         0         0         0
## 413     232080         0         0         0         0
## 414     430751         0         0         0         0
## 415     140346         0         0         0         0
## 416     126788         0         0         0         0
## 417     120353         0         0         0         0
## 418     218045         0         0         0         0
## 419     191445         0         0         0         0
## 420     748808         0         0         0         0
## 421     200773         0         0         0         0
## 422     217509         0         0         0         0
## 423      95039         0         0         0         0
## 424      66143         0         0         0         0
## 425     148048         0         0         0         0
## 426     193288         0         0         0         0
## 427     128896         0         0         0         0
## 428     375599         0         0         0         0
## 429     153513         0         0         0         0
## 430     629566         0         0         0         0
## 431     142808         0         0         0         0
## 432     102005         0         0         0         0
## 433     286759         0         0         0         0
## 434     308859         0         0         0         0
## 435     179068         0         0         0         0
## 436     116520         0         0         0         0
## 437     222485         0         0         0         0
## 438      20934         0         0         0         0
## 439     231512         0         0         0         0
## 440     171456         0         0         0         0
## 441      65795         0         0         0         0
## 442      69829         0         0         0         0
## 443      65739         0         0         0         0
## 444      91921         0         0         0         0
## 445     492702         0         0         0         0
## 446     192361         0         0         0         0
## 447     194754         0         0         0         0
## 448      17097         0         0         0         0
## 449     123330         0         0         0         0
## 450     127070         0         0         0         0
## 451      79528         0         0         0         0
## 452      90862         0         0         0         0
## 453     167712         0         0         0         0
## 454      36265         1         2         0         1
## 455      13609         0         1         0         1
## 456     235029         2         1         1         1
```

```
## 457           0          0          0          0          0
## 458           0          0          0          0          0
## 459           0          0          0          0          0
## 460           0          0          0          0          0
## 461           0          0          0          0          0
## 462           0          0          0          0          0
## 463           0          0          0          0          0
## 464           0          0          0          0          0
## 465           0          0          0          0          0
## 466           0          0          0          0          0
## 467           0          0          0          0          0
## 468           0          0          0          0          0
## 469           0          0          0          0          0
## 470           0          0          0          0          0
## 471           0          0          0          0          0
## 472           0          0          0          0          0
## 473           0          0          0          0          0
## 474           0          0          0          0          0
## 475       99725          0          0          0          0
## 476       29126          0          0          0          0
## 477      323497          0          0          0          0
## 478       39462          0          0          0          0
## 479      189917          0          0          0          0
## 480      151050          0          0          0          0
## 481      113986          0          0          0          0
## 482           0          0          0          0          0
## 483           0          0          0          0          0
## 484      218466          0          0          0          0
## 485           0          0          0          0          0
## 486      102945          0          0          0          0
## 487           0          0          0          0          0
## 488      434722          0          0          0          0
## 489           0          0          0          0          0
## 490        7731          0          0          0          0
## 491       93038          0          0          0          0
## 492      475620          0          0          0          0
## 493      191779          0          0          0          0
## 494      157994          0          0          0          0
## 495      242869          0          0          0          0
## 496      439618          0          0          0          0
## 497      131626          0          0          0          0
## 498       14903          0          0          0          0
## 499      155413          0          0          0          0
## 500      329057          0          0          0          0
## 501      126040          0          0          0          0
## 502       14461          0          0          0          0
## 503       46864          0          0          0          0
## 504      364050          0          0          0          0
## 505       49313          0          0          0          0
## 506      233971          0          0          0          0
## 507      127620          0          0          0          0
## 508      204558          0          0          0          0
## 509      177265          0          0          0          0
## 510      224189          0          0          0          0
```

```
## 511       388152         0          0          0          0
## 512        34145         0          0          0          0
## 513        83717         0          0          0          0
## 514        78904         0          0          0          0
## 515       110943         0          0          0          0
## 516       888841         0          0          0          0
## 517        42734         0          0          0          0
## 518       112143         0          0          0          0
## 519       212020         0          0          0          0
## 520       297930         0          0          0          0
## 521       110066         0          0          0          0
## 522        66987         0          0          0          0
## 523       127909         0          0          0          0
## 524        39544         0          0          0          0
## 525       211497         0          0          0          0
## 526       148107         0          0          0          0
## 527       237016         0          0          0          0
## 528       145254         0          0          0          0
## 529       222492         0          0          0          0
## 530        37518         0          0          0          0
## 531       254061         0          0          0          0
## 532       132062         0          0          0          0
## 533       118142         0          0          0          0
## 534        15141         1          0          0          0
## 535        19977         1          2          0          0
## 536            0         0          0          0          0
## 537       220312         0          0          0          0
## 538        47868         0          0          0          0
## 539       206431         0          0          0          0
## 540       134311         0          0          0          0
## 541       188372         0          0          0          0
## 542       175103         0          0          0          0
## 543        50722         0          0          0          0
## 544       404599         0          0          0          0
## 545       249806         0          0          0          0
## 546       439373         0          0          0          0
## 547        10531         0          0          0          0
## 548        25360         0          0          0          0
## 549        95015         0          0          0          0
## 550       185267         0          0          0          0
## 551        50177         0          0          0          0
## 552        18481         0          0          0          0
## 553       210035         0          0          0          0
## 554        37863         0          0          0          0
## 555        16821         0          0          0          0
## 556        41735         0          0          0          0
## 557        73673         2          2          1          3
## 558        75823         0          0          0          0
## 559       462166         0          0          0          0
## 560       164512         0          0          0          0
## 561        22712         0          0          0          0
## 562        78533         0          0          0          0
## 563        86637         0          0          0          0
## 564        37805         0          0          0          0
```

```
## 565      204352          0          0          0          0
## 566      217711          0          0          0          0
## 567      272666          0          0          0          0
## 568      148085          0          0          0          0
## 569       22499          0          0          0          0
## 570       65344          0          0          0          0
## 571           0          0          0          0          0
## 572           0          0          0          0          0
## 573           0          0          0          0          0
## 574           0          0          0          0          0
## 575           0          0          0          0          0
## 576           0          0          0          0          0
## 577           0          0          0          0          0
## 578      191867          0          0          0          0
## 579       25084          0          0          0          0
## 580           0          0          0          0          0
## 581           0          0          0          0          0
## 582           0          0          0          0          0
## 583           0          0          0          0          0
## 584           0          0          0          0          0
## 585           0          0          0          0          0
## 586      426371          2          1          1          1
## 587      291480          0          0          0          0
## 588           0          0          0          0          0
## 589           0          0          0          0          0
## 590      154156          0          0          0          0
## 591      122613          0          0          0          0
## 592       26512          0          0          0          0
## 593       93392          0          0          0          0
## 594      105005          0          0          0          0
## 595       90771          0          0          0          0
## 596       19958          0          0          0          0
## 597      691186          0          0          0          0
## 598      394653          0          0          0          0
## 599       22104          0          0          0          0
## 600       41220          0          0          0          0
## 601      215683          0          0          0          0
## 602      310702          0          0          0          0
## 603      101402          0          0          0          0
## 604       92978          0          0          0          0
## 605      129271          0          0          0          0
## 606      569907          0          0          0          0
## 607      149955          0          0          0          0
## 608        7898          0          0          0          0
## 609       23258          0          0          0          0
## 610      235995          0          0          0          0
## 611      117192          0          0          0          0
## 612      482494          0          0          0          0
## 613      195455          0          0          0          0
## 614      104346          0          0          0          0
## 615      249430          0          0          0          0
## 616      307713          0          0          0          0
## 617           0          0          0          0          0
## 618           0          0          0          0          0
```

```
## 619          0        0        0        0        0
## 620       8726        0        0        0        0
## 621     254320        0        0        0        0
## 622          0        0        0        0        0
## 623          0        0        0        0        0
## 624          0        0        0        0        0
## 625       3855        0        0        0        0
## 626          0        0        0        0        0
## 627    1148903        0        0        0        0
## 628          0        0        0        0        0
## 629      59304        0        0        0        0
## 630          0        0        0        0        0
## 631          0        0        0        0        0
## 632          0        0        0        0        0
## 633      10985        0        0        0        0
## 634      19185        0        0        0        0
## 635      69959        0        0        0        0
## 636      18673        0        0        0        0
## 637      18800        0        0        0        0
## 638      24071        0        0        0        0
## 639          0        0        0        0        0
## 640       5365        0        0        0        0
## 641       5893        0        0        0        0
## 642          0        0        0        0        0
## 643      18279        0        0        0        0
## 644      31695        0        0        0        0
## 645     128360        0        0        0        0
## 646       8566        0        0        0        0
## 647      17515        0        0        0        0
## 648      88129        0        0        0        0
## 649      39675        0        0        0        0
## 650     205029        0        0        0        0
## 651      52553        0        0        0        0
## 652      21865        0        0        0        0
## 653      59396        0        0        0        0
## 654     255327        0        0        0        0
## 655      15970        0        0        0        0
## 656      98106        0        0        0        0
## 657     428251        0        0        0        0
## 658      27975        0        0        0        0
## 659      51306        0        0        0        0
## 660      36356        0        0        0        0
## 661      17462        0        0        0        0
## 662     166759        0        0        0        0
## 663     283361        0        0        0        0
## 664      20978        0        0        0        0
## 665     197492        0        0        0        0
## 666     374859        0        0        0        0
## 667     189760        0        0        0        0
## 668      72320        0        0        0        0
## 669          0        0        0        0        0
## 670          0        0        0        0        0
## 671          0        0        0        0        0
## 672          0        0        0        0        0
```

```
## 673      87901        0        0        0        0
## 674          0        0        0        0        0
## 675          0        0        0        0        0
## 676          0        0        0        0        0
## 677          0        0        0        0        0
## 678          0        0        0        0        0
## 679          0        0        0        0        0
## 680     331705        0        0        0        0
## 681      81174        3        1        0        0
## 682          0        0        0        0        0
## 683          0        0        0        0        0
## 684          0        0        0        0        0
## 685     120511        0        0        0        0
## 686      46055        0        0        0        0
## 687     186836        0        0        0        0
## 688     299676        0        0        0        0
## 689     327317        0        0        0        0
## 690     235147        0        0        0        0
## 691      14666        0        0        0        0
## 692       6621        0        0        0        0
## 693     111881        0        0        0        0
## 694      24484        0        0        0        0
## 695     166045        0        0        0        0
## 696     203992        0        0        0        0
## 697      34269        0        0        0        0
## 698      66413        0        0        0        0
## 699     152962        0        0        0        0
## 700      46579        0        0        0        0
## 701     148535        0        0        0        0
## 702      10444        0        0        0        0
## 703       7581        0        0        0        0
## 704      13724        0        0        0        0
## 705       5023        0        0        0        0
## 706      17158        0        0        0        0
## 707      15687        0        0        0        0
## 708      42531        0        0        0        0
## 709      29933        0        0        0        0
## 710      14642        0        0        0        0
## 711      37233        0        0        0        0
## 712      23185        0        0        0        0
## 713      14479        0        0        0        0
## 714      43041        0        0        0        0
## 715      76218        0        0        0        0
## 716      54066        0        0        0        0
## 717      38488        0        0        0        0
## 718      26865        0        0        0        0
## 719      25277        0        0        0        0
## 720      18788        0        0        0        0
## 721       8081        0        0        0        0
## 722       9716        0        0        0        0
## 723      13043        0        0        0        0
## 724      91102        0        0        0        0
## 725      23578        0        0        0        0
## 726     145496        0        0        0        0
```

```
## 727    26976        0          0          0          0
## 728    10401        1          1          0          1
## 729     6563        0          0          0          0
## 730    15698        0          1          0          0
## 731    22290        0          1          1          1
## 732    34061        1          2          2          2
## 733    47411        0          0          0          0
## 734   120929        0          0          0          0
## 735   252405        0          0          0          0
## 736        0        0          0          0          0
## 737   125946        0          0          0          0
## 738    42188        0          0          0          0
## 739    16493        0          0          0          0
## 740   172077        0          0          0          0
## 741   110929        0          0          0          0
## 742        0        0          0          0          0
## 743        0        0          0          0          0
## 744        0        0          0          0          0
## 745        0        0          0          0          0
## 746        0        0          0          0          0
## 747        0        0          0          0          0
## 748        0        0          0          0          0
## 749        0        0          0          0          0
## 750    21954        0          0          0          0
## 751     4861        0          0          0          0
## 752    12520        0          0          0          0
## 753    43848        0          0          0          0
## 754    74213        0          0          0          0
## 755    37122        0          0          0          0
## 756     9871        0          0          0          0
## 757        0        0          0          0          0
## 758        0        0          0          0          0
## 759        0        0          0          0          0
## 760        0        0          0          0          0
## 761     4421        0          0          0          0
## 762        0        0          0          0          0
## 763        0        0          0          0          0
## 764        0        0          0          0          0
## 765        0        0          0          0          0
## 766        0        0          0          0          0
## 767     3847        0          0          0          0
## 768        0        0          0          0          0
## 769        0        0          0          0          0
## 770        0        0          0          0          0
## 771     8298        0          0          0          0
## 772        0        0          0          0          0
## 773        0        0          0          0          0
## 774        0        0          0          0          0
## 775        0        0          0          0          0
## 776        0        0          0          0          0
## 777    80851        0          0          0          0
## 778        0        0          0          0          0
## 779   539931        0          0          0          0
## 780    97708        0          0          0          0
```

```
## 781          0              0          0          0          0
## 782          0              0          0          0          0
## 783      22262              0          0          0          0
## 784      13342              0          0          0          0
## 785      19356              0          0          0          0
## 786       5878              0          0          0          0
## 787      17612              0          0          0          0
## 788      20267              0          0          0          0
## 789      24029              0          0          0          0
## 790      40295              0          0          0          0
## 791     204784              0          0          0          0
## 792        378              0          0          0          0
## 793          0              0          0          0          0
## 794          0              0          0          0          0
## 795          0              0          0          0          0
## 796          0              0          0          0          0
## 797          0              0          0          0          0
## 798          0              0          0          0          0
## 799          0              0          0          0          0
## 800       5912              0          0          0          0
## 801          0              0          0          0          0
## 802          0              0          0          0          0
## 803          0              0          0          0          0
## 804          0              0          0          0          0
## 805      41268              0          2          1          2
## 806          0              0          0          0          0
## 807      12042              0          0          0          0
## 808       6541              0          0          0          0
## 809          0              0          0          0          0
## 810          0              0          0          0          0
## 811          0              0          0          0          0
## 812      10004              0          0          0          0
## 813       9343              0          0          0          0
## 814      93791              0          0          0          0
## 815     137768              0          0          0          0
## 816          0              0          0          0          0
## 817          0              0          0          0          0
## 818          0              0          0          0          0
## 819          0              0          0          0          0
## 820          0              0          0          0          0
## 821      49713              0          0          0          0
## 822      30980              0          0          0          0
## 823      30408              0          0          0          0
## 824      27481              0          0          0          0
## 825      12892              0          0          0          0
## 826      56199              0          0          0          0
## 827       2743              0          0          0          0
## 828      22204              0          0          0          0
## 829       5954              0          0          0          0
## 830     126051              0          0          0          0
## 831      29068              0          0          0          0
## 832      40873              0          0          0          0
## 833      13641              0          0          0          0
## 834      55011              0          0          0          0
```

```
## 835      10735         0         1         0         1
## 836      26382         2         2         2         4
## 837      22440         0         0         0         0
## 838       6546         0         0         0         0
## 839      47634         0         0         0         0
## 840      36006         0         0         0         0
## 841     395888         0         0         0         0
## 842      75719         0         0         0         0
## 843       9913         0         0         0         0
## 844     170129         0         0         0         0
## 845     276118         0         0         0         0
## 846      61447         0         0         0         0
## 847     102844         0         0         0         0
## 848      20761         0         0         0         0
## 849     337692         0         0         0         0
## 850     241144         0         0         0         0
## 851     198103         0         0         0         0
## 852     312043         0         0         0         0
## 853      67339         0         0         0         0
## 854       9331         0         0         0         0
## 855     181404         0         0         0         0
## 856      17963         0         0         0         0
## 857     137154         0         0         0         0
## 858     142433         0         0         0         0
## 859     366030         0         0         0         0
## 860     268654         0         0         0         0
## 861      72755         0         0         0         0
## 862     171555         0         0         0         0
## 863      34561         0         0         0         0
## 864     230673         0         0         0         0
## 865     303393         0         0         0         0
## 866      75190         0         0         0         0
## 867     366378         0         0         0         0
## 868     129706         0         0         0         0
## 869     133298         0         0         0         0
## 870     232037         0         0         0         0
## 871      23957         0         0         0         0
## 872      80393         0         0         0         0
## 873      11876         0         0         0         0
## 874      89799         0         0         0         0
## 875     239478         0         0         0         0
## 876      10729         0         0         0         0
## 877      59888         0         0         0         0
## 878     246201         0         0         0         0
## 879      14886         0         0         0         0
## 880     347350         0         0         0         0
## 881     316938         0         0         0         0
## 882      27108         0         0         0         0
## 883      38903         0         0         0         0
## 884     227287         0         0         0         0
## 885    2091211         0         0         0         0
## 886      19028         0         0         0         0
## 887       9489         0         0         0         0
## 888     263670         0         0         0         0
```

```
## 889     93383        0         0         0         0
## 890     24051        0         0         0         0
## 891    120706        0         0         0         0
## 892    173389        0         0         0         0
## 893     10662        0         0         0         0
## 894    203039        0         0         0         0
## 895    851206        0         0         0         0
## 896      2293        0         0         0         0
## 897    247072        0         0         0         0
## 898     21121        0         0         0         0
## 899     55581        0         0         0         0
## 900     46893        3         1         1         1
## 901     13092        0         1         1         1
## 902    180531        0         1         1         1
## 903      3984        9         0         1         1
## 904     57338        1         1         1         2
## 905    424797        1         4         3         4
## 906     11002        0         0         0         0
## 907    267574        0         0         0         0
## 908    157632        0         0         0         0
## 909     23871        0         0         0         0
## 910    129737        0         0         0         0
## 911    212241        0         0         0         0
## 912    464473        0         0         0         0
## 913     94304        0         0         0         0
## 914     92394        0         0         0         0
## 915    251719        0         0         0         0
## 916      5414        0         0         0         0
## 917    117416        0         0         0         0
## 918    523551        0         0         0         0
## 919     70977        0         0         0         0
## 920     27471        0         0         0         0
## 921     45283        0         0         0         0
## 922    211454        0         0         0         0
## 923     14969        0         0         0         0
## 924      5318        0         0         0         0
## 925    120785        0         0         0         0
## 926     95549        0         0         0         0
## 927    188638        0         0         0         0
## 928    190472        0         0         0         0
## 929    253554        0         0         0         0
## 930     54706        0         0         0         0
## 931    263444        0         0         0         0
## 932     17963        0         0         0         0
## 933    421997        0         0         0         0
## 934    107366        0         0         0         0
## 935     18348        0         0         0         0
## 936     54402        0         0         0         0
## 937    138032        0         0         0         0
## 938     27018        0         0         0         0
## 939     21753        0         0         0         0
## 940     43368        0         0         0         0
## 941     13473        0         0         0         0
## 942     69982        0         0         0         0
```

```
## 943   243553          0          0          0          0
## 944    65119          0          0          0          0
## 945    57046          0          0          0          0
## 946   321528          0          0          0          0
## 947   222496          0          0          0          0
## 948    10904          0          0          0          0
## 949    17998          0          0          0          0
## 950    27229          0          0          0          0
## 951    48333          0          0          0          0
## 952    41245          0          0          0          0
## 953    23884          0          0          0          0
## 954    15111          0          0          0          0
## 955    28390          0          0          0          0
## 956    44563          0          0          0          0
## 957     4485          0          0          0          0
## 958        0          0          0          0          0
## 959   113529          0          0          0          0
## 960        0          0          0          0          0
## 961        0          0          0          0          0
## 962        0          0          0          0          0
## 963        0          0          0          0          0
## 964    12175          0          0          0          0
## 965    23055          0          0          0          0
## 966        0          0          0          0          0
## 967    25523          0          0          0          0
## 968    34769          0          0          0          0
## 969    24183          0          0          0          0
## 970     5910          0          0          0          0
## 971   247706          0          0          0          0
## 972    19146          0          0          0          0
## 973     7911          0          0          0          0
## 974        0          0          0          0          0
## 975        0          0          0          0          0
## 976        0          0          0          0          0
## 977    12069          0          0          0          0
## 978        0          0          0          0          0
## 979    11959          0          0          0          0
## 980   305093          0          0          0          0
## 981        0          0          0          0          0
## 982        0          0          0          0          0
## 983        0          0          0          0          0
## 984    14222          0          0          0          0
## 985    28183          0          0          0          0
## 986    15244          0          0          0          0
## 987    10097          0          0          0          0
## 988        0          0          0          0          0
## 989        0          0          0          0          0
## 990        0          0          0          0          0
## 991    10144          0          0          0          0
## 992        0          0          0          0          0
## 993        0          0          0          0          0
## 994        0          0          0          0          0
## 995        0          0          0          0          0
## 996        0          0          0          0          0
```

```
## 997      17674        0        0        0        0
## 998          0        0        0        0        0
## 999          0        0        0        0        0
## 1000         0        0        0        0        0
## 1001         0        0        0        0        0
## 1002     49635        1        0        0        0
## 1003     21384        0        0        0        0
## 1004     11377        0        0        0        0
## 1005     30303        0        0        0        0
## 1006     22415        0        0        0        0
## 1007    461863        0        0        0        0
## 1008     14597        0        0        0        0
## 1009     42578        0        0        0        0
## 1010    344920        0        0        0        0
## 1011     20270        0        0        0        0
## 1012     42468        0        0        0        0
## 1013     34234        0        0        0        0
## 1014      8728        0        0        0        0
## 1015         0        0        0        0        0
## 1016         0        0        0        0        0
## 1017     37817        0        0        0        0
## 1018      6142        0        0        0        0
## 1019         0        0        0        0        0
## 1020     19187        0        0        0        0
## 1021     19028        0        2        0        2
## 1022         0        0        0        0        0
## 1023         0        0        0        0        0
## 1024         0        0        0        0        0
## 1025         0        0        0        0        0
## 1026         0        0        0        0        0
## 1027         0        0        0        0        0
## 1028         0        0        0        0        0
## 1029         0        0        0        0        0
## 1030     12952        0        0        0        0
## 1031         0        0        0        0        0
## 1032      5237        0        0        0        0
## 1033      3442        0        0        0        0
## 1034      5366        0        0        0        0
## 1035      5862        0        0        0        0
## 1036         0        0        0        0        0
## 1037     16200        0        0        0        0
## 1038         0        0        0        0        0
## 1039     10855        0        0        0        0
## 1040         0        0        0        0        0
## 1041     97966        0        0        0        0
## 1042      5172        0        0        0        0
## 1043         0        0        0        0        0
## 1044         0        0        0        0        0
## 1045         0        0        0        0        0
## 1046         0        0        0        0        0
## 1047         0        0        0        0        0
## 1048         0        0        0        0        0
## 1049    278240        0        0        0        0
## 1050     30934        0        0        0        0
```

```
## 1051   214130       0        0        0        0
## 1052    94854       0        0        0        0
## 1053   154084       0        0        0        0
## 1054   265293       0        0        0        0
## 1055   158046       0        0        0        0
## 1056   230275       0        0        0        0
## 1057   527053       0        0        0        0
## 1058    14673       0        0        0        0
## 1059    15943       0        0        0        0
## 1060    53180       0        0        0        0
## 1061   226701       0        0        0        0
## 1062   316625       0        0        0        0
## 1063    29673       0        0        0        0
## 1064        0       0        0        0        0
## 1065    24862       0        0        0        0
## 1066        0       0        0        0        0
## 1067        0       0        0        0        0
## 1068     4236       0        0        0        0
## 1069        0       0        0        0        0
## 1070   313025       0        0        0        0
## 1071    29108       0        0        0        0
## 1072     4443       0        0        0        0
## 1073    23328       0        0        0        0
## 1074    12352       0        0        0        0
## 1075    10164       0        0        0        0
## 1076     5871       0        0        0        0
## 1077   139670       0        0        0        0
## 1078    21462       0        0        0        0
## 1079     2801       0        0        0        0
## 1080    11249       0        0        0        0
## 1081    12918       0        0        0        0
## 1082    98522       3        1        1        2
## 1083    29322       2        2        3        3
## 1084    26172       0        0        0        0
## 1085    38545       0        0        0        0
## 1086    29165       0        0        0        0
## 1087    51677       0        0        0        0
## 1088     2513       0        0        0        0
## 1089    31310       0        0        0        0
## 1090    50901       0        0        0        0
## 1091    12008       0        0        0        0
## 1092     3335       0        0        0        0
## 1093     7577       0        0        0        0
## 1094     5332       0        0        0        0
## 1095    42250       0        0        0        0
## 1096    30478       0        0        0        0
## 1097   232522       0        2        0        3
## 1098    18997       0        0        0        1
## 1099    50403       0        0        0        0
## 1100    39079       0        0        0        0
## 1101    24503       0        0        0        0
## 1102    93366       0        0        0        0
## 1103     6597       0        0        0        0
## 1104    12982       0        0        0        0
```

```
## 1105      6034          0          0          0          0
## 1106     63714          0          0          0          0
## 1107     38551          0          0          0          0
## 1108     11042          0          0          0          0
## 1109      4026          0          0          0          1
## 1110    283477          0          2          2          2
## 1111     29479          0          0          0          0
## 1112     29545          0          0          0          0
## 1113     18990          0          0          0          0
## 1114    177980          0          0          0          0
## 1115      4882          0          0          0          0
## 1116     33731          0          0          0          0
## 1117      7689          0          0          0          0
## 1118     25149          0          0          0          0
## 1119    100971          0          0          0          0
## 1120      1569          0          0          0          0
## 1121     11492          0          0          0          0
## 1122    175635          0          0          0          0
## 1123    163061          0          0          0          0
## 1124    322239          0          0          0          0
## 1125    127010          0          0          0          0
## 1126     89059          4          3          2          3
## 1127    219233          0          0          0          0
## 1128     71685          0          0          0          0
## 1129     96621          0          0          0          0
## 1130    206040          0          0          0          0
## 1131     45308          0          0          0          0
## 1132     91236          0          0          0          0
## 1133      6187          0          0          0          0
## 1134      7908          0          0          0          0
## 1135      2840          0          0          0          0
## 1136     58099          0          0          0          0
## 1137     12162          0          0          0          0
## 1138    134026          0          0          0          0
## 1139    310847          0          0          0          0
## 1140    108516          0          0          0          0
## 1141    162573          0          0          0          0
## 1142     14028          0          0          0          0
## 1143     10342          0          0          0          0
## 1144     79555          0          0          0          0
## 1145     14669          0          0          0          0
## 1146     27347          0          0          0          0
## 1147    208931          0          0          0          0
## 1148    194913          0          0          0          0
## 1149    245501          0          0          0          0
## 1150     16935          0          0          0          0
## 1151     13253          0          0          0          0
## 1152     36243          0          0          0          0
## 1153     19780          0          0          0          0
## 1154     18056          0          0          0          0
## 1155     19849          0          0          0          0
## 1156      7173          0          0          0          0
## 1157     23943          0          0          0          0
## 1158     61204          0          0          0          0
```

```
## 1159      7314           0           0           0           0
## 1160      6420           0           0           0           0
## 1161      1431           0           0           0           0
## 1162     16851           0           0           0           0
## 1163     11136           0           0           0           0
## 1164     12567           0           0           0           0
## 1165     37404           0           0           0           0
## 1166     48696           0           0           0           0
## 1167     53533           0           0           0           0
## 1168     11536           0           0           0           0
## 1169      3479           0           0           0           0
## 1170       247           0           0           0           0
## 1171    195904           0           0           0           0
## 1172     48189           0           0           0           0
## 1173      5391           0           0           0           0
## 1174      7301           0           0           0           0
## 1175      5418           0           0           0           0
## 1176     17490           0           0           0           0
## 1177     39310           0           0           0           0
## 1178     10100           0           0           0           0
## 1179     31707           0           0           0           0
## 1180     13941           0           0           0           0
## 1181     43792           0           0           0           0
## 1182     34037           0           0           0           0
## 1183    167539           0           0           0           0
## 1184      5701           1           0           0           1
## 1185     13827           1           1           0           0
## 1186     63337           1           4           0           1
## 1187     27606           0           0           0           0
## 1188      4587           0           0           0           0
## 1189      9781           0           0           0           0
## 1190      9286           0           0           0           0
## 1191     71932           0           0           0           0
## 1192      8134           0           0           0           0
## 1193     24003           0           0           0           0
## 1194     13751           0           0           0           0
## 1195    127352           0           0           0           0
## 1196     58541           0           0           0           0
## 1197      2879           0           0           0           0
## 1198     68026           0           0           0           0
## 1199     39248           0           0           0           0
## 1200      9096           0           0           0           0
## 1201     14527           0           0           0           0
## 1202     10537           0           0           0           0
## 1203     18873           0           0           0           0
## 1204     11668           0           0           0           0
## 1205     23446           0           0           0           0
## 1206     27685           0           0           0           0
## 1207    172669           0           0           0           0
## 1208     25373           0           0           0           0
## 1209     35905           0           0           0           0
## 1210      7863           0           0           0           0
## 1211    253539           0           0           0           0
## 1212     42701           0           0           0           0
```

```
## 1213     92981          0          0          0          0
## 1214      7731          0          0          0          0
## 1215     28116          0          0          0          0
## 1216      4696          0          0          0          0
## 1217     26375          0          0          0          0
## 1218     29412          0          0          0          0
## 1219      5451          0          0          0          0
## 1220      8254          0          0          0          0
## 1221     14613          0          0          0          0
## 1222     25028          0          0          0          0
## 1223      2885          0          0          0          0
## 1224     33672          0          0          0          0
## 1225     51956          0          0          0          0
## 1226     68950          0          0          0          0
## 1227     61553          0          0          0          0
## 1228      8255          0          0          0          0
## 1229     25353          0          0          0          0
## 1230      9086          0          0          0          0
## 1231       911          0          0          0          0
## 1232       894          0          0          0          0
## 1233      7326          1          0          0          0
## 1234     11740          3          0          1          2
## 1235    444964          0          0          0          0
## 1236     56952          0          0          0          0
## 1237     55648          0          0          0          0
## 1238      5032          0          0          0          0
## 1239     22937          0          0          0          0
## 1240     40873          0          0          0          0
## 1241     10196          0          0          0          0
## 1242     78785          0          0          0          0
## 1243     40243          0          0          0          0
## 1244      7184          0          0          0          0
## 1245     11002          0          0          0          0
## 1246     11311          0          0          0          0
## 1247       240          0          0          0          0
## 1248      5701          0          0          0          0
## 1249      6716          0          0          0          0
## 1250     19681          0          0          0          0
## 1251     30787          0          0          0          0
## 1252      7704          0          0          0          0
## 1253     15006          0          0          0          0
## 1254      4691          0          0          0          0
## 1255      8530          0          0          0          0
## 1256     48550          0          0          0          0
## 1257     50986          0          0          0          0
## 1258     83388          0          0          0          0
## 1259      8286          0          0          0          0
## 1260     36004          0          0          0          0
## 1261     21996          0          0          0          0
## 1262     64382          0          0          0          0
## 1263      9183          0          0          0          0
## 1264    180819          0          0          0          0
## 1265     17287          0          0          0          0
## 1266     87983          0          0          0          0
```

```
## 1267    226407      0      0      0      0
## 1268    190021      0      0      0      0
## 1269     27548      0      0      0      0
## 1270      4430      0      0      0      0
## 1271         0      0      0      0      0
## 1272         0      0      0      0      0
## 1273    263015      0      0      0      0
## 1274      7022      0      0      0      0
## 1275     20432      0      0      0      0
## 1276     61634      0      0      0      0
## 1277     26895      0      0      0      0
## 1278     30683      0      0      0      0
## 1279     62729      0      0      0      0
## 1280     22957      0      0      0      0
## 1281         0      0      0      0      0
## 1282         0      0      0      0      0
## 1283       115      0      0      0      0
## 1284         0      0      0      0      0
## 1285         0      0      0      0      0
## 1286         0      0      0      0      0
## 1287         0      0      0      0      0
## 1288         0      0      0      0      0
## 1289      7699      0      0      0      0
## 1290         0      0      0      0      0
## 1291         0      0      0      0      0
## 1292         0      0      0      0      0
## 1293         0      0      0      0      0
## 1294         0      0      0      0      0
## 1295         0      0      0      0      0
## 1296         0      0      0      0      0
## 1297    150821      0      0      0      0
## 1298    211109      0      0      0      0
## 1299    163566      0      0      0      0
## 1300    124897      0      0      0      0
## 1301     19396      0      0      0      0
## 1302     15763      0      0      0      0
## 1303     11500      0      0      0      0
## 1304    180246      0      0      0      0
## 1305    151566      0      0      0      0
## 1306    312960      0      0      0      0
## 1307    193907      0      0      0      0
## 1308    110306      0      0      0      0
## 1309     27718      0      0      0      0
## 1310    403342      0      0      0      0
## 1311    183520      0      0      0      0
## 1312    105392      0      0      0      0
## 1313     83003      0      0      0      0
## 1314    189397      0      0      0      0
## 1315         0      0      0      0      0
## 1316    148137      0      0      0      0
## 1317    171719      0      0      0      0
## 1318    129530      0      0      0      0
## 1319     26692      0      0      0      0
## 1320     91501      0      0      0      0
```

```
## 1321   268403        0        0        0        0
## 1322        0        0        0        0        0
## 1323    11985        0        0        0        0
## 1324   111361        0        0        0        0
## 1325    14096        0        0        0        0
## 1326    10815        0        0        0        0
## 1327    21373        0        0        0        0
## 1328    79445        0        0        0        0
## 1329    56484        0        0        0        0
## 1330    78385        0        0        0        0
## 1331    22664        0        0        0        0
## 1332    61348        0        0        0        0
## 1333    29653        0        0        0        0
## 1334     2418        0        0        0        0
## 1335    37358        0        0        0        0
## 1336    31980        0        0        0        0
## 1337        0        0        0        0        0
## 1338    13564        0        0        0        0
## 1339    18466        0        0        0        0
## 1340    17452        0        0        0        0
## 1341   239411        0        0        0        0
## 1342    29251        0        0        0        0
## 1343    36332        0        0        0        0
## 1344    16373        0        0        0        0
## 1345    38946        0        0        0        0
## 1346    30200        0        0        0        0
## 1347    10223        0        0        0        0
## 1348     9095        0        0        0        0
## 1349    23652        0        0        0        0
## 1350    31493        0        0        0        0
## 1351    11459        0        0        0        0
## 1352    11472        0        0        0        0
## 1353    22059        0        0        0        0
## 1354     5245        0        0        0        0
## 1355     5395        1        0        0        0
## 1356    21665        0        0        0        0
## 1357   258572        0        0        0        0
## 1358   195643        0        0        0        0
## 1359   212159        0        0        0        0
## 1360   154040        0        0        0        0
## 1361   467726        0        0        0        0
## 1362   151406        0        0        0        0
## 1363    40998        0        0        0        0
## 1364   202388        0        0        0        0
## 1365   109864        0        0        0        0
## 1366   185538        0        0        0        0
## 1367   111362        0        0        0        0
## 1368    19552        0        0        0        0
## 1369   247352        0        0        0        0
## 1370   154717        0        0        0        0
## 1371   348841        0        0        0        0
## 1372   174973        0        0        0        0
## 1373    66728        0        0        0        0
## 1374   203676        0        0        0        0
```

```
## 1375    309719          0          0          0          0
## 1376    166676          0          0          0          0
## 1377     90765          0          0          0          0
## 1378    114175          0          0          0          0
## 1379    162607          0          0          0          0
## 1380    202063          0          0          0          0
## 1381     52886          0          0          0          0
## 1382    230284          0          0          0          0
## 1383    149060          0          0          0          0
## 1384    315604          0          0          0          0
## 1385    193972          0          0          0          0
## 1386    173661          0          0          0          0
## 1387     46545          0          0          0          0
## 1388    108673          0          0          0          0
## 1389    114651          0          0          0          0
## 1390    186225          0          0          0          0
## 1391    313686          0          0          0          0
## 1392    160175          0          0          0          0
## 1393    224216          0          0          0          0
## 1394     94506          0          0          0          0
## 1395    177335          0          0          0          0
## 1396    457130          0          0          0          0
## 1397     31564          0          0          0          0
## 1398    138137          0          0          0          0
## 1399    322562          0          0          0          0
## 1400    894113          0          0          0          0
## 1401    388980          0          0          0          0
## 1402     19153          0          0          0          0
## 1403     75372          0          0          0          0
## 1404    160544          0          0          0          0
## 1405     89743          0          0          0          0
## 1406     51014          0          0          0          0
## 1407    237300          0          0          0          0
## 1408     64247          0          0          0          0
## 1409    292435          0          0          0          0
## 1410     82470          0          0          0          0
## 1411    362812          0          0          0          0
## 1412    156239          0          0          0          0
## 1413    187872          0          0          0          0
## 1414    109792          0          0          0          0
## 1415    266502          0          0          0          0
## 1416    308096          0          0          0          0
## 1417    216535          0          0          0          0
## 1418     30165          0          0          0          0
## 1419    111338          0          0          0          0
## 1420    237423          0          0          0          0
## 1421    219496          0          0          0          0
## 1422     56253          0          0          0          0
## 1423    226535          0          0          0          0
## 1424     81347          0          0          0          0
## 1425    238162          0          0          0          0
## 1426    279416          0          0          0          0
## 1427    140611          0          0          0          0
## 1428    140709          0          0          0          0
```

```
## 1429      2213         0         0         0         0
## 1430    126378         0         0         0         0
## 1431    135144         0         0         0         0
## 1432    114719         0         0         0         0
## 1433     42661         1         0         1         2
## 1434         0         0         0         0         0
## 1435         0         0         0         0         0
## 1436         0         0         0         0         0
## 1437         0         0         0         0         0
## 1438         0         0         0         0         0
## 1439         0         0         0         0         0
## 1440         0         0         0         0         0
## 1441         0         0         0         0         0
## 1442      6169         0         0         0         0
## 1443         0         0         0         0         0
## 1444    798191         0         0         0         0
## 1445         0         0         0         0         0
## 1446         0         0         0         0         0
## 1447         0         0         0         0         0
## 1448      4627         0         0         0         0
## 1449      4847         0         0         0         0
## 1450     27165         0         0         0         0
## 1451     33440         0         0         0         0
## 1452     38068         0         0         0         0
## 1453     14902         0         0         0         0
## 1454     14609         0         0         0         0
## 1455      7840         0         0         0         0
## 1456      4686         0         0         0         0
## 1457     10596         0         0         0         0
## 1458     15403         0         0         0         0
## 1459         0         0         0         0         0
## 1460     18344         0         0         0         0
## 1461         0         0         0         0         0
## 1462         0         0         0         0         0
## 1463      4072         0         0         0         0
## 1464     14432         0         0         0         0
## 1465     63551         0         0         0         0
## 1466     92996         0         0         0         0
## 1467    170977         0         0         0         0
## 1468     44594         0         0         0         0
## 1469     60707         0         0         0         0
## 1470    141094         0         0         0         0
## 1471     77557         0         0         0         0
## 1472    217991         0         0         0         0
## 1473    138031         0         0         0         0
## 1474     15450         1         1         0         0
## 1475     12132         1         1         0         1
## 1476     33480         0         2         0         1
## 1477     13853         0         0         0         0
## 1478     22391         0         0         0         0
## 1479     15827         0         0         0         0
## 1480     23715         0         0         0         0
## 1481     39359         0         0         0         0
## 1482     31117         0         0         0         0
```

```
## 1483     10197          0          0          0          0
## 1484     18686          0          0          0          0
## 1485     20321          0          0          0          0
## 1486     35194          0          0          0          0
## 1487     16929          0          0          0          0
## 1488     48126          0          0          0          0
## 1489     11594          0          0          0          0
## 1490      8405          0          0          0          0
## 1491     40203          0          0          0          0
## 1492         0          0          0          0          0
## 1493         0          0          0          0          0
## 1494         0          0          0          0          0
## 1495         0          0          0          0          0
## 1496         0          0          0          0          0
## 1497      6313          0          0          0          0
## 1498     15758          0          0          0          0
## 1499         0          0          0          0          0
## 1500    255628          0          0          0          0
## 1501     45134          0          0          0          0
## 1502      4585          0          0          0          0
## 1503     22767          0          0          0          0
## 1504     15129          0          0          0          0
## 1505      3480          0          0          0          0
## 1506     52807          0          0          0          0
## 1507     14953          0          0          0          0
## 1508     21272          0          0          0          0
## 1509      5972          0          0          0          0
## 1510     24849          0          0          0          0
## 1511     12023          0          0          0          0
## 1512    144563          0          0          0          0
## 1513     31262          0          0          0          0
## 1514    215741          0          0          0          0
## 1515     13848          0          0          0          0
## 1516     11634          0          0          0          0
## 1517    159849          0          0          0          0
## 1518      9747          0          0          0          0
## 1519     51572          0          0          0          0
## 1520     34752          0          0          0          0
## 1521      6974          0          0          0          0
## 1522         0          0          0          0          0
## 1523    266094          0          0          0          0
## 1524      3406          0          0          0          0
## 1525      9770          0          0          0          0
## 1526      8817          0          0          0          0
## 1527      1774          0          0          0          0
## 1528      6362          0          0          0          0
## 1529    145581          0          0          0          0
## 1530     20472          0          0          0          0
## 1531     23955          0          0          0          0
## 1532      5761          0          0          0          0
## 1533     50931          0          0          0          0
## 1534     13904          0          0          0          0
## 1535     23678          0          0          0          0
## 1536     24881          0          0          0          0
```

```
## 1537        0          0        0        0        0
## 1538        0          0        0        0        0
## 1539    28502          0        0        0        0
## 1540    12353          0        0        0        0
## 1541     4367          0        0        0        0
## 1542    47993          0        0        0        0
## 1543     5886          0        0        0        0
## 1544    22520          0        0        0        0
## 1545     6459          0        0        0        0
## 1546     4567          0        0        0        0
## 1547    52971          0        0        0        0
## 1548    29440          0        0        0        0
## 1549    25475          0        0        0        0
## 1550     4578          0        0        0        0
## 1551     4095          0        0        0        0
## 1552     8173          0        0        0        0
## 1553    16278          0        0        0        0
## 1554    38781          0        0        0        0
## 1555    22140          0        0        0        0
## 1556    17284          0        0        0        0
## 1557     9007          0        0        0        0
## 1558    52811          0        0        0        0
## 1559    96924          0        0        0        0
## 1560    29910          0        0        0        0
## 1561    19617          0        0        0        0
## 1562     2750          0        0        0        0
## 1563    12145          0        0        0        0
## 1564    42419          0        0        0        0
## 1565    13183          0        0        0        0
## 1566    78355          0        0        0        0
## 1567   154984          0        0        0        0
## 1568   104504          0        0        0        0
## 1569     2422          0        0        0        0
## 1570    30355          0        0        0        0
## 1571    18997          0        0        0        0
## 1572     6680          0        0        0        0
## 1573    43476          0        0        0        0
## 1574     8156          0        0        0        0
## 1575    29492          0        0        0        0
## 1576    17139          0        0        0        0
## 1577    38984          0        0        0        0
## 1578    41683          0        0        0        0
## 1579    70197          0        0        0        0
## 1580    11734          0        0        0        0
## 1581     5277          0        0        0        0
## 1582    20748          0        0        0        0
## 1583    18541          0        0        0        0
## 1584    14487          0        0        0        0
## 1585     2874          0        0        0        0
## 1586    26822          0        0        0        0
## 1587    41817          0        0        0        0
## 1588     6597          0        0        0        0
## 1589    12037          0        0        0        0
## 1590    20374          0        0        0        0
```

```
## 1591      3767           0           0           0           0
## 1592     10797           0           0           0           0
## 1593     13502           0           0           0           0
## 1594     41957           0           0           0           0
## 1595     84090           0           0           0           0
## 1596     27712           0           0           0           0
## 1597     31591           0           0           0           0
## 1598      9955           0           0           0           0
## 1599         0           0           0           0           0
## 1600    165149           0           0           0           0
## 1601      6352           0           0           0           0
## 1602    381051           0           0           0           0
## 1603     14432           0           0           0           0
## 1604    291638           0           0           0           0
## 1605    477412           0           0           0           0
## 1606    306003           0           0           0           0
## 1607     76058           0           0           0           0
## 1608     68235           0           0           0           0
## 1609     79054           0           0           0           0
## 1610     88089           0           0           0           0
## 1611    208476           0           0           0           0
## 1612    128656           0           0           0           0
## 1613     27844           0           0           0           0
## 1614    204203           0           0           0           0
## 1615    129229           0           0           0           0
## 1616      5991           0           0           0           0
## 1617    275834           0           0           0           0
## 1618     27142           0           0           0           0
## 1619    246453           0           0           0           0
## 1620    226064           0           0           0           0
## 1621    151590           0           0           0           0
## 1622    282961           0           0           0           0
## 1623    253527           0           0           0           0
## 1624    955681           0           0           0           0
## 1625    220507           0           0           0           0
## 1626    268241           0           0           0           0
## 1627         0           0           0           0           0
## 1628     94803           0           0           0           0
## 1629    262265           0           0           0           0
## 1630    359417           0           0           0           0
## 1631         0           0           0           0           0
## 1632         0           0           0           0           0
## 1633      5748           0           0           0           0
## 1634     14593           0           0           0           0
## 1635         0           0           0           0           0
## 1636    100934           0           0           0           0
## 1637         0           0           0           0           0
## 1638         0           0           0           0           0
## 1639         0           0           0           0           0
## 1640         0           0           0           0           0
## 1641         0           0           0           0           0
## 1642         0           0           0           0           0
## 1643         0           0           0           0           0
## 1644         0           0           0           0           0
```

```
## 1645    178098         0         0         0         0
## 1646         0         0         0         0         0
## 1647    224297         0         0         0         0
## 1648    185368         0         0         0         0
## 1649     76182         0         0         0         0
## 1650     16503         0         0         0         0
## 1651    164827         0         0         0         0
## 1652    135112         0         0         0         0
## 1653         0         0         0         0         0
## 1654         0         0         0         0         0
## 1655         0         0         0         0         0
## 1656      7526         0         0         0         0
## 1657     13751         0         0         0         0
## 1658     48535         0         0         0         0
## 1659     39539         0         0         0         0
## 1660    254172         0         0         0         0
## 1661    478469         0         0         0         0
## 1662    348505         0         0         0         0
## 1663     42941         0         0         0         0
## 1664    114092         0         0         0         0
## 1665    378052         0         0         0         0
## 1666    142112         0         0         0         0
## 1667      3647         0         0         0         0
## 1668    209944         0         0         0         0
## 1669    122497         0         0         0         0
## 1670    241933         0         0         0         0
## 1671     97872         0         0         0         0
## 1672     90259         0         0         0         0
## 1673     59215         0         0         0         0
## 1674    181389         0         0         0         0
## 1675     88057         0         0         0         0
## 1676    301461         0         0         0         0
## 1677      9799         0         0         0         0
## 1678    184844         0         0         0         0
## 1679    929734         0         0         0         0
## 1680     27353         0         0         0         0
## 1681    322002         0         0         0         0
## 1682    246668         0         0         0         0
## 1683    506140         0         0         0         0
## 1684    135803         0         0         0         0
## 1685    165182         0         0         0         0
## 1686    190355         0         0         0         0
## 1687     55116         0         0         0         0
## 1688    270400         0         0         0         0
## 1689    312178         0         0         0         0
## 1690     20137         0         0         0         0
## 1691     27549         0         0         0         0
## 1692    265200         0         0         0         0
## 1693      9733         0         0         0         0
## 1694     17541         0         0         0         0
## 1695    204747         0         0         0         0
## 1696     58952         0         0         0         0
## 1697    179471         0         0         0         0
## 1698     25462         0         0         0         0
```

```
## 1699     25129         0         0         0         0
## 1700    484218         0         0         0         0
## 1701     27744         0         0         0         0
## 1702    101221         0         0         0         0
## 1703    210182         0         0         0         0
## 1704    144658         0         0         0         0
## 1705    108882         0         0         0         0
## 1706      3028         0         0         0         0
## 1707     55712         0         0         0         0
## 1708     55271         0         0         0         0
## 1709     21534         0         0         0         0
## 1710     72301         0         0         0         0
## 1711    194094         0         0         0         0
## 1712    185782         0         0         0         0
## 1713    165495         0         0         0         0
## 1714    136596         0         0         0         0
## 1715    144075         0         0         0         0
## 1716    105793         0         0         0         0
## 1717    283510         0         0         0         0
## 1718    225287         0         0         0         0
## 1719     10265         0         0         0         0
## 1720    116244         0         0         0         0
## 1721     66010         0         0         0         0
## 1722     33024         0         0         0         0
## 1723    120494         0         0         0         0
## 1724    376428         0         0         0         0
## 1725    438964         0         0         0         0
## 1726    146829         0         0         0         0
## 1727    229917         0         0         0         0
## 1728      9837         0         0         0         0
## 1729    332882         0         0         0         0
## 1730     97419         0         0         0         0
## 1731    134002         0         0         0         0
## 1732    251509         0         0         0         0
## 1733    295013         0         0         0         0
## 1734      3498         0         0         0         0
## 1735         0         0         0         0         0
## 1736     47789         0         0         0         0
## 1737     18262         0         0         0         0
## 1738         0         0         0         0         0
## 1739    200915         0         0         0         0
## 1740    959774         0         0         0         0
## 1741    257605         0         0         0         0
## 1742    105322         0         0         0         0
## 1743    151698         0         0         0         0
## 1744     10848         0         0         0         0
## 1745         0         0         0         0         0
## 1746    193212         0         0         0         0
## 1747    108449         0         0         0         0
## 1748         0         0         0         0         0
## 1749         0         0         0         0         0
## 1750         0         0         0         0         0
## 1751     21708         0         0         0         0
## 1752      5939         0         0         0         0
```

```
## 1753    116694        0        0        0        0
## 1754    199925        0        0        0        0
## 1755     10085        0        0        0        0
## 1756     20757        0        0        0        0
## 1757    246302        0        0        0        0
## 1758      1828        0        0        0        0
## 1759     36120        0        0        0        0
## 1760     24704        0        0        0        0
## 1761     12467        0        0        0        0
## 1762     50678        0        0        0        0
## 1763      5403        1        2        1        2
## 1764     25402        1        1        0        0
## 1765     28093        0        0        0        0
## 1766     23408        0        0        0        0
## 1767     42882        0        0        0        0
## 1768      4421        0        0        0        0
## 1769      7202        0        0        0        0
## 1770     12323        0        0        0        0
## 1771     20427        0        0        0        0
## 1772      8136        0        0        0        0
## 1773     29851        0        0        0        0
## 1774     51712        0        0        0        0
## 1775      1560        0        0        0        0
## 1776     43815        0        0        0        0
## 1777     11920        0        0        0        0
## 1778      8582        0        0        0        0
## 1779     10217        0        0        0        0
## 1780     11191        0        0        0        0
## 1781     48666        0        0        0        0
## 1782      9749        0        0        0        0
## 1783     40896        0        0        0        0
## 1784     28434        0        0        0        0
## 1785     13319        0        0        0        0
## 1786      4858        0        0        0        0
## 1787       965        0        0        0        0
## 1788       799        0        0        0        0
## 1789      5647        0        0        0        0
## 1790     23519        0        0        0        0
## 1791     22749        0        0        0        0
## 1792     18427        0        0        0        0
## 1793      9188        0        0        0        0
## 1794      8769        0        0        0        0
## 1795     36435        0        0        0        0
## 1796     25346        0        0        0        0
## 1797     25046        0        0        0        0
## 1798     26397        2        2        0        2
## 1799      8528        1        1        1        1
## 1800     14113        0        0        0        0
## 1801     10681        0        0        0        0
## 1802      9541        0        0        0        0
## 1803     34755        0        0        0        0
## 1804     41273        0        0        0        0
## 1805     10835        0        0        0        0
## 1806     25619        0        0        0        0
```

```
## 1807     22870          0          0          0          0
## 1808      8166          0          0          0          0
## 1809     13247          0          0          0          0
## 1810     18771          0          0          0          0
## 1811      3040          0          0          0          0
## 1812     39779          0          0          0          0
## 1813     41875          0          0          0          0
## 1814       806          0          0          0          0
## 1815      8502          0          0          0          0
## 1816      3913          0          0          0          0
## 1817       261          0          0          0          0
## 1818      1236          0          0          0          0
## 1819      7480          0          0          0          0
## 1820      5930          0          0          0          0
## 1821    179263          1          2          0          1
## 1822    129042          1          1          0          1
## 1823    649261          1          0          0          0
## 1824    235785          2          0          0          0
## 1825    194062          0          0          0          0
## 1826     49486          1          3          0          1
## 1827    244795          0          2          1          1
## 1828      8461          0          0          0          0
## 1829         0          0          0          0          0
## 1830         0          0          0          0          0
## 1831         0          0          0          0          0
## 1832     23074          0          0          0          0
## 1833     18509          0          0          0          0
## 1834     18794          0          0          0          0
## 1835      5880          0          0          0          0
## 1836     29546          0          0          0          0
## 1837     17159          0          0          0          0
## 1838     23294          0          0          0          0
## 1839     26753          0          0          0          0
## 1840     45627          0          0          0          0
## 1841     17699          3          1          2          3
## 1842     18829          0          0          0          0
## 1843    129636          0          0          0          0
## 1844    270300          0          0          0          0
## 1845    171021          0          0          0          0
## 1846     40422          0          0          0          0
## 1847    147233          0          0          0          0
## 1848     60119          0          0          0          0
## 1849    129887          0          0          0          0
## 1850    127550          0          0          0          0
## 1851    142636          0          0          0          0
## 1852    185936          0          0          0          0
## 1853    514550          0          0          0          0
## 1854    122849          0          0          0          0
## 1855     70729          0          0          0          0
## 1856    181215          0          0          0          0
## 1857     40435          0          0          0          0
## 1858    131024          0          0          0          0
## 1859    143211          0          0          0          0
## 1860    229628          0          0          0          0
```

```
## 1861      5626        0        0        0        0
## 1862     35616        0        0        0        0
## 1863    134774        0        0        0        0
## 1864    121303        0        0        0        0
## 1865    399345        0        0        0        0
## 1866    327342        0        0        0        0
## 1867    118295        0        0        0        0
## 1868     81997        0        0        0        0
## 1869      3537        0        0        0        0
## 1870    160205        0        0        0        0
## 1871    260021        0        0        0        0
## 1872    174384        0        0        0        0
## 1873     10007        0        0        0        0
## 1874     24933        0        0        0        0
## 1875     75343        0        0        0        0
## 1876    148153        0        0        0        0
## 1877     42880        0        0        0        0
## 1878     24792        0        0        0        0
## 1879    114891        0        0        0        0
## 1880    168907        0        0        0        0
## 1881    209293        0        0        0        0
## 1882    365179        0        0        0        0
## 1883     39084        0        0        0        0
## 1884    202879        0        0        0        0
## 1885     12082        0        0        0        0
## 1886     45134        0        0        0        0
## 1887    353582        0        0        0        0
## 1888     82459        0        0        0        0
## 1889    460713        0        0        0        0
## 1890     12372        0        0        0        0
## 1891    170873        0        0        0        0
## 1892    151684        0        0        0        0
## 1893     39339        0        0        0        0
## 1894    146011        0        0        0        0
## 1895    349314        0        0        0        0
## 1896     90858        0        0        0        0
## 1897    259681        0        0        0        0
## 1898     92863        0        0        0        0
## 1899    636309        0        0        0        0
## 1900    374142        0        0        0        0
## 1901    134598        0        0        0        0
## 1902    107570        0        0        0        0
## 1903    301390        0        0        0        0
## 1904     10248        0        0        0        0
## 1905     16358        0        0        0        0
## 1906    157451        0        0        0        0
## 1907    142803        0        0        0        0
## 1908     70951        0        0        0        0
## 1909    103503        0        0        0        0
## 1910     16831        0        0        0        0
## 1911    298673        0        0        0        0
## 1912     18862        0        0        0        0
## 1913    143073        0        0        0        0
## 1914     13739        0        0        0        0
```

```
## 1915      47761           0           0           0           0
## 1916     102758           0           0           0           0
## 1917     287818           0           0           0           0
## 1918      98715           0           0           0           0
## 1919      18738           0           0           0           0
## 1920     245492           0           0           0           0
## 1921     140979           0           0           0           0
## 1922     240734           0           0           0           0
## 1923     151462           0           0           0           0
## 1924     370852           0           0           0           0
## 1925      84366           0           0           0           0
## 1926     166240           0           0           0           0
## 1927      93698           0           0           0           0
## 1928     323048           0           0           0           0
## 1929     221036           0           0           0           0
## 1930     165716           0           0           0           0
## 1931     227915           0           0           0           0
## 1932      31199           0           0           0           0
## 1933     194370           0           0           0           0
## 1934     289090           0           0           0           0
## 1935     323090           0           0           0           0
## 1936     239408           0           0           0           0
## 1937     205973           0           0           0           0
## 1938     177306           0           0           0           0
## 1939      22196           0           0           0           0
## 1940      53334           0           0           0           0
## 1941     115892           0           0           0           0
## 1942     229312           0           0           0           0
## 1943     152914           0           0           0           0
## 1944      83532           0           0           0           0
## 1945       8449           0           0           0           0
## 1946     307370           0           0           0           0
## 1947     120532           0           0           0           0
## 1948     154765           0           0           0           0
## 1949     186921           0           0           0           0
## 1950     586358           0           0           0           0
## 1951     282928           0           0           0           0
## 1952      78131           0           0           0           0
## 1953     120552           0           0           0           0
## 1954     119227           0           0           0           0
## 1955     491665           0           0           0           0
## 1956      78015           0           0           0           0
## 1957     205161           0           0           0           0
## 1958     163803           0           0           0           0
## 1959     162084           0           0           0           0
## 1960     307981           0           0           0           0
## 1961     145605           0           0           0           0
## 1962     131403           0           0           0           0
## 1963      97958           0           0           0           0
## 1964      34051           0           0           0           0
## 1965     219815           0           0           0           0
## 1966      18798           0           0           0           0
## 1967      15941           0           0           0           0
## 1968      43851           0           0           0           0
```

```
## 1969   173667        0        0        0        0
## 1970   204611        0        0        0        0
## 1971   268564        0        0        0        0
## 1972    36386        0        0        0        0
## 1973   163809        0        0        0        0
## 1974   144920        0        0        0        0
## 1975     8284        0        0        0        0
## 1976    43259        0        0        0        0
## 1977    14623        0        0        0        0
## 1978     4648        0        0        0        0
## 1979   133412        0        0        0        0
## 1980     2134        0        0        0        0
## 1981    22602        0        0        0        0
## 1982    15891        0        0        0        0
## 1983   291728        0        0        0        0
## 1984   102401        0        0        0        0
## 1985   142502        0        0        0        0
## 1986   296810        0        0        0        0
## 1987    67335        0        0        0        0
## 1988   220012        0        0        0        0
## 1989    15503        0        0        0        0
## 1990    57088        0        0        0        0
## 1991   283507        0        0        0        0
## 1992   209209        0        0        0        0
## 1993    66864        0        0        0        0
## 1994   298682        0        0        0        0
## 1995    49661        0        0        0        0
## 1996    66511        0        0        0        0
## 1997    28019        0        0        0        0
## 1998   122922        0        0        0        0
## 1999   187682        0        0        0        0
## 2000    64518        0        0        0        0
## 2001    92479        0        0        0        0
## 2002    89248        0        0        0        0
## 2003   222552        0        0        0        0
## 2004   161518        0        0        0        0
## 2005   218671        0        0        0        0
## 2006   106555        0        0        0        0
## 2007    40671        0        0        0        0
## 2008    30231        0        0        0        0
## 2009    12613        0        0        0        0
## 2010   427600        0        0        0        0
## 2011   203330        0        0        0        0
## 2012    59757        0        0        0        0
## 2013   129068        0        0        0        0
## 2014   126935        0        0        0        0
## 2015    41730        0        0        0        0
## 2016   153710        0        0        0        0
## 2017   295000        0        0        0        0
## 2018    83571        0        0        0        0
## 2019   117672        0        0        0        0
## 2020    76631        0        0        0        0
## 2021   220307        0        0        0        0
## 2022   114362        0        0        0        0
```

```
## 2023      154188        0        0        0        0
## 2024       41816        0        0        0        0
## 2025      149204        0        0        0        0
## 2026        5302        0        0        0        0
## 2027       33422        0        0        0        0
## 2028      149971        0        0        0        0
## 2029       42708        0        0        0        0
## 2030      209178        0        0        0        0
## 2031       47253        0        0        0        0
## 2032      214457        0        0        0        0
## 2033       60327        0        0        0        0
## 2034        9370        0        0        0        0
## 2035      326225        1        0        0        0
## 2036       51065        4        3        1        1
## 2037       46104        5        1        1        1
## 2038       85317        0        0        0        0
## 2039      130897        0        0        0        0
## 2040       86595        0        0        0        0
## 2041      171433        0        0        0        0
## 2042      191897        0        0        0        0
## 2043       59664        0        0        0        0
## 2044      134524        0        0        0        0
## 2045       94458        0        0        0        0
## 2046      141866        0        0        0        0
## 2047       94937        0        0        0        0
## 2048        6395        0        0        0        0
## 2049      185182        0        0        0        0
## 2050      369826        0        0        0        0
## 2051           0        0        0        0        0
## 2052           0        0        0        0        0
## 2053           0        0        0        0        0
## 2054           0        0        0        0        0
## 2055           0        0        0        0        0
## 2056       92305        0        0        0        0
## 2057           0        0        0        0        0
## 2058       68365        0        0        0        0
## 2059       13984        0        0        0        0
## 2060       26912        0        0        0        0
## 2061      141256        0        0        0        0
## 2062      122225        0        0        0        0
## 2063      121363        0        0        0        0
## 2064      164001        0        0        0        0
## 2065       22828        0        0        0        0
## 2066       66697        0        0        0        0
## 2067      167560        0        0        0        0
## 2068      180086        0        0        0        0
## 2069           0        0        0        0        0
## 2070           0        0        0        0        0
## 2071           0        0        0        0        0
## 2072           0        0        0        0        0
## 2073       47856        0        0        0        0
## 2074           0        0        0        0        0
## 2075       34721        0        0        0        0
## 2076      355754        0        0        0        0
```

```
## 2077       109481              0              0              0              0
## 2078       127755              0              0              0              0
## 2079       386105              0              0              0              0
## 2080       183571              0              0              0              0
## 2081        56475              0              0              0              0
## 2082       267546              0              0              0              0
## 2083        77508              0              0              0              0
## 2084        33663              0              0              0              0
## 2085        13159              0              0              0              0
## 2086        23264              0              0              0              0
## 2087         4219              0              0              0              0
## 2088        27939              0              0              0              0
## 2089       279885              0              0              0              0
## 2090       430819              0              0              0              0
## 2091       296155              0              0              0              0
## 2092       313696              0              0              0              0
## 2093       172536              0              0              0              0
## 2094        35011              0              0              0              0
## 2095       160491              0              0              0              0
## 2096       141736              0              0              0              0
## 2097        97436              0              0              0              0
## 2098       281984              0              0              0              0
## 2099            0              0              0              0              0
## 2100         2999              0              0              0              0
## 2101            0              0              0              0              0
## 2102       117721              0              0              0              0
## 2103            0              0              0              0              0
## 2104            0              0              0              0              0
## 2105            0              0              0              0              0
## 2106            0              0              0              0              0
## 2107            0              0              0              0              0
## 2108            0              0              0              0              0
## 2109            0              0              0              0              0
## 2110        33156              0              0              0              0
## 2111       240742              0              0              0              0
## 2112         9314              0              0              0              0
## 2113       205136              0              0              0              0
## 2114        37053              0              0              0              0
## 2115       161684              0              0              0              0
## 2116       255706              0              0              0              0
## 2117        34761              0              0              0              0
## 2118       225511              0              0              0              0
## 2119        98542              0              0              0              0
## 2120       106273              0              0              0              0
## 2121        11444              0              0              0              0
## 2122         6596              0              0              0              0
## 2123       137675              0              0              0              0
## 2124       180214              0              0              0              0
## 2125            0              0              0              0              0
## 2126        66749              0              0              0              0
## 2127       155833              0              0              0              0
##      mths_since_rcnt_il total_bal_il il_util open_rv_12m open_rv_24m max_bal_bc
## 1                     8       101301    79.0           0           0       2696
## 2                     0            0     0.0           0           0          0
```

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```
## 3                     0           0     0.0          0          0          0
## 4                     0           0     0.0          0          0          0
## 5                     0           0     0.0          0          0          0
## 6                     0           0     0.0          0          0          0
## 7                     0           0     0.0          0          0          0
## 8                     0           0     0.0          0          0          0
## 9                     0           0     0.0          0          0          0
## 10                    0           0     0.0          0          0          0
## 11                    0           0     0.0          0          0          0
## 12                    0           0     0.0          0          0          0
## 13                    0           0     0.0          0          0          0
## 14                    0           0     0.0          0          0          0
## 15                    0           0     0.0          0          0          0
## 16                    0           0     0.0          0          0          0
## 17                    0           0     0.0          0          0          0
## 18                    0           0     0.0          0          0          0
## 19                    7       38832    77.5          0          0       5001
## 20                    1      154585    87.1          0          0       3520
## 21                   11           0     0.0          1          4       1635
## 22                    0           0     0.0          0          0          0
## 23                    0           0     0.0          0          0          0
## 24                    0           0     0.0          0          0          0
## 25                    0           0     0.0          0          0          0
## 26                    0           0     0.0          0          0          0
## 27                    0           0     0.0          0          0          0
## 28                    0           0     0.0          0          0          0
## 29                    0           0     0.0          0          0          0
## 30                    0           0     0.0          0          0          0
## 31                    0           0     0.0          0          0          0
## 32                    0           0     0.0          0          0          0
## 33                    0           0     0.0          0          0          0
## 34                    0           0     0.0          0          0          0
## 35                    0           0     0.0          0          0          0
## 36                    0           0     0.0          0          0          0
## 37                    0           0     0.0          0          0          0
## 38                    0           0     0.0          0          0          0
## 39                    0           0     0.0          0          0          0
## 40                    0           0     0.0          0          0          0
## 41                  122           0     0.0          1          1       7007
## 42                    0           0     0.0          0          0          0
## 43                    0           0     0.0          0          0          0
## 44                    0           0     0.0          0          0          0
## 45                    0           0     0.0          0          0          0
## 46                    0           0     0.0          0          0          0
## 47                    0           0     0.0          0          0          0
## 48                    0           0     0.0          0          0          0
## 49                    0           0     0.0          0          0          0
## 50                    0           0     0.0          0          0          0
## 51                    0           0     0.0          0          0          0
## 52                    0           0     0.0          0          0          0
## 53                    0           0     0.0          0          0          0
## 54                    0           0     0.0          0          0          0
## 55                    0           0     0.0          0          0          0
## 56                    0           0     0.0          0          0          0
```

```
## 57                    0         0      0.0         0         0         0
## 58                    0         0      0.0         0         0         0
## 59                    0         0      0.0         0         0         0
## 60                    0         0      0.0         0         0         0
## 61                    0         0      0.0         0         0         0
## 62                    0         0      0.0         0         0         0
## 63                    0         0      0.0         0         0         0
## 64                    0         0      0.0         0         0         0
## 65                    0         0      0.0         0         0         0
## 66                    0         0      0.0         0         0         0
## 67                    0         0      0.0         0         0         0
## 68                    0         0      0.0         0         0         0
## 69                    0         0      0.0         0         0         0
## 70                    0         0      0.0         0         0         0
## 71                    0         0      0.0         0         0         0
## 72                    0         0      0.0         0         0         0
## 73                    0         0      0.0         0         0         0
## 74                    0         0      0.0         0         0         0
## 75                    0         0      0.0         0         0         0
## 76                    0         0      0.0         0         0         0
## 77                    0         0      0.0         0         0         0
## 78                    0         0      0.0         0         0         0
## 79                    0         0      0.0         0         0         0
## 80                    0         0      0.0         0         0         0
## 81                    0         0      0.0         0         0         0
## 82                   24     28485     57.7         1         2      5091
## 83                    0         0      0.0         0         0         0
## 84                    0         0      0.0         0         0         0
## 85                    0         0      0.0         0         0         0
## 86                    0         0      0.0         0         0         0
## 87                    0         0      0.0         0         0         0
## 88                    0         0      0.0         0         0         0
## 89                    0         0      0.0         0         0         0
## 90                    0         0      0.0         0         0         0
## 91                    0         0      0.0         0         0         0
## 92                    0         0      0.0         0         0         0
## 93                    0         0      0.0         0         0         0
## 94                    0         0      0.0         0         0         0
## 95                    0         0      0.0         0         0         0
## 96                    0         0      0.0         0         0         0
## 97                    0         0      0.0         0         0         0
## 98                    0         0      0.0         0         0         0
## 99                    0         0      0.0         0         0         0
## 100                   0         0      0.0         0         0         0
## 101                   0         0      0.0         0         0         0
## 102                   0         0      0.0         0         0         0
## 103                   0         0      0.0         0         0         0
## 104                   0         0      0.0         0         0         0
## 105                   0         0      0.0         0         0         0
## 106                   0         0      0.0         0         0         0
## 107                   0         0      0.0         0         0         0
## 108                   0         0      0.0         0         0         0
## 109                   0         0      0.0         0         0         0
## 110                   0         0      0.0         0         0         0
```

```
## 111                0             0       0.0             0             0             0
## 112                0             0       0.0             0             0             0
## 113                0             0       0.0             0             0             0
## 114                0             0       0.0             0             0             0
## 115                0             0       0.0             0             0             0
## 116                0             0       0.0             0             0             0
## 117                0             0       0.0             0             0             0
## 118                0             0       0.0             0             0             0
## 119                0             0       0.0             0             0             0
## 120                0             0       0.0             0             0             0
## 121               52          1004      15.4             0             0          1970
## 122                0             0       0.0             0             0             0
## 123                0             0       0.0             0             0             0
## 124                0             0       0.0             0             0             0
## 125                0             0       0.0             0             0             0
## 126                0             0       0.0             0             0             0
## 127                0             0       0.0             0             0             0
## 128                0             0       0.0             0             0             0
## 129                0             0       0.0             0             0             0
## 130                0             0       0.0             0             0             0
## 131                0             0       0.0             0             0             0
## 132                0             0       0.0             0             0             0
## 133                0             0       0.0             0             0             0
## 134                0             0       0.0             0             0             0
## 135                0             0       0.0             0             0             0
## 136                0             0       0.0             0             0             0
## 137                0             0       0.0             0             0             0
## 138                0             0       0.0             0             0             0
## 139                0             0       0.0             0             1          5700
## 140               15         36829      67.5             2             5          5226
## 141               13          4096      35.3             1             2          5105
## 142               13         34552       0.0             2             3          5272
## 143              158             0       0.0             1             4          2299
## 144               14         20619      82.5             2             3          9940
## 145               41        102386      90.9             2             2         10120
## 146                0             0       0.0             0             0             0
## 147                0             0       0.0             0             0             0
## 148                0             0       0.0             0             0             0
## 149                0             0       0.0             0             0             0
## 150                0             0       0.0             0             0             0
## 151                0             0       0.0             0             0             0
## 152                0             0       0.0             0             0             0
## 153                0             0       0.0             0             0             0
## 154                0             0       0.0             0             0             0
## 155                0             0       0.0             0             0             0
## 156                0             0       0.0             0             0             0
## 157                0             0       0.0             0             0             0
## 158                0             0       0.0             0             0             0
## 159                0             0       0.0             0             0             0
## 160                0             0       0.0             0             0             0
## 161                0             0       0.0             0             0             0
## 162                0             0       0.0             0             0             0
## 163                0             0       0.0             0             0             0
## 164                0             0       0.0             0             0             0
```

```
## 165            0        0    0.0         0        0         0
## 166            0        0    0.0         0        0         0
## 167            0        0    0.0         0        0         0
## 168            0        0    0.0         0        0         0
## 169           28    15402   64.4         2        3     20011
## 170            0        0    0.0         0        0         0
## 171            0        0    0.0         0        0         0
## 172            0        0    0.0         0        0         0
## 173            0        0    0.0         0        0         0
## 174            0        0    0.0         0        0         0
## 175            0        0    0.0         0        0         0
## 176            0        0    0.0         0        0         0
## 177            0        0    0.0         0        0         0
## 178            0        0    0.0         0        0         0
## 179            0        0    0.0         0        0         0
## 180            0        0    0.0         0        0         0
## 181            0        0    0.0         0        0         0
## 182            0        0    0.0         0        0         0
## 183            0        0    0.0         0        0         0
## 184            0        0    0.0         0        0         0
## 185            0        0    0.0         0        0         0
## 186            0        0    0.0         0        0         0
## 187            0        0    0.0         0        0         0
## 188            0        0    0.0         0        0         0
## 189            0        0    0.0         0        0         0
## 190            0        0    0.0         0        0         0
## 191            0        0    0.0         0        0         0
## 192            0        0    0.0         0        0         0
## 193            0        0    0.0         0        0         0
## 194            0        0    0.0         0        0         0
## 195            0        0    0.0         0        0         0
## 196            0        0    0.0         0        0         0
## 197            0        0    0.0         0        0         0
## 198            0        0    0.0         0        0         0
## 199            0        0    0.0         0        0         0
## 200            0        0    0.0         0        0         0
## 201            0        0    0.0         0        0         0
## 202            0        0    0.0         0        0         0
## 203            0        0    0.0         0        0         0
## 204            0        0    0.0         0        0         0
## 205            0        0    0.0         0        0         0
## 206            0        0    0.0         0        0         0
## 207            0        0    0.0         0        0         0
## 208            0        0    0.0         0        0         0
## 209            0        0    0.0         0        0         0
## 210            0        0    0.0         0        0         0
## 211            0        0    0.0         0        0         0
## 212            0        0    0.0         0        0         0
## 213            0        0    0.0         0        0         0
## 214            0        0    0.0         0        0         0
## 215            0        0    0.0         0        0         0
## 216            0        0    0.0         0        0         0
## 217            0        0    0.0         0        0         0
## 218            0        0    0.0         0        0         0
```

```
## 219                   0           0     0.0           0           0           0
## 220                   0           0     0.0           0           0           0
## 221                   0           0     0.0           0           0           0
## 222                   0           0     0.0           0           0           0
## 223                   0           0     0.0           0           0           0
## 224                   0           0     0.0           0           0           0
## 225                   0           0     0.0           0           0           0
## 226                   0           0     0.0           0           0           0
## 227                   0           0     0.0           0           0           0
## 228                   0           0     0.0           0           0           0
## 229                   0           0     0.0           0           0           0
## 230                   0           0     0.0           0           0           0
## 231                   0           0     0.0           0           0           0
## 232                   0           0     0.0           0           0           0
## 233                   0           0     0.0           0           0           0
## 234                   0           0     0.0           0           0           0
## 235                   0           0     0.0           0           0           0
## 236                   0           0     0.0           0           0           0
## 237                   0           0     0.0           0           0           0
## 238                   0           0     0.0           0           0           0
## 239                   0           0     0.0           0           0           0
## 240                   0           0     0.0           0           0           0
## 241                   0           0     0.0           0           0           0
## 242                   0           0     0.0           0           0           0
## 243                   0           0     0.0           0           0           0
## 244                   0           0     0.0           0           0           0
## 245                   0           0     0.0           0           0           0
## 246                   0           0     0.0           0           0           0
## 247                   0           0     0.0           0           0           0
## 248                   0           0     0.0           0           0           0
## 249                   0           0     0.0           0           0           0
## 250                   0           0     0.0           0           0           0
## 251                   0           0     0.0           0           0           0
## 252                   0           0     0.0           0           0           0
## 253                  17       21411    81.9           2           6        3458
## 254                 138           0     0.0           0           2        5782
## 255                   0           0     0.0           0           0           0
## 256                   0           0     0.0           0           0           0
## 257                   0           0     0.0           0           0           0
## 258                   0           0     0.0           0           0           0
## 259                   0           0     0.0           0           0           0
## 260                   0           0     0.0           0           0           0
## 261                   0           0     0.0           0           0           0
## 262                   0           0     0.0           0           0           0
## 263                   0           0     0.0           0           0           0
## 264                   0           0     0.0           0           0           0
## 265                   0           0     0.0           0           0           0
## 266                   0           0     0.0           0           0           0
## 267                   0           0     0.0           0           0           0
## 268                   0           0     0.0           0           0           0
## 269                   0           0     0.0           0           0           0
## 270                   0           0     0.0           0           0           0
## 271                   0           0     0.0           0           0           0
## 272                   0           0     0.0           0           0           0
```

```
## 273                0          0    0.0          0          0          0
## 274                0          0    0.0          0          0          0
## 275                0          0    0.0          0          0          0
## 276                0          0    0.0          0          0          0
## 277                0          0    0.0          0          0          0
## 278                0          0    0.0          0          0          0
## 279                0          0    0.0          0          0          0
## 280                0          0    0.0          0          0          0
## 281                0          0    0.0          0          0          0
## 282                0          0    0.0          0          0          0
## 283                0          0    0.0          0          0          0
## 284                0          0    0.0          0          0          0
## 285                0          0    0.0          0          0          0
## 286                0          0    0.0          0          0          0
## 287                0          0    0.0          0          0          0
## 288                0          0    0.0          0          0          0
## 289                0          0    0.0          0          0          0
## 290                0          0    0.0          0          0          0
## 291                0          0    0.0          0          0          0
## 292                0          0    0.0          0          0          0
## 293                0          0    0.0          0          0          0
## 294                0          0    0.0          0          0          0
## 295                0          0    0.0          0          0          0
## 296                0          0    0.0          0          0          0
## 297                0          0    0.0          0          0          0
## 298                0          0    0.0          0          0          0
## 299                0          0    0.0          0          0          0
## 300                0          0    0.0          0          0          0
## 301                0          0    0.0          0          0          0
## 302                0          0    0.0          0          0          0
## 303                0          0    0.0          0          0          0
## 304                0          0    0.0          0          0          0
## 305                0          0    0.0          0          0          0
## 306                0          0    0.0          0          0          0
## 307                0          0    0.0          0          0          0
## 308                0          0    0.0          0          0          0
## 309                0          0    0.0          0          0          0
## 310                0          0    0.0          0          0          0
## 311                0          0    0.0          0          0          0
## 312                0          0    0.0          0          0          0
## 313                0          0    0.0          0          0          0
## 314                0          0    0.0          0          0          0
## 315                0          0    0.0          0          0          0
## 316                0          0    0.0          0          0          0
## 317                0          0    0.0          0          0          0
## 318                0          0    0.0          0          0          0
## 319                0          0    0.0          0          0          0
## 320                0          0    0.0          0          0          0
## 321                0          0    0.0          0          0          0
## 322                0          0    0.0          0          0          0
## 323                0          0    0.0          0          0          0
## 324                0          0    0.0          0          0          0
## 325                0          0    0.0          0          0          0
## 326                0          0    0.0          0          0          0
```

```
## 327              0        0    0.0        0        0        0
## 328              0        0    0.0        0        0        0
## 329              0        0    0.0        0        0        0
## 330              0        0    0.0        0        0        0
## 331              0        0    0.0        0        0        0
## 332              0        0    0.0        0        0        0
## 333              0        0    0.0        0        0        0
## 334              0        0    0.0        0        0        0
## 335              0        0    0.0        0        0        0
## 336              0        0    0.0        0        0        0
## 337              0        0    0.0        0        0        0
## 338              0        0    0.0        0        0        0
## 339              0        0    0.0        0        0        0
## 340              0        0    0.0        0        0        0
## 341              0        0    0.0        0        0        0
## 342              0        0    0.0        0        0        0
## 343              0        0    0.0        0        0        0
## 344              0        0    0.0        0        0        0
## 345              0        0    0.0        0        0        0
## 346              0        0    0.0        0        0        0
## 347              0        0    0.0        0        0        0
## 348              0        0    0.0        0        0        0
## 349              0        0    0.0        0        0        0
## 350              0        0    0.0        0        0        0
## 351              0        0    0.0        0        0        0
## 352              0        0    0.0        0        0        0
## 353              0        0    0.0        0        0        0
## 354              0        0    0.0        0        0        0
## 355              0        0    0.0        0        0        0
## 356              0        0    0.0        0        0        0
## 357              0        0    0.0        0        0        0
## 358              0        0    0.0        0        0        0
## 359              0        0    0.0        0        0        0
## 360              0        0    0.0        0        0        0
## 361              0        0    0.0        0        0        0
## 362              0        0    0.0        0        0        0
## 363              0        0    0.0        0        0        0
## 364              0        0    0.0        0        0        0
## 365              0        0    0.0        0        0        0
## 366              0        0    0.0        0        0        0
## 367             56     4788   28.9        0        0     4061
## 368             21        0    0.0        4       11     3705
## 369            168        0    0.0        2        5     2593
## 370              0        0    0.0        0        0        0
## 371              0        0    0.0        0        0        0
## 372              0        0    0.0        0        0        0
## 373              0        0    0.0        0        0        0
## 374              0        0    0.0        0        0        0
## 375              0        0    0.0        0        0        0
## 376              0        0    0.0        0        0        0
## 377              0        0    0.0        0        0        0
## 378              0        0    0.0        0        0        0
## 379              0        0    0.0        0        0        0
## 380              0        0    0.0        0        0        0
```

```
## 381          0          0    0.0          0          0          0
## 382          5      39460   91.7          1          1       7673
## 383          1      90615   87.0          0          2          0
## 384          3      26881   68.1          1          3       1537
## 385          8          0    0.0          1          2        160
## 386          0          0    0.0          0          0          0
## 387         90          0    0.0          0          0        863
## 388          0          0    0.0          0          0          0
## 389          0          0    0.0          0          0          0
## 390          0          0    0.0          0          0          0
## 391          0          0    0.0          0          0          0
## 392          0          0    0.0          0          0          0
## 393          7      74212   85.7          1          1       2928
## 394          0          0    0.0          0          0          0
## 395          0          0    0.0          0          0          0
## 396          0          0    0.0          0          0          0
## 397          0          0    0.0          0          0          0
## 398          0          0    0.0          0          0          0
## 399          0          0    0.0          0          0          0
## 400          0          0    0.0          0          0          0
## 401          0          0    0.0          0          0          0
## 402          0          0    0.0          0          0          0
## 403          0          0    0.0          0          0          0
## 404          0          0    0.0          0          0          0
## 405          0          0    0.0          0          0          0
## 406          0          0    0.0          0          0          0
## 407          0          0    0.0          0          0          0
## 408          0          0    0.0          0          0          0
## 409          0          0    0.0          0          0          0
## 410          0          0    0.0          0          0          0
## 411          0          0    0.0          0          0          0
## 412          0          0    0.0          0          0          0
## 413          0          0    0.0          0          0          0
## 414          0          0    0.0          0          0          0
## 415          0          0    0.0          0          0          0
## 416          0          0    0.0          0          0          0
## 417          0          0    0.0          0          0          0
## 418          0          0    0.0          0          0          0
## 419          0          0    0.0          0          0          0
## 420          0          0    0.0          0          0          0
## 421          0          0    0.0          0          0          0
## 422          0          0    0.0          0          0          0
## 423          0          0    0.0          0          0          0
## 424          0          0    0.0          0          0          0
## 425          0          0    0.0          0          0          0
## 426          0          0    0.0          0          0          0
## 427          0          0    0.0          0          0          0
## 428          0          0    0.0          0          0          0
## 429          0          0    0.0          0          0          0
## 430          0          0    0.0          0          0          0
## 431          0          0    0.0          0          0          0
## 432          0          0    0.0          0          0          0
## 433          0          0    0.0          0          0          0
## 434          0          0    0.0          0          0          0
```

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## 435          0          0     0.0          0          0          0
## 436          0          0     0.0          0          0          0
## 437          0          0     0.0          0          0          0
## 438          0          0     0.0          0          0          0
## 439          0          0     0.0          0          0          0
## 440          0          0     0.0          0          0          0
## 441          0          0     0.0          0          0          0
## 442          0          0     0.0          0          0          0
## 443          0          0     0.0          0          0          0
## 444          0          0     0.0          0          0          0
## 445          0          0     0.0          0          0          0
## 446          0          0     0.0          0          0          0
## 447          0          0     0.0          0          0          0
## 448          0          0     0.0          0          0          0
## 449          0          0     0.0          0          0          0
## 450          0          0     0.0          0          0          0
## 451          0          0     0.0          0          0          0
## 452          0          0     0.0          0          0          0
## 453          0          0     0.0          0          0          0
## 454         19      33501    75.2          3          3       1988
## 455         13       7685    76.8          2          5       1654
## 456          4      23409    93.6          2          4       2431
## 457          0          0     0.0          0          0          0
## 458          0          0     0.0          0          0          0
## 459          0          0     0.0          0          0          0
## 460          0          0     0.0          0          0          0
## 461          0          0     0.0          0          0          0
## 462          0          0     0.0          0          0          0
## 463          0          0     0.0          0          0          0
## 464          0          0     0.0          0          0          0
## 465          0          0     0.0          0          0          0
## 466          0          0     0.0          0          0          0
## 467          0          0     0.0          0          0          0
## 468          0          0     0.0          0          0          0
## 469          0          0     0.0          0          0          0
## 470          0          0     0.0          0          0          0
## 471          0          0     0.0          0          0          0
## 472          0          0     0.0          0          0          0
## 473          0          0     0.0          0          0          0
## 474          0          0     0.0          0          0          0
## 475          0          0     0.0          0          0          0
## 476          0          0     0.0          0          0          0
## 477          0          0     0.0          0          0          0
## 478          0          0     0.0          0          0          0
## 479          0          0     0.0          0          0          0
## 480          0          0     0.0          0          0          0
## 481          0          0     0.0          0          0          0
## 482          0          0     0.0          0          0          0
## 483          0          0     0.0          0          0          0
## 484          0          0     0.0          0          0          0
## 485          0          0     0.0          0          0          0
## 486          0          0     0.0          0          0          0
## 487          0          0     0.0          0          0          0
## 488          0          0     0.0          0          0          0
```

```
## 489                      0          0    0.0          0          0          0
## 490                      0          0    0.0          0          0          0
## 491                      0          0    0.0          0          0          0
## 492                      0          0    0.0          0          0          0
## 493                      0          0    0.0          0          0          0
## 494                      0          0    0.0          0          0          0
## 495                      0          0    0.0          0          0          0
## 496                      0          0    0.0          0          0          0
## 497                      0          0    0.0          0          0          0
## 498                      0          0    0.0          0          0          0
## 499                      0          0    0.0          0          0          0
## 500                      0          0    0.0          0          0          0
## 501                      0          0    0.0          0          0          0
## 502                      0          0    0.0          0          0          0
## 503                      0          0    0.0          0          0          0
## 504                      0          0    0.0          0          0          0
## 505                      0          0    0.0          0          0          0
## 506                      0          0    0.0          0          0          0
## 507                      0          0    0.0          0          0          0
## 508                      0          0    0.0          0          0          0
## 509                      0          0    0.0          0          0          0
## 510                      0          0    0.0          0          0          0
## 511                      0          0    0.0          0          0          0
## 512                      0          0    0.0          0          0          0
## 513                      0          0    0.0          0          0          0
## 514                      0          0    0.0          0          0          0
## 515                      0          0    0.0          0          0          0
## 516                      0          0    0.0          0          0          0
## 517                      0          0    0.0          0          0          0
## 518                      0          0    0.0          0          0          0
## 519                      0          0    0.0          0          0          0
## 520                      0          0    0.0          0          0          0
## 521                      0          0    0.0          0          0          0
## 522                      0          0    0.0          0          0          0
## 523                      0          0    0.0          0          0          0
## 524                      0          0    0.0          0          0          0
## 525                      0          0    0.0          0          0          0
## 526                      0          0    0.0          0          0          0
## 527                      0          0    0.0          0          0          0
## 528                      0          0    0.0          0          0          0
## 529                      0          0    0.0          0          0          0
## 530                      0          0    0.0          0          0          0
## 531                      0          0    0.0          0          0          0
## 532                      0          0    0.0          0          0          0
## 533                      0          0    0.0          0          0          0
## 534                     89          0    0.0          3          3      13196
## 535                     33       3847   11.1          2          8       4921
## 536                      0          0    0.0          0          0          0
## 537                      0          0    0.0          0          0          0
## 538                      0          0    0.0          0          0          0
## 539                      0          0    0.0          0          0          0
## 540                      0          0    0.0          0          0          0
## 541                      0          0    0.0          0          0          0
## 542                      0          0    0.0          0          0          0
```

```
## 543            0          0      0.0          0          0          0
## 544            0          0      0.0          0          0          0
## 545            0          0      0.0          0          0          0
## 546            0          0      0.0          0          0          0
## 547            0          0      0.0          0          0          0
## 548            0          0      0.0          0          0          0
## 549            0          0      0.0          0          0          0
## 550            0          0      0.0          0          0          0
## 551            0          0      0.0          0          0          0
## 552            0          0      0.0          0          0          0
## 553            0          0      0.0          0          0          0
## 554            0          0      0.0          0          0          0
## 555            0          0      0.0          0          0          0
## 556            0          0      0.0          0          0          0
## 557            4       6341     74.0          2          3          0
## 558            0          0      0.0          0          0          0
## 559            0          0      0.0          0          0          0
## 560            0          0      0.0          0          0          0
## 561            0          0      0.0          0          0          0
## 562            0          0      0.0          0          0          0
## 563            0          0      0.0          0          0          0
## 564            0          0      0.0          0          0          0
## 565            0          0      0.0          0          0          0
## 566            0          0      0.0          0          0          0
## 567            0          0      0.0          0          0          0
## 568            0          0      0.0          0          0          0
## 569            0          0      0.0          0          0          0
## 570            0          0      0.0          0          0          0
## 571            0          0      0.0          0          0          0
## 572            0          0      0.0          0          0          0
## 573            0          0      0.0          0          0          0
## 574            0          0      0.0          0          0          0
## 575            0          0      0.0          0          0          0
## 576            0          0      0.0          0          0          0
## 577            0          0      0.0          0          0          0
## 578            0          0      0.0          0          0          0
## 579            0          0      0.0          0          0          0
## 580            0          0      0.0          0          0          0
## 581            0          0      0.0          0          0          0
## 582            0          0      0.0          0          0          0
## 583            0          0      0.0          0          0          0
## 584            0          0      0.0          0          0          0
## 585            0          0      0.0          0          0          0
## 586            8       4237     84.7          3          5       1750
## 587            0          0      0.0          0          0          0
## 588            0          0      0.0          0          0          0
## 589            0          0      0.0          0          0          0
## 590            0          0      0.0          0          0          0
## 591            0          0      0.0          0          0          0
## 592            0          0      0.0          0          0          0
## 593            0          0      0.0          0          0          0
## 594            0          0      0.0          0          0          0
## 595            0          0      0.0          0          0          0
## 596            0          0      0.0          0          0          0
```

```
## 597                      0            0      0.0          0             0             0
## 598                      0            0      0.0          0             0             0
## 599                      0            0      0.0          0             0             0
## 600                      0            0      0.0          0             0             0
## 601                      0            0      0.0          0             0             0
## 602                      0            0      0.0          0             0             0
## 603                      0            0      0.0          0             0             0
## 604                      0            0      0.0          0             0             0
## 605                      0            0      0.0          0             0             0
## 606                      0            0      0.0          0             0             0
## 607                      0            0      0.0          0             0             0
## 608                      0            0      0.0          0             0             0
## 609                      0            0      0.0          0             0             0
## 610                      0            0      0.0          0             0             0
## 611                      0            0      0.0          0             0             0
## 612                      0            0      0.0          0             0             0
## 613                      0            0      0.0          0             0             0
## 614                      0            0      0.0          0             0             0
## 615                      0            0      0.0          0             0             0
## 616                      0            0      0.0          0             0             0
## 617                      0            0      0.0          0             0             0
## 618                      0            0      0.0          0             0             0
## 619                      0            0      0.0          0             0             0
## 620                      0            0      0.0          0             0             0
## 621                      0            0      0.0          0             0             0
## 622                      0            0      0.0          0             0             0
## 623                      0            0      0.0          0             0             0
## 624                      0            0      0.0          0             0             0
## 625                      0            0      0.0          0             0             0
## 626                      0            0      0.0          0             0             0
## 627                      0            0      0.0          0             0             0
## 628                      0            0      0.0          0             0             0
## 629                      0            0      0.0          0             0             0
## 630                      0            0      0.0          0             0             0
## 631                      0            0      0.0          0             0             0
## 632                      0            0      0.0          0             0             0
## 633                      0            0      0.0          0             0             0
## 634                      0            0      0.0          0             0             0
## 635                      0            0      0.0          0             0             0
## 636                      0            0      0.0          0             0             0
## 637                      0            0      0.0          0             0             0
## 638                      0            0      0.0          0             0             0
## 639                      0            0      0.0          0             0             0
## 640                      0            0      0.0          0             0             0
## 641                      0            0      0.0          0             0             0
## 642                      0            0      0.0          0             0             0
## 643                      0            0      0.0          0             0             0
## 644                      0            0      0.0          0             0             0
## 645                      0            0      0.0          0             0             0
## 646                      0            0      0.0          0             0             0
## 647                      0            0      0.0          0             0             0
## 648                      0            0      0.0          0             0             0
## 649                      0            0      0.0          0             0             0
## 650                      0            0      0.0          0             0             0
```

```
## 651              0            0     0.0           0           0           0
## 652              0            0     0.0           0           0           0
## 653              0            0     0.0           0           0           0
## 654              0            0     0.0           0           0           0
## 655              0            0     0.0           0           0           0
## 656              0            0     0.0           0           0           0
## 657              0            0     0.0           0           0           0
## 658              0            0     0.0           0           0           0
## 659              0            0     0.0           0           0           0
## 660              0            0     0.0           0           0           0
## 661              0            0     0.0           0           0           0
## 662              0            0     0.0           0           0           0
## 663              0            0     0.0           0           0           0
## 664              0            0     0.0           0           0           0
## 665              0            0     0.0           0           0           0
## 666              0            0     0.0           0           0           0
## 667              0            0     0.0           0           0           0
## 668              0            0     0.0           0           0           0
## 669              0            0     0.0           0           0           0
## 670              0            0     0.0           0           0           0
## 671              0            0     0.0           0           0           0
## 672              0            0     0.0           0           0           0
## 673              0            0     0.0           0           0           0
## 674              0            0     0.0           0           0           0
## 675              0            0     0.0           0           0           0
## 676              0            0     0.0           0           0           0
## 677              0            0     0.0           0           0           0
## 678              0            0     0.0           0           0           0
## 679              0            0     0.0           0           0           0
## 680              0            0     0.0           0           0           0
## 681             70        63707     0.0           4           5        3181
## 682              0            0     0.0           0           0           0
## 683              0            0     0.0           0           0           0
## 684              0            0     0.0           0           0           0
## 685              0            0     0.0           0           0           0
## 686              0            0     0.0           0           0           0
## 687              0            0     0.0           0           0           0
## 688              0            0     0.0           0           0           0
## 689              0            0     0.0           0           0           0
## 690              0            0     0.0           0           0           0
## 691              0            0     0.0           0           0           0
## 692              0            0     0.0           0           0           0
## 693              0            0     0.0           0           0           0
## 694              0            0     0.0           0           0           0
## 695              0            0     0.0           0           0           0
## 696              0            0     0.0           0           0           0
## 697              0            0     0.0           0           0           0
## 698              0            0     0.0           0           0           0
## 699              0            0     0.0           0           0           0
## 700              0            0     0.0           0           0           0
## 701              0            0     0.0           0           0           0
## 702              0            0     0.0           0           0           0
## 703              0            0     0.0           0           0           0
## 704              0            0     0.0           0           0           0
```

```
## 705            0         0    0.0        0        0        0
## 706            0         0    0.0        0        0        0
## 707            0         0    0.0        0        0        0
## 708            0         0    0.0        0        0        0
## 709            0         0    0.0        0        0        0
## 710            0         0    0.0        0        0        0
## 711            0         0    0.0        0        0        0
## 712            0         0    0.0        0        0        0
## 713            0         0    0.0        0        0        0
## 714            0         0    0.0        0        0        0
## 715            0         0    0.0        0        0        0
## 716            0         0    0.0        0        0        0
## 717            0         0    0.0        0        0        0
## 718            0         0    0.0        0        0        0
## 719            0         0    0.0        0        0        0
## 720            0         0    0.0        0        0        0
## 721            0         0    0.0        0        0        0
## 722            0         0    0.0        0        0        0
## 723            0         0    0.0        0        0        0
## 724            0         0    0.0        0        0        0
## 725            0         0    0.0        0        0        0
## 726            0         0    0.0        0        0        0
## 727            0         0    0.0        0        0        0
## 728           16      4288   66.0        1        2      569
## 729            0         0    0.0        0        1     2477
## 730           32     12057   63.6        0        1      689
## 731            9     16479   88.8        1        1     1301
## 732            7     28178   85.4        1        2     2105
## 733            0         0    0.0        0        0        0
## 734            0         0    0.0        0        0        0
## 735            0         0    0.0        0        0        0
## 736            0         0    0.0        0        0        0
## 737            0         0    0.0        0        0        0
## 738            0         0    0.0        0        0        0
## 739            0         0    0.0        0        0        0
## 740            0         0    0.0        0        0        0
## 741            0         0    0.0        0        0        0
## 742            0         0    0.0        0        0        0
## 743            0         0    0.0        0        0        0
## 744            0         0    0.0        0        0        0
## 745            0         0    0.0        0        0        0
## 746            0         0    0.0        0        0        0
## 747            0         0    0.0        0        0        0
## 748            0         0    0.0        0        0        0
## 749            0         0    0.0        0        0        0
## 750            0         0    0.0        0        0        0
## 751            0         0    0.0        0        0        0
## 752            0         0    0.0        0        0        0
## 753            0         0    0.0        0        0        0
## 754            0         0    0.0        0        0        0
## 755            0         0    0.0        0        0        0
## 756            0         0    0.0        0        0        0
## 757            0         0    0.0        0        0        0
## 758            0         0    0.0        0        0        0
```

```
## 759            0         0      0.0          0         0         0
## 760            0         0      0.0          0         0         0
## 761            0         0      0.0          0         0         0
## 762            0         0      0.0          0         0         0
## 763            0         0      0.0          0         0         0
## 764            0         0      0.0          0         0         0
## 765            0         0      0.0          0         0         0
## 766            0         0      0.0          0         0         0
## 767            0         0      0.0          0         0         0
## 768            0         0      0.0          0         0         0
## 769            0         0      0.0          0         0         0
## 770            0         0      0.0          0         0         0
## 771            0         0      0.0          0         0         0
## 772            0         0      0.0          0         0         0
## 773            0         0      0.0          0         0         0
## 774            0         0      0.0          0         0         0
## 775            0         0      0.0          0         0         0
## 776            0         0      0.0          0         0         0
## 777            0         0      0.0          0         0         0
## 778            0         0      0.0          0         0         0
## 779            0         0      0.0          0         0         0
## 780            0         0      0.0          0         0         0
## 781            0         0      0.0          0         0         0
## 782            0         0      0.0          0         0         0
## 783            0         0      0.0          0         0         0
## 784            0         0      0.0          0         0         0
## 785            0         0      0.0          0         0         0
## 786            0         0      0.0          0         0         0
## 787            0         0      0.0          0         0         0
## 788            0         0      0.0          0         0         0
## 789            0         0      0.0          0         0         0
## 790            0         0      0.0          0         0         0
## 791            0         0      0.0          0         0         0
## 792            0         0      0.0          0         0         0
## 793            0         0      0.0          0         0         0
## 794            0         0      0.0          0         0         0
## 795            0         0      0.0          0         0         0
## 796            0         0      0.0          0         0         0
## 797            0         0      0.0          0         0         0
## 798            0         0      0.0          0         0         0
## 799            0         0      0.0          0         0         0
## 800            0         0      0.0          0         0         0
## 801            0         0      0.0          0         0         0
## 802            0         0      0.0          0         0         0
## 803            0         0      0.0          0         0         0
## 804            0         0      0.0          0         0         0
## 805            8     36019     84.5          0         2      3603
## 806            0         0      0.0          0         0         0
## 807            0         0      0.0          0         0         0
## 808            0         0      0.0          0         0         0
## 809            0         0      0.0          0         0         0
## 810            0         0      0.0          0         0         0
## 811            0         0      0.0          0         0         0
## 812            0         0      0.0          0         0         0
```

## 813	0	0	0.0	0	0	0
## 814	0	0	0.0	0	0	0
## 815	0	0	0.0	0	0	0
## 816	0	0	0.0	0	0	0
## 817	0	0	0.0	0	0	0
## 818	0	0	0.0	0	0	0
## 819	0	0	0.0	0	0	0
## 820	0	0	0.0	0	0	0
## 821	0	0	0.0	0	0	0
## 822	0	0	0.0	0	0	0
## 823	0	0	0.0	0	0	0
## 824	0	0	0.0	0	0	0
## 825	0	0	0.0	0	0	0
## 826	0	0	0.0	0	0	0
## 827	0	0	0.0	0	0	0
## 828	0	0	0.0	0	0	0
## 829	0	0	0.0	0	0	0
## 830	0	0	0.0	0	0	0
## 831	0	0	0.0	0	0	0
## 832	0	0	0.0	0	0	0
## 833	0	0	0.0	0	0	0
## 834	0	0	0.0	0	0	0
## 835	20	2222	27.8	1	3	3032
## 836	6	16641	77.7	1	2	1482
## 837	0	0	0.0	0	0	0
## 838	0	0	0.0	0	0	0
## 839	0	0	0.0	0	0	0
## 840	0	0	0.0	0	0	0
## 841	0	0	0.0	0	0	0
## 842	0	0	0.0	0	0	0
## 843	0	0	0.0	0	0	0
## 844	0	0	0.0	0	0	0
## 845	0	0	0.0	0	0	0
## 846	0	0	0.0	0	0	0
## 847	0	0	0.0	0	0	0
## 848	0	0	0.0	0	0	0
## 849	0	0	0.0	0	0	0
## 850	0	0	0.0	0	0	0
## 851	0	0	0.0	0	0	0
## 852	0	0	0.0	0	0	0
## 853	0	0	0.0	0	0	0
## 854	0	0	0.0	0	0	0
## 855	0	0	0.0	0	0	0
## 856	0	0	0.0	0	0	0
## 857	0	0	0.0	0	0	0
## 858	0	0	0.0	0	0	0
## 859	0	0	0.0	0	0	0
## 860	0	0	0.0	0	0	0
## 861	0	0	0.0	0	0	0
## 862	0	0	0.0	0	0	0
## 863	0	0	0.0	0	0	0
## 864	0	0	0.0	0	0	0
## 865	0	0	0.0	0	0	0
## 866	0	0	0.0	0	0	0

```
## 867             0          0    0.0          0          0          0
## 868             0          0    0.0          0          0          0
## 869             0          0    0.0          0          0          0
## 870             0          0    0.0          0          0          0
## 871             0          0    0.0          0          0          0
## 872             0          0    0.0          0          0          0
## 873             0          0    0.0          0          0          0
## 874             0          0    0.0          0          0          0
## 875             0          0    0.0          0          0          0
## 876             0          0    0.0          0          0          0
## 877             0          0    0.0          0          0          0
## 878             0          0    0.0          0          0          0
## 879             0          0    0.0          0          0          0
## 880             0          0    0.0          0          0          0
## 881             0          0    0.0          0          0          0
## 882             0          0    0.0          0          0          0
## 883             0          0    0.0          0          0          0
## 884             0          0    0.0          0          0          0
## 885             0          0    0.0          0          0          0
## 886             0          0    0.0          0          0          0
## 887             0          0    0.0          0          0          0
## 888             0          0    0.0          0          0          0
## 889             0          0    0.0          0          0          0
## 890             0          0    0.0          0          0          0
## 891             0          0    0.0          0          0          0
## 892             0          0    0.0          0          0          0
## 893             0          0    0.0          0          0          0
## 894             0          0    0.0          0          0          0
## 895             0          0    0.0          0          0          0
## 896             0          0    0.0          0          0          0
## 897             0          0    0.0          0          0          0
## 898             0          0    0.0          0          0          0
## 899             0          0    0.0          0          0          0
## 900             2      43165    0.0          5          7       2500
## 901             9       9612   63.0          0          2       1325
## 902            11      26004   77.1          0          4      12210
## 903             5          0    0.0          9         11       2044
## 904             7       5533   92.2          1          2       3116
## 905             3     158778   91.6          1          2       4300
## 906             0          0    0.0          0          0          0
## 907             0          0    0.0          0          0          0
## 908             0          0    0.0          0          0          0
## 909             0          0    0.0          0          0          0
## 910             0          0    0.0          0          0          0
## 911             0          0    0.0          0          0          0
## 912             0          0    0.0          0          0          0
## 913             0          0    0.0          0          0          0
## 914             0          0    0.0          0          0          0
## 915             0          0    0.0          0          0          0
## 916             0          0    0.0          0          0          0
## 917             0          0    0.0          0          0          0
## 918             0          0    0.0          0          0          0
## 919             0          0    0.0          0          0          0
## 920             0          0    0.0          0          0          0
```

```
## 921                    0           0      0.0         0           0           0
## 922                    0           0      0.0         0           0           0
## 923                    0           0      0.0         0           0           0
## 924                    0           0      0.0         0           0           0
## 925                    0           0      0.0         0           0           0
## 926                    0           0      0.0         0           0           0
## 927                    0           0      0.0         0           0           0
## 928                    0           0      0.0         0           0           0
## 929                    0           0      0.0         0           0           0
## 930                    0           0      0.0         0           0           0
## 931                    0           0      0.0         0           0           0
## 932                    0           0      0.0         0           0           0
## 933                    0           0      0.0         0           0           0
## 934                    0           0      0.0         0           0           0
## 935                    0           0      0.0         0           0           0
## 936                    0           0      0.0         0           0           0
## 937                    0           0      0.0         0           0           0
## 938                    0           0      0.0         0           0           0
## 939                    0           0      0.0         0           0           0
## 940                    0           0      0.0         0           0           0
## 941                    0           0      0.0         0           0           0
## 942                    0           0      0.0         0           0           0
## 943                    0           0      0.0         0           0           0
## 944                    0           0      0.0         0           0           0
## 945                    0           0      0.0         0           0           0
## 946                    0           0      0.0         0           0           0
## 947                    0           0      0.0         0           0           0
## 948                    0           0      0.0         0           0           0
## 949                    0           0      0.0         0           0           0
## 950                    0           0      0.0         0           0           0
## 951                    0           0      0.0         0           0           0
## 952                    0           0      0.0         0           0           0
## 953                    0           0      0.0         0           0           0
## 954                    0           0      0.0         0           0           0
## 955                    0           0      0.0         0           0           0
## 956                    0           0      0.0         0           0           0
## 957                    0           0      0.0         0           0           0
## 958                    0           0      0.0         0           0           0
## 959                    0           0      0.0         0           0           0
## 960                    0           0      0.0         0           0           0
## 961                    0           0      0.0         0           0           0
## 962                    0           0      0.0         0           0           0
## 963                    0           0      0.0         0           0           0
## 964                    0           0      0.0         0           0           0
## 965                    0           0      0.0         0           0           0
## 966                    0           0      0.0         0           0           0
## 967                    0           0      0.0         0           0           0
## 968                    0           0      0.0         0           0           0
## 969                    0           0      0.0         0           0           0
## 970                    0           0      0.0         0           0           0
## 971                    0           0      0.0         0           0           0
## 972                    0           0      0.0         0           0           0
## 973                    0           0      0.0         0           0           0
## 974                    0           0      0.0         0           0           0
```

```
## 975                0           0    0.0           0           0           0
## 976                0           0    0.0           0           0           0
## 977                0           0    0.0           0           0           0
## 978                0           0    0.0           0           0           0
## 979                0           0    0.0           0           0           0
## 980                0           0    0.0           0           0           0
## 981                0           0    0.0           0           0           0
## 982                0           0    0.0           0           0           0
## 983                0           0    0.0           0           0           0
## 984                0           0    0.0           0           0           0
## 985                0           0    0.0           0           0           0
## 986                0           0    0.0           0           0           0
## 987                0           0    0.0           0           0           0
## 988                0           0    0.0           0           0           0
## 989                0           0    0.0           0           0           0
## 990                0           0    0.0           0           0           0
## 991                0           0    0.0           0           0           0
## 992                0           0    0.0           0           0           0
## 993                0           0    0.0           0           0           0
## 994                0           0    0.0           0           0           0
## 995                0           0    0.0           0           0           0
## 996                0           0    0.0           0           0           0
## 997                0           0    0.0           0           0           0
## 998                0           0    0.0           0           0           0
## 999                0           0    0.0           0           0           0
## 1000               0           0    0.0           0           0           0
## 1001               0           0    0.0           0           0           0
## 1002              29           0    0.0           3           6       11153
## 1003               0           0    0.0           0           0           0
## 1004               0           0    0.0           0           0           0
## 1005               0           0    0.0           0           0           0
## 1006               0           0    0.0           0           0           0
## 1007               0           0    0.0           0           0           0
## 1008               0           0    0.0           0           0           0
## 1009               0           0    0.0           0           0           0
## 1010               0           0    0.0           0           0           0
## 1011               0           0    0.0           0           0           0
## 1012               0           0    0.0           0           0           0
## 1013               0           0    0.0           0           0           0
## 1014               0           0    0.0           0           0           0
## 1015               0           0    0.0           0           0           0
## 1016               0           0    0.0           0           0           0
## 1017               0           0    0.0           0           0           0
## 1018               0           0    0.0           0           0           0
## 1019               0           0    0.0           0           0           0
## 1020               0           0    0.0           0           0           0
## 1021              16        8527   54.9           0           1        3786
## 1022               0           0    0.0           0           0           0
## 1023               0           0    0.0           0           0           0
## 1024               0           0    0.0           0           0           0
## 1025               0           0    0.0           0           0           0
## 1026               0           0    0.0           0           0           0
## 1027               0           0    0.0           0           0           0
## 1028               0           0    0.0           0           0           0
```

```
## 1029                   0          0      0.0          0          0          0
## 1030                   0          0      0.0          0          0          0
## 1031                   0          0      0.0          0          0          0
## 1032                   0          0      0.0          0          0          0
## 1033                   0          0      0.0          0          0          0
## 1034                   0          0      0.0          0          0          0
## 1035                   0          0      0.0          0          0          0
## 1036                   0          0      0.0          0          0          0
## 1037                   0          0      0.0          0          0          0
## 1038                   0          0      0.0          0          0          0
## 1039                   0          0      0.0          0          0          0
## 1040                   0          0      0.0          0          0          0
## 1041                   0          0      0.0          0          0          0
## 1042                   0          0      0.0          0          0          0
## 1043                   0          0      0.0          0          0          0
## 1044                   0          0      0.0          0          0          0
## 1045                   0          0      0.0          0          0          0
## 1046                   0          0      0.0          0          0          0
## 1047                   0          0      0.0          0          0          0
## 1048                   0          0      0.0          0          0          0
## 1049                   0          0      0.0          0          0          0
## 1050                   0          0      0.0          0          0          0
## 1051                   0          0      0.0          0          0          0
## 1052                   0          0      0.0          0          0          0
## 1053                   0          0      0.0          0          0          0
## 1054                   0          0      0.0          0          0          0
## 1055                   0          0      0.0          0          0          0
## 1056                   0          0      0.0          0          0          0
## 1057                   0          0      0.0          0          0          0
## 1058                   0          0      0.0          0          0          0
## 1059                   0          0      0.0          0          0          0
## 1060                   0          0      0.0          0          0          0
## 1061                   0          0      0.0          0          0          0
## 1062                   0          0      0.0          0          0          0
## 1063                   0          0      0.0          0          0          0
## 1064                   0          0      0.0          0          0          0
## 1065                   0          0      0.0          0          0          0
## 1066                   0          0      0.0          0          0          0
## 1067                   0          0      0.0          0          0          0
## 1068                   0          0      0.0          0          0          0
## 1069                   0          0      0.0          0          0          0
## 1070                   0          0      0.0          0          0          0
## 1071                   0          0      0.0          0          0          0
## 1072                   0          0      0.0          0          0          0
## 1073                   0          0      0.0          0          0          0
## 1074                   0          0      0.0          0          0          0
## 1075                   0          0      0.0          0          0          0
## 1076                   0          0      0.0          0          0          0
## 1077                   0          0      0.0          0          0          0
## 1078                   0          0      0.0          0          0          0
## 1079                   0          0      0.0          0          0          0
## 1080                   0          0      0.0          0          0          0
## 1081                   0          0      0.0          0          0          0
## 1082                   3      42320      0.0          5          7          0
```

```
## 1083               3       7987    99.6          0        0       4044
## 1084               0          0     0.0          0        0          0
## 1085               0          0     0.0          0        0          0
## 1086               0          0     0.0          0        0          0
## 1087               0          0     0.0          0        0          0
## 1088               0          0     0.0          0        0          0
## 1089               0          0     0.0          0        0          0
## 1090               0          0     0.0          0        0          0
## 1091               0          0     0.0          0        0          0
## 1092               0          0     0.0          0        0          0
## 1093               0          0     0.0          0        0          0
## 1094               0          0     0.0          0        0          0
## 1095               0          0     0.0          0        0          0
## 1096               0          0     0.0          0        0          0
## 1097              17      19489    53.2          0        1       6887
## 1098              15          0     0.0          1        2       4553
## 1099               0          0     0.0          0        0          0
## 1100               0          0     0.0          0        0          0
## 1101               0          0     0.0          0        0          0
## 1102               0          0     0.0          0        0          0
## 1103               0          0     0.0          0        0          0
## 1104               0          0     0.0          0        0          0
## 1105               0          0     0.0          0        0          0
## 1106               0          0     0.0          0        0          0
## 1107               0          0     0.0          0        0          0
## 1108               0          0     0.0          0        0          0
## 1109              21          0     0.0          0        5        691
## 1110               7      25260    89.8          0        0       2753
## 1111               0          0     0.0          0        0          0
## 1112               0          0     0.0          0        0          0
## 1113               0          0     0.0          0        0          0
## 1114               0          0     0.0          0        0          0
## 1115               0          0     0.0          0        0          0
## 1116               0          0     0.0          0        0          0
## 1117               0          0     0.0          0        0          0
## 1118               0          0     0.0          0        0          0
## 1119               0          0     0.0          0        0          0
## 1120               0          0     0.0          0        0          0
## 1121               0          0     0.0          0        0          0
## 1122               0          0     0.0          0        0          0
## 1123               0          0     0.0          0        0          0
## 1124               0          0     0.0          0        0          0
## 1125               0          0     0.0          0        0          0
## 1126               3      24943    85.1          3       11       1040
## 1127               0          0     0.0          0        0          0
## 1128               0          0     0.0          0        0          0
## 1129               0          0     0.0          0        0          0
## 1130               0          0     0.0          0        0          0
## 1131               0          0     0.0          0        0          0
## 1132               0          0     0.0          0        0          0
## 1133               0          0     0.0          0        0          0
## 1134               0          0     0.0          0        0          0
## 1135               0          0     0.0          0        0          0
## 1136               0          0     0.0          0        0          0
```

```
## 1137               0          0     0.0          0          0          0
## 1138               0          0     0.0          0          0          0
## 1139               0          0     0.0          0          0          0
## 1140               0          0     0.0          0          0          0
## 1141               0          0     0.0          0          0          0
## 1142               0          0     0.0          0          0          0
## 1143               0          0     0.0          0          0          0
## 1144               0          0     0.0          0          0          0
## 1145               0          0     0.0          0          0          0
## 1146               0          0     0.0          0          0          0
## 1147               0          0     0.0          0          0          0
## 1148               0          0     0.0          0          0          0
## 1149               0          0     0.0          0          0          0
## 1150               0          0     0.0          0          0          0
## 1151               0          0     0.0          0          0          0
## 1152               0          0     0.0          0          0          0
## 1153               0          0     0.0          0          0          0
## 1154               0          0     0.0          0          0          0
## 1155               0          0     0.0          0          0          0
## 1156               0          0     0.0          0          0          0
## 1157               0          0     0.0          0          0          0
## 1158               0          0     0.0          0          0          0
## 1159               0          0     0.0          0          0          0
## 1160               0          0     0.0          0          0          0
## 1161               0          0     0.0          0          0          0
## 1162               0          0     0.0          0          0          0
## 1163               0          0     0.0          0          0          0
## 1164               0          0     0.0          0          0          0
## 1165               0          0     0.0          0          0          0
## 1166               0          0     0.0          0          0          0
## 1167               0          0     0.0          0          0          0
## 1168               0          0     0.0          0          0          0
## 1169               0          0     0.0          0          0          0
## 1170               0          0     0.0          0          0          0
## 1171               0          0     0.0          0          0          0
## 1172               0          0     0.0          0          0          0
## 1173               0          0     0.0          0          0          0
## 1174               0          0     0.0          0          0          0
## 1175               0          0     0.0          0          0          0
## 1176               0          0     0.0          0          0          0
## 1177               0          0     0.0          0          0          0
## 1178               0          0     0.0          0          0          0
## 1179               0          0     0.0          0          0          0
## 1180               0          0     0.0          0          0          0
## 1181               0          0     0.0          0          0          0
## 1182               0          0     0.0          0          0          0
## 1183               0          0     0.0          0          0          0
## 1184              24          0     0.0          3          3       2521
## 1185              40       3151    27.5          1          2       4548
## 1186              18      55914   105.5          1          2       3460
## 1187               0          0     0.0          0          0          0
## 1188               0          0     0.0          0          0          0
## 1189               0          0     0.0          0          0          0
## 1190               0          0     0.0          0          0          0
```

```
## 1191          0          0     0.0          0          0          0
## 1192          0          0     0.0          0          0          0
## 1193          0          0     0.0          0          0          0
## 1194          0          0     0.0          0          0          0
## 1195          0          0     0.0          0          0          0
## 1196          0          0     0.0          0          0          0
## 1197          0          0     0.0          0          0          0
## 1198          0          0     0.0          0          0          0
## 1199          0          0     0.0          0          0          0
## 1200          0          0     0.0          0          0          0
## 1201          0          0     0.0          0          0          0
## 1202          0          0     0.0          0          0          0
## 1203          0          0     0.0          0          0          0
## 1204          0          0     0.0          0          0          0
## 1205          0          0     0.0          0          0          0
## 1206          0          0     0.0          0          0          0
## 1207          0          0     0.0          0          0          0
## 1208          0          0     0.0          0          0          0
## 1209          0          0     0.0          0          0          0
## 1210          0          0     0.0          0          0          0
## 1211          0          0     0.0          0          0          0
## 1212          0          0     0.0          0          0          0
## 1213          0          0     0.0          0          0          0
## 1214          0          0     0.0          0          0          0
## 1215          0          0     0.0          0          0          0
## 1216          0          0     0.0          0          0          0
## 1217          0          0     0.0          0          0          0
## 1218          0          0     0.0          0          0          0
## 1219          0          0     0.0          0          0          0
## 1220          0          0     0.0          0          0          0
## 1221          0          0     0.0          0          0          0
## 1222          0          0     0.0          0          0          0
## 1223          0          0     0.0          0          0          0
## 1224          0          0     0.0          0          0          0
## 1225          0          0     0.0          0          0          0
## 1226          0          0     0.0          0          0          0
## 1227          0          0     0.0          0          0          0
## 1228          0          0     0.0          0          0          0
## 1229          0          0     0.0          0          0          0
## 1230          0          0     0.0          0          0          0
## 1231          0          0     0.0          0          0          0
## 1232          0          0     0.0          0          0          0
## 1233         76          0     0.0          1          4       6063
## 1234         10          0     0.0          4          5       1001
## 1235          0          0     0.0          0          0          0
## 1236          0          0     0.0          0          0          0
## 1237          0          0     0.0          0          0          0
## 1238          0          0     0.0          0          0          0
## 1239          0          0     0.0          0          0          0
## 1240          0          0     0.0          0          0          0
## 1241          0          0     0.0          0          0          0
## 1242          0          0     0.0          0          0          0
## 1243          0          0     0.0          0          0          0
## 1244          0          0     0.0          0          0          0
```

```
## 1245                    0              0        0.0            0              0              0
## 1246                    0              0        0.0            0              0              0
## 1247                    0              0        0.0            0              0              0
## 1248                    0              0        0.0            0              0              0
## 1249                    0              0        0.0            0              0              0
## 1250                    0              0        0.0            0              0              0
## 1251                    0              0        0.0            0              0              0
## 1252                    0              0        0.0            0              0              0
## 1253                    0              0        0.0            0              0              0
## 1254                    0              0        0.0            0              0              0
## 1255                    0              0        0.0            0              0              0
## 1256                    0              0        0.0            0              0              0
## 1257                    0              0        0.0            0              0              0
## 1258                    0              0        0.0            0              0              0
## 1259                    0              0        0.0            0              0              0
## 1260                    0              0        0.0            0              0              0
## 1261                    0              0        0.0            0              0              0
## 1262                    0              0        0.0            0              0              0
## 1263                    0              0        0.0            0              0              0
## 1264                    0              0        0.0            0              0              0
## 1265                    0              0        0.0            0              0              0
## 1266                    0              0        0.0            0              0              0
## 1267                    0              0        0.0            0              0              0
## 1268                    0              0        0.0            0              0              0
## 1269                    0              0        0.0            0              0              0
## 1270                    0              0        0.0            0              0              0
## 1271                    0              0        0.0            0              0              0
## 1272                    0              0        0.0            0              0              0
## 1273                    0              0        0.0            0              0              0
## 1274                    0              0        0.0            0              0              0
## 1275                    0              0        0.0            0              0              0
## 1276                    0              0        0.0            0              0              0
## 1277                    0              0        0.0            0              0              0
## 1278                    0              0        0.0            0              0              0
## 1279                    0              0        0.0            0              0              0
## 1280                    0              0        0.0            0              0              0
## 1281                    0              0        0.0            0              0              0
## 1282                    0              0        0.0            0              0              0
## 1283                    0              0        0.0            0              0              0
## 1284                    0              0        0.0            0              0              0
## 1285                    0              0        0.0            0              0              0
## 1286                    0              0        0.0            0              0              0
## 1287                    0              0        0.0            0              0              0
## 1288                    0              0        0.0            0              0              0
## 1289                    0              0        0.0            0              0              0
## 1290                    0              0        0.0            0              0              0
## 1291                    0              0        0.0            0              0              0
## 1292                    0              0        0.0            0              0              0
## 1293                    0              0        0.0            0              0              0
## 1294                    0              0        0.0            0              0              0
## 1295                    0              0        0.0            0              0              0
## 1296                    0              0        0.0            0              0              0
## 1297                    0              0        0.0            0              0              0
## 1298                    0              0        0.0            0              0              0
```

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## 1299                    0          0     0.0          0          0          0
## 1300                    0          0     0.0          0          0          0
## 1301                    0          0     0.0          0          0          0
## 1302                    0          0     0.0          0          0          0
## 1303                    0          0     0.0          0          0          0
## 1304                    0          0     0.0          0          0          0
## 1305                    0          0     0.0          0          0          0
## 1306                    0          0     0.0          0          0          0
## 1307                    0          0     0.0          0          0          0
## 1308                    0          0     0.0          0          0          0
## 1309                    0          0     0.0          0          0          0
## 1310                    0          0     0.0          0          0          0
## 1311                    0          0     0.0          0          0          0
## 1312                    0          0     0.0          0          0          0
## 1313                    0          0     0.0          0          0          0
## 1314                    0          0     0.0          0          0          0
## 1315                    0          0     0.0          0          0          0
## 1316                    0          0     0.0          0          0          0
## 1317                    0          0     0.0          0          0          0
## 1318                    0          0     0.0          0          0          0
## 1319                    0          0     0.0          0          0          0
## 1320                    0          0     0.0          0          0          0
## 1321                    0          0     0.0          0          0          0
## 1322                    0          0     0.0          0          0          0
## 1323                    0          0     0.0          0          0          0
## 1324                    0          0     0.0          0          0          0
## 1325                    0          0     0.0          0          0          0
## 1326                    0          0     0.0          0          0          0
## 1327                    0          0     0.0          0          0          0
## 1328                    0          0     0.0          0          0          0
## 1329                    0          0     0.0          0          0          0
## 1330                    0          0     0.0          0          0          0
## 1331                    0          0     0.0          0          0          0
## 1332                    0          0     0.0          0          0          0
## 1333                    0          0     0.0          0          0          0
## 1334                    0          0     0.0          0          0          0
## 1335                    0          0     0.0          0          0          0
## 1336                    0          0     0.0          0          0          0
## 1337                    0          0     0.0          0          0          0
## 1338                    0          0     0.0          0          0          0
## 1339                    0          0     0.0          0          0          0
## 1340                    0          0     0.0          0          0          0
## 1341                    0          0     0.0          0          0          0
## 1342                    0          0     0.0          0          0          0
## 1343                    0          0     0.0          0          0          0
## 1344                    0          0     0.0          0          0          0
## 1345                    0          0     0.0          0          0          0
## 1346                    0          0     0.0          0          0          0
## 1347                    0          0     0.0          0          0          0
## 1348                    0          0     0.0          0          0          0
## 1349                    0          0     0.0          0          0          0
## 1350                    0          0     0.0          0          0          0
## 1351                    0          0     0.0          0          0          0
## 1352                    0          0     0.0          0          0          0
```

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## 1353                 0           0      0.0           0           0           0
## 1354                 0           0      0.0           0           0           0
## 1355                 0           0      0.0           1           3        3620
## 1356                 0           0      0.0           1           2        3657
## 1357                 0           0      0.0           0           0           0
## 1358                 0           0      0.0           0           0           0
## 1359                 0           0      0.0           0           0           0
## 1360                 0           0      0.0           0           0           0
## 1361                 0           0      0.0           0           0           0
## 1362                 0           0      0.0           0           0           0
## 1363                 0           0      0.0           0           0           0
## 1364                 0           0      0.0           0           0           0
## 1365                 0           0      0.0           0           0           0
## 1366                 0           0      0.0           0           0           0
## 1367                 0           0      0.0           0           0           0
## 1368                 0           0      0.0           0           0           0
## 1369                 0           0      0.0           0           0           0
## 1370                 0           0      0.0           0           0           0
## 1371                 0           0      0.0           0           0           0
## 1372                 0           0      0.0           0           0           0
## 1373                 0           0      0.0           0           0           0
## 1374                 0           0      0.0           0           0           0
## 1375                 0           0      0.0           0           0           0
## 1376                 0           0      0.0           0           0           0
## 1377                 0           0      0.0           0           0           0
## 1378                 0           0      0.0           0           0           0
## 1379                 0           0      0.0           0           0           0
## 1380                 0           0      0.0           0           0           0
## 1381                 0           0      0.0           0           0           0
## 1382                 0           0      0.0           0           0           0
## 1383                 0           0      0.0           0           0           0
## 1384                 0           0      0.0           0           0           0
## 1385                 0           0      0.0           0           0           0
## 1386                 0           0      0.0           0           0           0
## 1387                 0           0      0.0           0           0           0
## 1388                 0           0      0.0           0           0           0
## 1389                 0           0      0.0           0           0           0
## 1390                 0           0      0.0           0           0           0
## 1391                 0           0      0.0           0           0           0
## 1392                 0           0      0.0           0           0           0
## 1393                 0           0      0.0           0           0           0
## 1394                 0           0      0.0           0           0           0
## 1395                 0           0      0.0           0           0           0
## 1396                 0           0      0.0           0           0           0
## 1397                 0           0      0.0           0           0           0
## 1398                 0           0      0.0           0           0           0
## 1399                 0           0      0.0           0           0           0
## 1400                 0           0      0.0           0           0           0
## 1401                 0           0      0.0           0           0           0
## 1402                 0           0      0.0           0           0           0
## 1403                 0           0      0.0           0           0           0
## 1404                 0           0      0.0           0           0           0
## 1405                 0           0      0.0           0           0           0
## 1406                 0           0      0.0           0           0           0
```

```
## 1407               0        0    0.0       0        0        0
## 1408               0        0    0.0       0        0        0
## 1409               0        0    0.0       0        0        0
## 1410               0        0    0.0       0        0        0
## 1411               0        0    0.0       0        0        0
## 1412               0        0    0.0       0        0        0
## 1413               0        0    0.0       0        0        0
## 1414               0        0    0.0       0        0        0
## 1415               0        0    0.0       0        0        0
## 1416               0        0    0.0       0        0        0
## 1417               0        0    0.0       0        0        0
## 1418               0        0    0.0       0        0        0
## 1419               0        0    0.0       0        0        0
## 1420               0        0    0.0       0        0        0
## 1421               0        0    0.0       0        0        0
## 1422               0        0    0.0       0        0        0
## 1423               0        0    0.0       0        0        0
## 1424               0        0    0.0       0        0        0
## 1425               0        0    0.0       0        0        0
## 1426               0        0    0.0       0        0        0
## 1427               0        0    0.0       0        0        0
## 1428               0        0    0.0       0        0        0
## 1429               0        0    0.0       0        0        0
## 1430               0        0    0.0       0        0        0
## 1431               0        0    0.0       0        0        0
## 1432               0        0    0.0       0        0        0
## 1433              12        0    0.0       1        1        0
## 1434               0        0    0.0       0        0        0
## 1435               0        0    0.0       0        0        0
## 1436               0        0    0.0       0        0        0
## 1437               0        0    0.0       0        0        0
## 1438               0        0    0.0       0        0        0
## 1439               0        0    0.0       0        0        0
## 1440               0        0    0.0       0        0        0
## 1441               0        0    0.0       0        0        0
## 1442               0        0    0.0       0        0        0
## 1443               0        0    0.0       0        0        0
## 1444               0        0    0.0       0        0        0
## 1445               0        0    0.0       0        0        0
## 1446               0        0    0.0       0        0        0
## 1447               0        0    0.0       0        0        0
## 1448               0        0    0.0       0        0        0
## 1449               0        0    0.0       0        0        0
## 1450               0        0    0.0       0        0        0
## 1451               0        0    0.0       0        0        0
## 1452               0        0    0.0       0        0        0
## 1453               0        0    0.0       0        0        0
## 1454               0        0    0.0       0        0        0
## 1455               0        0    0.0       0        0        0
## 1456               0        0    0.0       0        0        0
## 1457               0        0    0.0       0        0        0
## 1458               0        0    0.0       0        0        0
## 1459               0        0    0.0       0        0        0
## 1460               0        0    0.0       0        0        0
```

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## 1461         0         0    0.0         0         0         0
## 1462         0         0    0.0         0         0         0
## 1463         0         0    0.0         0         0         0
## 1464         0         0    0.0         0         0         0
## 1465         0         0    0.0         0         0         0
## 1466         0         0    0.0         0         0         0
## 1467         0         0    0.0         0         0         0
## 1468         0         0    0.0         0         0         0
## 1469         0         0    0.0         0         0         0
## 1470         0         0    0.0         0         0         0
## 1471         0         0    0.0         0         0         0
## 1472         0         0    0.0         0         0         0
## 1473         0         0    0.0         0         0         0
## 1474        39      4138   34.1         1         2      3406
## 1475        22      1891   42.8         2         5      5247
## 1476        19     23613   71.2         4         6      2819
## 1477         0         0    0.0         0         0         0
## 1478         0         0    0.0         0         0         0
## 1479         0         0    0.0         0         0         0
## 1480         0         0    0.0         0         0         0
## 1481         0         0    0.0         0         0         0
## 1482         0         0    0.0         0         0         0
## 1483         0         0    0.0         0         0         0
## 1484         0         0    0.0         0         0         0
## 1485         0         0    0.0         0         0         0
## 1486         0         0    0.0         0         0         0
## 1487         0         0    0.0         0         0         0
## 1488         0         0    0.0         0         0         0
## 1489         0         0    0.0         0         0         0
## 1490         0         0    0.0         0         0         0
## 1491         0         0    0.0         0         0         0
## 1492         0         0    0.0         0         0         0
## 1493         0         0    0.0         0         0         0
## 1494         0         0    0.0         0         0         0
## 1495         0         0    0.0         0         0         0
## 1496         0         0    0.0         0         0         0
## 1497         0         0    0.0         0         0         0
## 1498         0         0    0.0         0         0         0
## 1499         0         0    0.0         0         0         0
## 1500         0         0    0.0         0         0         0
## 1501         0         0    0.0         0         0         0
## 1502         0         0    0.0         0         0         0
## 1503         0         0    0.0         0         0         0
## 1504         0         0    0.0         0         0         0
## 1505         0         0    0.0         0         0         0
## 1506         0         0    0.0         0         0         0
## 1507         0         0    0.0         0         0         0
## 1508         0         0    0.0         0         0         0
## 1509         0         0    0.0         0         0         0
## 1510         0         0    0.0         0         0         0
## 1511         0         0    0.0         0         0         0
## 1512         0         0    0.0         0         0         0
## 1513         0         0    0.0         0         0         0
## 1514         0         0    0.0         0         0         0
```

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## 1515                  0           0      0.0           0           0           0
## 1516                  0           0      0.0           0           0           0
## 1517                  0           0      0.0           0           0           0
## 1518                  0           0      0.0           0           0           0
## 1519                  0           0      0.0           0           0           0
## 1520                  0           0      0.0           0           0           0
## 1521                  0           0      0.0           0           0           0
## 1522                  0           0      0.0           0           0           0
## 1523                  0           0      0.0           0           0           0
## 1524                  0           0      0.0           0           0           0
## 1525                  0           0      0.0           0           0           0
## 1526                  0           0      0.0           0           0           0
## 1527                  0           0      0.0           0           0           0
## 1528                  0           0      0.0           0           0           0
## 1529                  0           0      0.0           0           0           0
## 1530                  0           0      0.0           0           0           0
## 1531                  0           0      0.0           0           0           0
## 1532                  0           0      0.0           0           0           0
## 1533                  0           0      0.0           0           0           0
## 1534                  0           0      0.0           0           0           0
## 1535                  0           0      0.0           0           0           0
## 1536                  0           0      0.0           0           0           0
## 1537                  0           0      0.0           0           0           0
## 1538                  0           0      0.0           0           0           0
## 1539                  0           0      0.0           0           0           0
## 1540                  0           0      0.0           0           0           0
## 1541                  0           0      0.0           0           0           0
## 1542                  0           0      0.0           0           0           0
## 1543                  0           0      0.0           0           0           0
## 1544                  0           0      0.0           0           0           0
## 1545                  0           0      0.0           0           0           0
## 1546                  0           0      0.0           0           0           0
## 1547                  0           0      0.0           0           0           0
## 1548                  0           0      0.0           0           0           0
## 1549                  0           0      0.0           0           0           0
## 1550                  0           0      0.0           0           0           0
## 1551                  0           0      0.0           0           0           0
## 1552                  0           0      0.0           0           0           0
## 1553                  0           0      0.0           0           0           0
## 1554                  0           0      0.0           0           0           0
## 1555                  0           0      0.0           0           0           0
## 1556                  0           0      0.0           0           0           0
## 1557                  0           0      0.0           0           0           0
## 1558                  0           0      0.0           0           0           0
## 1559                  0           0      0.0           0           0           0
## 1560                  0           0      0.0           0           0           0
## 1561                  0           0      0.0           0           0           0
## 1562                  0           0      0.0           0           0           0
## 1563                  0           0      0.0           0           0           0
## 1564                  0           0      0.0           0           0           0
## 1565                  0           0      0.0           0           0           0
## 1566                  0           0      0.0           0           0           0
## 1567                  0           0      0.0           0           0           0
## 1568                  0           0      0.0           0           0           0
```

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## 1569                    0          0    0.0          0          0          0
## 1570                    0          0    0.0          0          0          0
## 1571                    0          0    0.0          0          0          0
## 1572                    0          0    0.0          0          0          0
## 1573                    0          0    0.0          0          0          0
## 1574                    0          0    0.0          0          0          0
## 1575                    0          0    0.0          0          0          0
## 1576                    0          0    0.0          0          0          0
## 1577                    0          0    0.0          0          0          0
## 1578                    0          0    0.0          0          0          0
## 1579                    0          0    0.0          0          0          0
## 1580                    0          0    0.0          0          0          0
## 1581                    0          0    0.0          0          0          0
## 1582                    0          0    0.0          0          0          0
## 1583                    0          0    0.0          0          0          0
## 1584                    0          0    0.0          0          0          0
## 1585                    0          0    0.0          0          0          0
## 1586                    0          0    0.0          0          0          0
## 1587                    0          0    0.0          0          0          0
## 1588                    0          0    0.0          0          0          0
## 1589                    0          0    0.0          0          0          0
## 1590                    0          0    0.0          0          0          0
## 1591                    0          0    0.0          0          0          0
## 1592                    0          0    0.0          0          0          0
## 1593                    0          0    0.0          0          0          0
## 1594                    0          0    0.0          0          0          0
## 1595                    0          0    0.0          0          0          0
## 1596                    0          0    0.0          0          0          0
## 1597                    0          0    0.0          0          0          0
## 1598                    0          0    0.0          0          0          0
## 1599                    0          0    0.0          0          0          0
## 1600                    0          0    0.0          0          0          0
## 1601                    0          0    0.0          0          0          0
## 1602                    0          0    0.0          0          0          0
## 1603                    0          0    0.0          0          0          0
## 1604                    0          0    0.0          0          0          0
## 1605                    0          0    0.0          0          0          0
## 1606                    0          0    0.0          0          0          0
## 1607                    0          0    0.0          0          0          0
## 1608                    0          0    0.0          0          0          0
## 1609                    0          0    0.0          0          0          0
## 1610                    0          0    0.0          0          0          0
## 1611                    0          0    0.0          0          0          0
## 1612                    0          0    0.0          0          0          0
## 1613                    0          0    0.0          0          0          0
## 1614                    0          0    0.0          0          0          0
## 1615                    0          0    0.0          0          0          0
## 1616                    0          0    0.0          0          0          0
## 1617                    0          0    0.0          0          0          0
## 1618                    0          0    0.0          0          0          0
## 1619                    0          0    0.0          0          0          0
## 1620                    0          0    0.0          0          0          0
## 1621                    0          0    0.0          0          0          0
## 1622                    0          0    0.0          0          0          0
```

```
## 1623                 0           0      0.0          0          0          0
## 1624                 0           0      0.0          0          0          0
## 1625                 0           0      0.0          0          0          0
## 1626                 0           0      0.0          0          0          0
## 1627                 0           0      0.0          0          0          0
## 1628                 0           0      0.0          0          0          0
## 1629                 0           0      0.0          0          0          0
## 1630                 0           0      0.0          0          0          0
## 1631                 0           0      0.0          0          0          0
## 1632                 0           0      0.0          0          0          0
## 1633                 0           0      0.0          0          0          0
## 1634                 0           0      0.0          0          0          0
## 1635                 0           0      0.0          0          0          0
## 1636                 0           0      0.0          0          0          0
## 1637                 0           0      0.0          0          0          0
## 1638                 0           0      0.0          0          0          0
## 1639                 0           0      0.0          0          0          0
## 1640                 0           0      0.0          0          0          0
## 1641                 0           0      0.0          0          0          0
## 1642                 0           0      0.0          0          0          0
## 1643                 0           0      0.0          0          0          0
## 1644                 0           0      0.0          0          0          0
## 1645                 0           0      0.0          0          0          0
## 1646                 0           0      0.0          0          0          0
## 1647                 0           0      0.0          0          0          0
## 1648                 0           0      0.0          0          0          0
## 1649                 0           0      0.0          0          0          0
## 1650                 0           0      0.0          0          0          0
## 1651                 0           0      0.0          0          0          0
## 1652                 0           0      0.0          0          0          0
## 1653                 0           0      0.0          0          0          0
## 1654                 0           0      0.0          0          0          0
## 1655                 0           0      0.0          0          0          0
## 1656                 0           0      0.0          0          0          0
## 1657                 0           0      0.0          0          0          0
## 1658                 0           0      0.0          0          0          0
## 1659                 0           0      0.0          0          0          0
## 1660                 0           0      0.0          0          0          0
## 1661                 0           0      0.0          0          0          0
## 1662                 0           0      0.0          0          0          0
## 1663                 0           0      0.0          0          0          0
## 1664                 0           0      0.0          0          0          0
## 1665                 0           0      0.0          0          0          0
## 1666                 0           0      0.0          0          0          0
## 1667                 0           0      0.0          0          0          0
## 1668                 0           0      0.0          0          0          0
## 1669                 0           0      0.0          0          0          0
## 1670                 0           0      0.0          0          0          0
## 1671                 0           0      0.0          0          0          0
## 1672                 0           0      0.0          0          0          0
## 1673                 0           0      0.0          0          0          0
## 1674                 0           0      0.0          0          0          0
## 1675                 0           0      0.0          0          0          0
## 1676                 0           0      0.0          0          0          0
```

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## 1677                0            0      0.0           0            0            0
## 1678                0            0      0.0           0            0            0
## 1679                0            0      0.0           0            0            0
## 1680                0            0      0.0           0            0            0
## 1681                0            0      0.0           0            0            0
## 1682                0            0      0.0           0            0            0
## 1683                0            0      0.0           0            0            0
## 1684                0            0      0.0           0            0            0
## 1685                0            0      0.0           0            0            0
## 1686                0            0      0.0           0            0            0
## 1687                0            0      0.0           0            0            0
## 1688                0            0      0.0           0            0            0
## 1689                0            0      0.0           0            0            0
## 1690                0            0      0.0           0            0            0
## 1691                0            0      0.0           0            0            0
## 1692                0            0      0.0           0            0            0
## 1693                0            0      0.0           0            0            0
## 1694                0            0      0.0           0            0            0
## 1695                0            0      0.0           0            0            0
## 1696                0            0      0.0           0            0            0
## 1697                0            0      0.0           0            0            0
## 1698                0            0      0.0           0            0            0
## 1699                0            0      0.0           0            0            0
## 1700                0            0      0.0           0            0            0
## 1701                0            0      0.0           0            0            0
## 1702                0            0      0.0           0            0            0
## 1703                0            0      0.0           0            0            0
## 1704                0            0      0.0           0            0            0
## 1705                0            0      0.0           0            0            0
## 1706                0            0      0.0           0            0            0
## 1707                0            0      0.0           0            0            0
## 1708                0            0      0.0           0            0            0
## 1709                0            0      0.0           0            0            0
## 1710                0            0      0.0           0            0            0
## 1711                0            0      0.0           0            0            0
## 1712                0            0      0.0           0            0            0
## 1713                0            0      0.0           0            0            0
## 1714                0            0      0.0           0            0            0
## 1715                0            0      0.0           0            0            0
## 1716                0            0      0.0           0            0            0
## 1717                0            0      0.0           0            0            0
## 1718                0            0      0.0           0            0            0
## 1719                0            0      0.0           0            0            0
## 1720                0            0      0.0           0            0            0
## 1721                0            0      0.0           0            0            0
## 1722                0            0      0.0           0            0            0
## 1723                0            0      0.0           0            0            0
## 1724                0            0      0.0           0            0            0
## 1725                0            0      0.0           0            0            0
## 1726                0            0      0.0           0            0            0
## 1727                0            0      0.0           0            0            0
## 1728                0            0      0.0           0            0            0
## 1729                0            0      0.0           0            0            0
## 1730                0            0      0.0           0            0            0
```

```
## 1731           0           0     0.0           0           0           0
## 1732           0           0     0.0           0           0           0
## 1733           0           0     0.0           0           0           0
## 1734           0           0     0.0           0           0           0
## 1735           0           0     0.0           0           0           0
## 1736           0           0     0.0           0           0           0
## 1737           0           0     0.0           0           0           0
## 1738           0           0     0.0           0           0           0
## 1739           0           0     0.0           0           0           0
## 1740           0           0     0.0           0           0           0
## 1741           0           0     0.0           0           0           0
## 1742           0           0     0.0           0           0           0
## 1743           0           0     0.0           0           0           0
## 1744           0           0     0.0           0           0           0
## 1745           0           0     0.0           0           0           0
## 1746           0           0     0.0           0           0           0
## 1747           0           0     0.0           0           0           0
## 1748           0           0     0.0           0           0           0
## 1749           0           0     0.0           0           0           0
## 1750           0           0     0.0           0           0           0
## 1751           0           0     0.0           0           0           0
## 1752           0           0     0.0           0           0           0
## 1753           0           0     0.0           0           0           0
## 1754           0           0     0.0           0           0           0
## 1755           0           0     0.0           0           0           0
## 1756           0           0     0.0           0           0           0
## 1757           0           0     0.0           0           0           0
## 1758           0           0     0.0           0           0           0
## 1759           0           0     0.0           0           0           0
## 1760           0           0     0.0           0           0           0
## 1761           0           0     0.0           0           0           0
## 1762           0           0     0.0           0           0           0
## 1763           9        5174    61.7           1           2         175
## 1764          30       12890    57.5           2           8        3024
## 1765           0           0     0.0           0           0           0
## 1766           0           0     0.0           0           0           0
## 1767           0           0     0.0           0           0           0
## 1768           0           0     0.0           0           0           0
## 1769           0           0     0.0           0           0           0
## 1770           0           0     0.0           0           0           0
## 1771           0           0     0.0           0           0           0
## 1772           0           0     0.0           0           0           0
## 1773           0           0     0.0           0           0           0
## 1774           0           0     0.0           0           0           0
## 1775           0           0     0.0           0           0           0
## 1776           0           0     0.0           0           0           0
## 1777           0           0     0.0           0           0           0
## 1778           0           0     0.0           0           0           0
## 1779           0           0     0.0           0           0           0
## 1780           0           0     0.0           0           0           0
## 1781           0           0     0.0           0           0           0
## 1782           0           0     0.0           0           0           0
## 1783           0           0     0.0           0           0           0
## 1784           0           0     0.0           0           0           0
```

```
## 1785               0          0     0.0          0          0          0
## 1786               0          0     0.0          0          0          0
## 1787               0          0     0.0          0          0          0
## 1788               0          0     0.0          0          0          0
## 1789               0          0     0.0          0          0          0
## 1790               0          0     0.0          0          0          0
## 1791               0          0     0.0          0          0          0
## 1792               0          0     0.0          0          0          0
## 1793               0          0     0.0          0          0          0
## 1794               0          0     0.0          0          0          0
## 1795               0          0     0.0          0          0          0
## 1796               0          0     0.0          0          0          0
## 1797               0          0     0.0          0          0          0
## 1798              19      20898    87.2          2          3       1668
## 1799               3       4884    97.2          0          1       1413
## 1800               0          0     0.0          0          0          0
## 1801               0          0     0.0          0          0          0
## 1802               0          0     0.0          0          0          0
## 1803               0          0     0.0          0          0          0
## 1804               0          0     0.0          0          0          0
## 1805               0          0     0.0          0          0          0
## 1806               0          0     0.0          0          0          0
## 1807               0          0     0.0          0          0          0
## 1808               0          0     0.0          0          0          0
## 1809               0          0     0.0          0          0          0
## 1810               0          0     0.0          0          0          0
## 1811               0          0     0.0          0          0          0
## 1812               0          0     0.0          0          0          0
## 1813               0          0     0.0          0          0          0
## 1814               0          0     0.0          0          0          0
## 1815               0          0     0.0          0          0          0
## 1816               0          0     0.0          0          0          0
## 1817               0          0     0.0          0          0          0
## 1818               0          0     0.0          0          0          0
## 1819               0          0     0.0          0          0          0
## 1820               0          0     0.0          0          0          0
## 1821              17       1523    24.0          0          1       1568
## 1822              19       2885    57.7          0          1       3716
## 1823              83          0     0.0          2          3       9918
## 1824              20          0     0.0          0          1       9974
## 1825             275          0     0.0          0          1       4517
## 1826              13      26008    67.4          1          4       2635
## 1827               7       4721    41.8          0          0      17401
## 1828               0          0     0.0          0          0          0
## 1829               0          0     0.0          0          0          0
## 1830               0          0     0.0          0          0          0
## 1831               0          0     0.0          0          0          0
## 1832               0          0     0.0          0          0          0
## 1833               0          0     0.0          0          0          0
## 1834               0          0     0.0          0          0          0
## 1835               0          0     0.0          0          0          0
## 1836               0          0     0.0          0          0          0
## 1837               0          0     0.0          0          0          0
## 1838               0          0     0.0          0          0          0
```

```
## 1839                     0          0    0.0          0          0          0
## 1840                     0          0    0.0          0          0          0
## 1841                     3       7148   95.3          4          9       7351
## 1842                     0          0    0.0          0          0          0
## 1843                     0          0    0.0          0          0          0
## 1844                     0          0    0.0          0          0          0
## 1845                     0          0    0.0          0          0          0
## 1846                     0          0    0.0          0          0          0
## 1847                     0          0    0.0          0          0          0
## 1848                     0          0    0.0          0          0          0
## 1849                     0          0    0.0          0          0          0
## 1850                     0          0    0.0          0          0          0
## 1851                     0          0    0.0          0          0          0
## 1852                     0          0    0.0          0          0          0
## 1853                     0          0    0.0          0          0          0
## 1854                     0          0    0.0          0          0          0
## 1855                     0          0    0.0          0          0          0
## 1856                     0          0    0.0          0          0          0
## 1857                     0          0    0.0          0          0          0
## 1858                     0          0    0.0          0          0          0
## 1859                     0          0    0.0          0          0          0
## 1860                     0          0    0.0          0          0          0
## 1861                     0          0    0.0          0          0          0
## 1862                     0          0    0.0          0          0          0
## 1863                     0          0    0.0          0          0          0
## 1864                     0          0    0.0          0          0          0
## 1865                     0          0    0.0          0          0          0
## 1866                     0          0    0.0          0          0          0
## 1867                     0          0    0.0          0          0          0
## 1868                     0          0    0.0          0          0          0
## 1869                     0          0    0.0          0          0          0
## 1870                     0          0    0.0          0          0          0
## 1871                     0          0    0.0          0          0          0
## 1872                     0          0    0.0          0          0          0
## 1873                     0          0    0.0          0          0          0
## 1874                     0          0    0.0          0          0          0
## 1875                     0          0    0.0          0          0          0
## 1876                     0          0    0.0          0          0          0
## 1877                     0          0    0.0          0          0          0
## 1878                     0          0    0.0          0          0          0
## 1879                     0          0    0.0          0          0          0
## 1880                     0          0    0.0          0          0          0
## 1881                     0          0    0.0          0          0          0
## 1882                     0          0    0.0          0          0          0
## 1883                     0          0    0.0          0          0          0
## 1884                     0          0    0.0          0          0          0
## 1885                     0          0    0.0          0          0          0
## 1886                     0          0    0.0          0          0          0
## 1887                     0          0    0.0          0          0          0
## 1888                     0          0    0.0          0          0          0
## 1889                     0          0    0.0          0          0          0
## 1890                     0          0    0.0          0          0          0
## 1891                     0          0    0.0          0          0          0
## 1892                     0          0    0.0          0          0          0
```

```
## 1893                    0            0       0.0            0            0            0
## 1894                    0            0       0.0            0            0            0
## 1895                    0            0       0.0            0            0            0
## 1896                    0            0       0.0            0            0            0
## 1897                    0            0       0.0            0            0            0
## 1898                    0            0       0.0            0            0            0
## 1899                    0            0       0.0            0            0            0
## 1900                    0            0       0.0            0            0            0
## 1901                    0            0       0.0            0            0            0
## 1902                    0            0       0.0            0            0            0
## 1903                    0            0       0.0            0            0            0
## 1904                    0            0       0.0            0            0            0
## 1905                    0            0       0.0            0            0            0
## 1906                    0            0       0.0            0            0            0
## 1907                    0            0       0.0            0            0            0
## 1908                    0            0       0.0            0            0            0
## 1909                    0            0       0.0            0            0            0
## 1910                    0            0       0.0            0            0            0
## 1911                    0            0       0.0            0            0            0
## 1912                    0            0       0.0            0            0            0
## 1913                    0            0       0.0            0            0            0
## 1914                    0            0       0.0            0            0            0
## 1915                    0            0       0.0            0            0            0
## 1916                    0            0       0.0            0            0            0
## 1917                    0            0       0.0            0            0            0
## 1918                    0            0       0.0            0            0            0
## 1919                    0            0       0.0            0            0            0
## 1920                    0            0       0.0            0            0            0
## 1921                    0            0       0.0            0            0            0
## 1922                    0            0       0.0            0            0            0
## 1923                    0            0       0.0            0            0            0
## 1924                    0            0       0.0            0            0            0
## 1925                    0            0       0.0            0            0            0
## 1926                    0            0       0.0            0            0            0
## 1927                    0            0       0.0            0            0            0
## 1928                    0            0       0.0            0            0            0
## 1929                    0            0       0.0            0            0            0
## 1930                    0            0       0.0            0            0            0
## 1931                    0            0       0.0            0            0            0
## 1932                    0            0       0.0            0            0            0
## 1933                    0            0       0.0            0            0            0
## 1934                    0            0       0.0            0            0            0
## 1935                    0            0       0.0            0            0            0
## 1936                    0            0       0.0            0            0            0
## 1937                    0            0       0.0            0            0            0
## 1938                    0            0       0.0            0            0            0
## 1939                    0            0       0.0            0            0            0
## 1940                    0            0       0.0            0            0            0
## 1941                    0            0       0.0            0            0            0
## 1942                    0            0       0.0            0            0            0
## 1943                    0            0       0.0            0            0            0
## 1944                    0            0       0.0            0            0            0
## 1945                    0            0       0.0            0            0            0
## 1946                    0            0       0.0            0            0            0
```

```
## 1947                       0                0      0.0              0                0                0
## 1948                       0                0      0.0              0                0                0
## 1949                       0                0      0.0              0                0                0
## 1950                       0                0      0.0              0                0                0
## 1951                       0                0      0.0              0                0                0
## 1952                       0                0      0.0              0                0                0
## 1953                       0                0      0.0              0                0                0
## 1954                       0                0      0.0              0                0                0
## 1955                       0                0      0.0              0                0                0
## 1956                       0                0      0.0              0                0                0
## 1957                       0                0      0.0              0                0                0
## 1958                       0                0      0.0              0                0                0
## 1959                       0                0      0.0              0                0                0
## 1960                       0                0      0.0              0                0                0
## 1961                       0                0      0.0              0                0                0
## 1962                       0                0      0.0              0                0                0
## 1963                       0                0      0.0              0                0                0
## 1964                       0                0      0.0              0                0                0
## 1965                       0                0      0.0              0                0                0
## 1966                       0                0      0.0              0                0                0
## 1967                       0                0      0.0              0                0                0
## 1968                       0                0      0.0              0                0                0
## 1969                       0                0      0.0              0                0                0
## 1970                       0                0      0.0              0                0                0
## 1971                       0                0      0.0              0                0                0
## 1972                       0                0      0.0              0                0                0
## 1973                       0                0      0.0              0                0                0
## 1974                       0                0      0.0              0                0                0
## 1975                       0                0      0.0              0                0                0
## 1976                       0                0      0.0              0                0                0
## 1977                       0                0      0.0              0                0                0
## 1978                       0                0      0.0              0                0                0
## 1979                       0                0      0.0              0                0                0
## 1980                       0                0      0.0              0                0                0
## 1981                       0                0      0.0              0                0                0
## 1982                       0                0      0.0              0                0                0
## 1983                       0                0      0.0              0                0                0
## 1984                       0                0      0.0              0                0                0
## 1985                       0                0      0.0              0                0                0
## 1986                       0                0      0.0              0                0                0
## 1987                       0                0      0.0              0                0                0
## 1988                       0                0      0.0              0                0                0
## 1989                       0                0      0.0              0                0                0
## 1990                       0                0      0.0              0                0                0
## 1991                       0                0      0.0              0                0                0
## 1992                       0                0      0.0              0                0                0
## 1993                       0                0      0.0              0                0                0
## 1994                       0                0      0.0              0                0                0
## 1995                       0                0      0.0              0                0                0
## 1996                       0                0      0.0              0                0                0
## 1997                       0                0      0.0              0                0                0
## 1998                       0                0      0.0              0                0                0
## 1999                       0                0      0.0              0                0                0
## 2000                       0                0      0.0              0                0                0
```

```
## 2001                   0          0      0.0          0          0          0
## 2002                   0          0      0.0          0          0          0
## 2003                   0          0      0.0          0          0          0
## 2004                   0          0      0.0          0          0          0
## 2005                   0          0      0.0          0          0          0
## 2006                   0          0      0.0          0          0          0
## 2007                   0          0      0.0          0          0          0
## 2008                   0          0      0.0          0          0          0
## 2009                   0          0      0.0          0          0          0
## 2010                   0          0      0.0          0          0          0
## 2011                   0          0      0.0          0          0          0
## 2012                   0          0      0.0          0          0          0
## 2013                   0          0      0.0          0          0          0
## 2014                   0          0      0.0          0          0          0
## 2015                   0          0      0.0          0          0          0
## 2016                   0          0      0.0          0          0          0
## 2017                   0          0      0.0          0          0          0
## 2018                   0          0      0.0          0          0          0
## 2019                   0          0      0.0          0          0          0
## 2020                   0          0      0.0          0          0          0
## 2021                   0          0      0.0          0          0          0
## 2022                   0          0      0.0          0          0          0
## 2023                   0          0      0.0          0          0          0
## 2024                   0          0      0.0          0          0          0
## 2025                   0          0      0.0          0          0          0
## 2026                   0          0      0.0          0          0          0
## 2027                   0          0      0.0          0          0          0
## 2028                   0          0      0.0          0          0          0
## 2029                   0          0      0.0          0          0          0
## 2030                   0          0      0.0          0          0          0
## 2031                   0          0      0.0          0          0          0
## 2032                   0          0      0.0          0          0          0
## 2033                   0          0      0.0          0          0          0
## 2034                   0          0      0.0          0          0       5339
## 2035                 116          0      0.0          1          4       2035
## 2036                   1      47549     79.6          4          6       1452
## 2037                   1       5500    100.0          3          3       1473
## 2038                   0          0      0.0          0          0          0
## 2039                   0          0      0.0          0          0          0
## 2040                   0          0      0.0          0          0          0
## 2041                   0          0      0.0          0          0          0
## 2042                   0          0      0.0          0          0          0
## 2043                   0          0      0.0          0          0          0
## 2044                   0          0      0.0          0          0          0
## 2045                   0          0      0.0          0          0          0
## 2046                   0          0      0.0          0          0          0
## 2047                   0          0      0.0          0          0          0
## 2048                   0          0      0.0          0          0          0
## 2049                   0          0      0.0          0          0          0
## 2050                   0          0      0.0          0          0          0
## 2051                   0          0      0.0          0          0          0
## 2052                   0          0      0.0          0          0          0
## 2053                   0          0      0.0          0          0          0
## 2054                   0          0      0.0          0          0          0
```

```
## 2055                 0           0       0.0           0           0           0
## 2056                 0           0       0.0           0           0           0
## 2057                 0           0       0.0           0           0           0
## 2058                 0           0       0.0           0           0           0
## 2059                 0           0       0.0           0           0           0
## 2060                 0           0       0.0           0           0           0
## 2061                 0           0       0.0           0           0           0
## 2062                 0           0       0.0           0           0           0
## 2063                 0           0       0.0           0           0           0
## 2064                 0           0       0.0           0           0           0
## 2065                 0           0       0.0           0           0           0
## 2066                 0           0       0.0           0           0           0
## 2067                 0           0       0.0           0           0           0
## 2068                 0           0       0.0           0           0           0
## 2069                 0           0       0.0           0           0           0
## 2070                 0           0       0.0           0           0           0
## 2071                 0           0       0.0           0           0           0
## 2072                 0           0       0.0           0           0           0
## 2073                 0           0       0.0           0           0           0
## 2074                 0           0       0.0           0           0           0
## 2075                 0           0       0.0           0           0           0
## 2076                 0           0       0.0           0           0           0
## 2077                 0           0       0.0           0           0           0
## 2078                 0           0       0.0           0           0           0
## 2079                 0           0       0.0           0           0           0
## 2080                 0           0       0.0           0           0           0
## 2081                 0           0       0.0           0           0           0
## 2082                 0           0       0.0           0           0           0
## 2083                 0           0       0.0           0           0           0
## 2084                 0           0       0.0           0           0           0
## 2085                 0           0       0.0           0           0           0
## 2086                 0           0       0.0           0           0           0
## 2087                 0           0       0.0           0           0           0
## 2088                 0           0       0.0           0           0           0
## 2089                 0           0       0.0           0           0           0
## 2090                 0           0       0.0           0           0           0
## 2091                 0           0       0.0           0           0           0
## 2092                 0           0       0.0           0           0           0
## 2093                 0           0       0.0           0           0           0
## 2094                 0           0       0.0           0           0           0
## 2095                 0           0       0.0           0           0           0
## 2096                 0           0       0.0           0           0           0
## 2097                 0           0       0.0           0           0           0
## 2098                 0           0       0.0           0           0           0
## 2099                 0           0       0.0           0           0           0
## 2100                 0           0       0.0           0           0           0
## 2101                 0           0       0.0           0           0           0
## 2102                 0           0       0.0           0           0           0
## 2103                 0           0       0.0           0           0           0
## 2104                 0           0       0.0           0           0           0
## 2105                 0           0       0.0           0           0           0
## 2106                 0           0       0.0           0           0           0
## 2107                 0           0       0.0           0           0           0
## 2108                 0           0       0.0           0           0           0
```

```
## 2109                      0         0   0.0         0         0         0
## 2110                      0         0   0.0         0         0         0
## 2111                      0         0   0.0         0         0         0
## 2112                      0         0   0.0         0         0         0
## 2113                      0         0   0.0         0         0         0
## 2114                      0         0   0.0         0         0         0
## 2115                      0         0   0.0         0         0         0
## 2116                      0         0   0.0         0         0         0
## 2117                      0         0   0.0         0         0         0
## 2118                      0         0   0.0         0         0         0
## 2119                      0         0   0.0         0         0         0
## 2120                      0         0   0.0         0         0         0
## 2121                      0         0   0.0         0         0         0
## 2122                      0         0   0.0         0         0         0
## 2123                      0         0   0.0         0         0         0
## 2124                      0         0   0.0         0         0         0
## 2125                      0         0   0.0         0         0         0
## 2126                      0         0   0.0         0         0         0
## 2127                      0         0   0.0         0         0         0
##      all_util total_rev_hi_lim inq_fi total_cu_tl inq_last_12m
## 1        54.2            24900      0           0            0
## 2         0.0                0      0           0            0
## 3         0.0            11700      0           0            0
## 4         0.0           217800      0           0            0
## 5         0.0            82900      0           0            0
## 6         0.0            61300      0           0            0
## 7         0.0            43000      0           0            0
## 8         0.0            16000      0           0            0
## 9         0.0            66800      0           0            0
## 10        0.0            48400      0           0            0
## 11        0.0            30900      0           0            0
## 12        0.0            42400      0           0            0
## 13        0.0            66600      0           0            0
## 14        0.0            87700      0           0            0
## 15        0.0            91900      0           0            0
## 16        0.0            76400      0           0            0
## 17        0.0                0      0           0            0
## 18        0.0                0      0           0            0
## 19       49.4            82300      0           0            3
## 20       63.7            46100      0          11            3
## 21        4.4            44000      5           0            6
## 22        0.0            24900      0           0            0
## 23        0.0            19500      0           0            0
## 24        0.0                0      0           0            0
## 25        0.0            26500      0           0            0
## 26        0.0            28100      0           0            0
## 27        0.0            16500      0           0            0
## 28        0.0            10800      0           0            0
## 29        0.0            63600      0           0            0
## 30        0.0            31700      0           0            0
## 31        0.0            68300      0           0            0
## 32        0.0            17000      0           0            0
## 33        0.0           117900      0           0            0
## 34        0.0            30600      0           0            0
```

```
## 35        0.0        82400      0        0        0
## 36        0.0         9100      0        0        0
## 37        0.0        22600      0        0        0
## 38        0.0        90900      0        0        0
## 39        0.0        29000      0        0        0
## 40        0.0        10700      0        0        0
## 41       35.6        29500      2        1        2
## 42        0.0        42600      0        0        0
## 43        0.0        39400      0        0        0
## 44        0.0        59600      0        0        0
## 45        0.0        36600      0        0        0
## 46        0.0         9600      0        0        0
## 47        0.0        48600      0        0        0
## 48        0.0         4200      0        0        0
## 49        0.0        17650      0        0        0
## 50        0.0        14950      0        0        0
## 51        0.0        32100      0        0        0
## 52        0.0        12300      0        0        0
## 53        0.0        25000      0        0        0
## 54        0.0        10500      0        0        0
## 55        0.0        20500      0        0        0
## 56        0.0        21000      0        0        0
## 57        0.0        63224      0        0        0
## 58        0.0        14600      0        0        0
## 59        0.0            0      0        0        0
## 60        0.0            0      0        0        0
## 61        0.0            0      0        0        0
## 62        0.0        58308      0        0        0
## 63        0.0            0      0        0        0
## 64        0.0            0      0        0        0
## 65        0.0            0      0        0        0
## 66        0.0        25700      0        0        0
## 67        0.0        23200      0        0        0
## 68        0.0        14400      0        0        0
## 69        0.0        25200      0        0        0
## 70        0.0        26300      0        0        0
## 71        0.0         6800      0        0        0
## 72        0.0            0      0        0        0
## 73        0.0        15300      0        0        0
## 74        0.0        60200      0        0        0
## 75        0.0         4000      0        0        0
## 76        0.0        16500      0        0        0
## 77        0.0        14900      0        0        0
## 78        0.0        35500      0        0        0
## 79        0.0         8500      0        0        0
## 80        0.0        46500      0        0        0
## 81        0.0         7600      0        0        0
## 82       64.1        18000      0        5       -4
## 83        0.0         8000      0        0        0
## 84        0.0        36400      0        0        0
## 85        0.0        21800      0        0        0
## 86        0.0        19900      0        0        0
## 87        0.0        15400      0        0        0
## 88        0.0        15900      0        0        0
```

```
## 89       0.0      26100    0    0    0
## 90       0.0      30400    0    0    0
## 91       0.0      41600    0    0    0
## 92       0.0      12300    0    0    0
## 93       0.0      70300    0    0    0
## 94       0.0      23500    0    0    0
## 95       0.0       6100    0    0    0
## 96       0.0      41000    0    0    0
## 97       0.0      16100    0    0    0
## 98       0.0      24000    0    0    0
## 99       0.0      13600    0    0    0
## 100      0.0       6600    0    0    0
## 101      0.0       5400    0    0    0
## 102      0.0      19100    0    0    0
## 103      0.0      15700    0    0    0
## 104      0.0      65900    0    0    0
## 105      0.0       7800    0    0    0
## 106      0.0      13700    0    0    0
## 107      0.0      22400    0    0    0
## 108      0.0      10300    0    0    0
## 109      0.0      91600    0    0    0
## 110      0.0      34300    0    0    0
## 111      0.0       2900    0    0    0
## 112      0.0      20200    0    0    0
## 113      0.0      10100    0    0    0
## 114      0.0      13800    0    0    0
## 115      0.0       7500    0    0    0
## 116      0.0      55700    0    0    0
## 117      0.0      42200    0    0    0
## 118      0.0       7700    0    0    0
## 119      0.0       5400    0    0    0
## 120      0.0      60800    0    0    0
## 121     42.3       6200    0    2    0
## 122      0.0       9100    0    0    0
## 123      0.0       5900    0    0    0
## 124      0.0      13600    0    0    0
## 125      0.0      25000    0    0    0
## 126      0.0      19400    0    0    0
## 127      0.0      18100    0    0    0
## 128      0.0       4300    0    0    0
## 129      0.0       7500    0    0    0
## 130      0.0      12100    0    0    0
## 131      0.0      60000    0    0    0
## 132      0.0      13800    0    0    0
## 133      0.0          0    0    0    0
## 134      0.0      16000    0    0    0
## 135      0.0      28300    0    0    0
## 136      0.0      16400    0    0    0
## 137      0.0      22200    0    0    0
## 138      0.0      10200    0    0    0
## 139      6.8      98600    0    0    0
## 140     48.0      53800    2    5    2
## 141     51.4      23400    0    0   -4
## 142     28.9      26300    0    5    0
```

```
## 143    10.4    66400    0    0    0
## 144    62.1    74900    1    0    2
## 145    51.7    65000    0    3    2
## 146     0.0        0    0    0    0
## 147     0.0        0    0    0    0
## 148     0.0        0    0    0    0
## 149     0.0    55900    0    0    0
## 150     0.0        0    0    0    0
## 151     0.0        0    0    0    0
## 152     0.0        0    0    0    0
## 153     0.0        0    0    0    0
## 154     0.0        0    0    0    0
## 155     0.0        0    0    0    0
## 156     0.0        0    0    0    0
## 157     0.0        0    0    0    0
## 158     0.0        0    0    0    0
## 159     0.0        0    0    0    0
## 160     0.0        0    0    0    0
## 161     0.0        0    0    0    0
## 162     0.0        0    0    0    0
## 163     0.0        0    0    0    0
## 164     0.0    21000    0    0    0
## 165     0.0        0    0    0    0
## 166     0.0        0    0    0    0
## 167     0.0    17600    0    0    0
## 168     0.0        0    0    0    0
## 169    36.7   178500    0    6    1
## 170     0.0    41600    0    0    0
## 171     0.0        0    0    0    0
## 172     0.0    23600    0    0    0
## 173     0.0    24700    0    0    0
## 174     0.0        0    0    0    0
## 175     0.0    49400    0    0    0
## 176     0.0    46300    0    0    0
## 177     0.0    45300    0    0    0
## 178     0.0    51100    0    0    0
## 179     0.0    54900    0    0    0
## 180     0.0    31500    0    0    0
## 181     0.0    55900    0    0    0
## 182     0.0    20800    0    0    0
## 183     0.0    46200    0    0    0
## 184     0.0    31800    0    0    0
## 185     0.0    30300    0    0    0
## 186     0.0    20000    0    0    0
## 187     0.0    28000    0    0    0
## 188     0.0    18700    0    0    0
## 189     0.0    12700    0    0    0
## 190     0.0    22200    0    0    0
## 191     0.0    19900    0    0    0
## 192     0.0     4900    0    0    0
## 193     0.0    30800    0    0    0
## 194     0.0    33100    0    0    0
## 195     0.0    15800    0    0    0
## 196     0.0    26900    0    0    0
```

```
## 197        0.0         87148        0        0        0
## 198        0.0         68500        0        0        0
## 199        0.0         14100        0        0        0
## 200        0.0         45600        0        0        0
## 201        0.0          9300        0        0        0
## 202        0.0         36600        0        0        0
## 203        0.0         61600        0        0        0
## 204        0.0         26400        0        0        0
## 205        0.0         73700        0        0        0
## 206        0.0        104600        0        0        0
## 207        0.0         10400        0        0        0
## 208        0.0         15700        0        0        0
## 209        0.0         15000        0        0        0
## 210        0.0         30900        0        0        0
## 211        0.0         27300        0        0        0
## 212        0.0         36900        0        0        0
## 213        0.0          3700        0        0        0
## 214        0.0          5600        0        0        0
## 215        0.0         26300        0        0        0
## 216        0.0          5800        0        0        0
## 217        0.0          9200        0        0        0
## 218        0.0          9000        0        0        0
## 219        0.0        106900        0        0        0
## 220        0.0         43500        0        0        0
## 221        0.0         10500        0        0        0
## 222        0.0         27500        0        0        0
## 223        0.0         86400        0        0        0
## 224        0.0             0        0        0        0
## 225        0.0         30600        0        0        0
## 226        0.0          4800        0        0        0
## 227        0.0         29900        0        0        0
## 228        0.0         30900        0        0        0
## 229        0.0          4500        0        0        0
## 230        0.0         17700        0        0        0
## 231        0.0             0        0        0        0
## 232        0.0             0        0        0        0
## 233        0.0             0        0        0        0
## 234        0.0         64000        0        0        0
## 235        0.0         75100        0        0        0
## 236        0.0         10400        0        0        0
## 237        0.0        117000        0        0        0
## 238        0.0         21600        0        0        0
## 239        0.0         48700        0        0        0
## 240        0.0         91600        0        0        0
## 241        0.0         88700        0        0        0
## 242        0.0         80600        0        0        0
## 243        0.0         78600        0        0        0
## 244        0.0         63000        0        0        0
## 245        0.0         37500        0        0        0
## 246        0.0         66000        0        0        0
## 247        0.0         65000        0        0        0
## 248        0.0         25000        0        0        0
## 249        0.0         56500        0        0        0
## 250        0.0        100700        0        0        0
```

```
## 251      0.0      47200      0      0      0
## 252      0.0          0      0      0      0
## 253     42.4      55600      1      3      1
## 254     41.9      22700      0      0      3
## 255      0.0          0      0      0      0
## 256      0.0          0      0      0      0
## 257      0.0          0      0      0      0
## 258      0.0          0      0      0      0
## 259      0.0          0      0      0      0
## 260      0.0          0      0      0      0
## 261      0.0          0      0      0      0
## 262      0.0          0      0      0      0
## 263      0.0          0      0      0      0
## 264      0.0          0      0      0      0
## 265      0.0          0      0      0      0
## 266      0.0          0      0      0      0
## 267      0.0          0      0      0      0
## 268      0.0          0      0      0      0
## 269      0.0          0      0      0      0
## 270      0.0          0      0      0      0
## 271      0.0      21700      0      0      0
## 272      0.0      36400      0      0      0
## 273      0.0      21900      0      0      0
## 274      0.0      38800      0      0      0
## 275      0.0      49800      0      0      0
## 276      0.0      17800      0      0      0
## 277      0.0      89200      0      0      0
## 278      0.0      16300      0      0      0
## 279      0.0      18800      0      0      0
## 280      0.0      36300      0      0      0
## 281      0.0      10600      0      0      0
## 282      0.0      17600      0      0      0
## 283      0.0      53900      0      0      0
## 284      0.0       5700      0      0      0
## 285      0.0      37500      0      0      0
## 286      0.0      40500      0      0      0
## 287      0.0      37100      0      0      0
## 288      0.0      35000      0      0      0
## 289      0.0      15700      0      0      0
## 290      0.0      19100      0      0      0
## 291      0.0      34900      0      0      0
## 292      0.0      26800      0      0      0
## 293      0.0       9800      0      0      0
## 294      0.0       3700      0      0      0
## 295      0.0       8300      0      0      0
## 296      0.0      16600      0      0      0
## 297      0.0      15300      0      0      0
## 298      0.0      81000      0      0      0
## 299      0.0      32900      0      0      0
## 300      0.0      20000      0      0      0
## 301      0.0     114000      0      0      0
## 302      0.0     160600      0      0      0
## 303      0.0      22400      0      0      0
## 304      0.0      41000      0      0      0
```

```
## 305     0.0         87100   0           0           0
## 306     0.0         94000   0           0           0
## 307     0.0         55900   0           0           0
## 308     0.0         41500   0           0           0
## 309     0.0         23300   0           0           0
## 310     0.0        200300   0           0           0
## 311     0.0             0   0           0           0
## 312     0.0        114300   0           0           0
## 313     0.0         26800   0           0           0
## 314     0.0         53200   0           0           0
## 315     0.0         72200   0           0           0
## 316     0.0         53500   0           0           0
## 317     0.0         27300   0           0           0
## 318     0.0         37400   0           0           0
## 319     0.0        120800   0           0           0
## 320     0.0         90041   0           0           0
## 321     0.0         56900   0           0           0
## 322     0.0         59000   0           0           0
## 323     0.0        120800   0           0           0
## 324     0.0         46100   0           0           0
## 325     0.0         69600   0           0           0
## 326     0.0         71700   0           0           0
## 327     0.0         21300   0           0           0
## 328     0.0         84700   0           0           0
## 329     0.0         15100   0           0           0
## 330     0.0        116200   0           0           0
## 331     0.0         84200   0           0           0
## 332     0.0         61900   0           0           0
## 333     0.0         29000   0           0           0
## 334     0.0         85900   0           0           0
## 335     0.0         68100   0           0           0
## 336     0.0         17800   0           0           0
## 337     0.0         34400   0           0           0
## 338     0.0        144000   0           0           0
## 339     0.0        288900   0           0           0
## 340     0.0         46500   0           0           0
## 341     0.0        135000   0           0           0
## 342     0.0         19800   0           0           0
## 343     0.0         58400   0           0           0
## 344     0.0         72300   0           0           0
## 345     0.0        215400   0           0           0
## 346     0.0         49500   0           0           0
## 347     0.0         40400   0           0           0
## 348     0.0         31500   0           0           0
## 349     0.0        122100   0           0           0
## 350     0.0         67900   0           0           0
## 351     0.0         22500   0           0           0
## 352     0.0         86100   0           0           0
## 353     0.0         91800   0           0           0
## 354     0.0         91500   0           0           0
## 355     0.0         49800   0           0           0
## 356     0.0         23300   0           0           0
## 357     0.0         69100   0           0           0
## 358     0.0         72200   0           0           0
```

```
## 359    0.0    115900    0    0     0
## 360    0.0    107600    0    0     0
## 361    0.0     86100    0    0     0
## 362    0.0     38500    0    0     0
## 363    0.0     24900    0    0     0
## 364    0.0    148000    0    0     0
## 365    0.0     24000    0    0     0
## 366    0.0     20000    0    0     0
## 367   32.5     18200    0    0    -4
## 368   34.7     38300    0    0     2
## 369   20.1     36100    1    0     2
## 370    0.0         0    0    0     0
## 371    0.0         0    0    0     0
## 372    0.0         0    0    0     0
## 373    0.0    101600    0    0     0
## 374    0.0         0    0    0     0
## 375    0.0         0    0    0     0
## 376    0.0         0    0    0     0
## 377    0.0     14900    0    0     0
## 378    0.0         0    0    0     0
## 379    0.0         0    0    0     0
## 380    0.0         0    0    0     0
## 381    0.0         0    0    0     0
## 382   73.7     46600    1    2     1
## 383   81.7     17300    0    7     3
## 384   63.9      8900    2    5     2
## 385   14.2     14900    4    3     4
## 386    0.0         0    0    0     0
## 387   68.2      7600    1    1     0
## 388    0.0      9000    0    0     0
## 389    0.0         0    0    0     0
## 390    0.0         0    0    0     0
## 391    0.0         0    0    0     0
## 392    0.0         0    0    0     0
## 393   67.4     20100    1   15     2
## 394    0.0     28800    0    0     0
## 395    0.0     16800    0    0     0
## 396    0.0    108000    0    0     0
## 397    0.0     60600    0    0     0
## 398    0.0     35500    0    0     0
## 399    0.0    129100    0    0     0
## 400    0.0     86500    0    0     0
## 401    0.0     47900    0    0     0
## 402    0.0     51200    0    0     0
## 403    0.0    123200    0    0     0
## 404    0.0     45900    0    0     0
## 405    0.0     21500    0    0     0
## 406    0.0    222200    0    0     0
## 407    0.0     37100    0    0     0
## 408    0.0     63000    0    0     0
## 409    0.0     73600    0    0     0
## 410    0.0     16000    0    0     0
## 411    0.0     16600    0    0     0
## 412    0.0    119300    0    0     0
```

```
## 413       0.0        77700      0         0         0
## 414       0.0        70904      0         0         0
## 415       0.0        22100      0         0         0
## 416       0.0        61800      0         0         0
## 417       0.0        99100      0         0         0
## 418       0.0        37800      0         0         0
## 419       0.0        17200      0         0         0
## 420       0.0        33200      0         0         0
## 421       0.0        56900      0         0         0
## 422       0.0        82787      0         0         0
## 423       0.0        41400      0         0         0
## 424       0.0       121800      0         0         0
## 425       0.0        72100      0         0         0
## 426       0.0        77300      0         0         0
## 427       0.0        75000      0         0         0
## 428       0.0        77500      0         0         0
## 429       0.0        24700      0         0         0
## 430       0.0        78400      0         0         0
## 431       0.0        38900      0         0         0
## 432       0.0        36200      0         0         0
## 433       0.0        67000      0         0         0
## 434       0.0        10600      0         0         0
## 435       0.0        85100      0         0         0
## 436       0.0        15600      0         0         0
## 437       0.0        43300      0         0         0
## 438       0.0        33500      0         0         0
## 439       0.0       284100      0         0         0
## 440       0.0       188800      0         0         0
## 441       0.0       102300      0         0         0
## 442       0.0       232200      0         0         0
## 443       0.0        58400      0         0         0
## 444       0.0        18100      0         0         0
## 445       0.0        59700      0         0         0
## 446       0.0        68300      0         0         0
## 447       0.0        33400      0         0         0
## 448       0.0        34200      0         0         0
## 449       0.0        82500      0         0         0
## 450       0.0        83800      0         0         0
## 451       0.0        31500      0         0         0
## 452       0.0        76200      0         0         0
## 453       0.0        30100      0         0         0
## 454      47.9        31200      2         0         6
## 455      46.1        19500      0         3         1
## 456      54.4        30900      3         3         2
## 457       0.0            0      0         0         0
## 458       0.0            0      0         0         0
## 459       0.0            0      0         0         0
## 460       0.0            0      0         0         0
## 461       0.0            0      0         0         0
## 462       0.0            0      0         0         0
## 463       0.0            0      0         0         0
## 464       0.0            0      0         0         0
## 465       0.0            0      0         0         0
## 466       0.0            0      0         0         0
```

```
## 467    0.0          0      0          0          0
## 468    0.0          0      0          0          0
## 469    0.0          0      0          0          0
## 470    0.0          0      0          0          0
## 471    0.0          0      0          0          0
## 472    0.0          0      0          0          0
## 473    0.0          0      0          0          0
## 474    0.0          0      0          0          0
## 475    0.0      81200      0          0          0
## 476    0.0      38500      0          0          0
## 477    0.0      66000      0          0          0
## 478    0.0      18800      0          0          0
## 479    0.0      49100      0          0          0
## 480    0.0      13400      0          0          0
## 481    0.0      11100      0          0          0
## 482    0.0          0      0          0          0
## 483    0.0          0      0          0          0
## 484    0.0      10600      0          0          0
## 485    0.0          0      0          0          0
## 486    0.0      21500      0          0          0
## 487    0.0          0      0          0          0
## 488    0.0      45100      0          0          0
## 489    0.0          0      0          0          0
## 490    0.0      34700      0          0          0
## 491    0.0      75500      0          0          0
## 492    0.0      68600      0          0          0
## 493    0.0      41100      0          0          0
## 494    0.0      54600      0          0          0
## 495    0.0      16300      0          0          0
## 496    0.0     173000      0          0          0
## 497    0.0       4600      0          0          0
## 498    0.0      13300      0          0          0
## 499    0.0      13100      0          0          0
## 500    0.0      31500      0          0          0
## 501    0.0      37900      0          0          0
## 502    0.0      26100      0          0          0
## 503    0.0      20500      0          0          0
## 504    0.0      66200      0          0          0
## 505    0.0      46700      0          0          0
## 506    0.0      13100      0          0          0
## 507    0.0      47300      0          0          0
## 508    0.0      25600      0          0          0
## 509    0.0      29300      0          0          0
## 510    0.0      84800      0          0          0
## 511    0.0      32300      0          0          0
## 512    0.0      11200      0          0          0
## 513    0.0      16500      0          0          0
## 514    0.0      21200      0          0          0
## 515    0.0      30900      0          0          0
## 516    0.0      45000      0          0          0
## 517    0.0      20400      0          0          0
## 518    0.0      17500      0          0          0
## 519    0.0      50900      0          0          0
## 520    0.0     101400      0          0          0
```

```
## 521     0.0      36700    0    0     0
## 522     0.0      26200    0    0     0
## 523     0.0      32600    0    0     0
## 524     0.0      16100    0    0     0
## 525     0.0      67400    0    0     0
## 526     0.0      58000    0    0     0
## 527     0.0      32600    0    0     0
## 528     0.0       7000    0    0     0
## 529     0.0       7500    0    0     0
## 530     0.0       8600    0    0     0
## 531     0.0      20700    0    0     0
## 532     0.0      59800    0    0     0
## 533     0.0      12300    0    0     0
## 534    58.0      26100    0    0    -4
## 535    19.0      70700    0    3     3
## 536     0.0          0    0    0     0
## 537     0.0      43900    0    0     0
## 538     0.0      18800    0    0     0
## 539     0.0      83200    0    0     0
## 540     0.0      23200    0    0     0
## 541     0.0      64958    0    0     0
## 542     0.0      10700    0    0     0
## 543     0.0      50907    0    0     0
## 544     0.0      22000    0    0     0
## 545     0.0      23100    0    0     0
## 546     0.0      34100    0    0     0
## 547     0.0       7300    0    0     0
## 548     0.0      47100    0    0     0
## 549     0.0      30100    0    0     0
## 550     0.0      16800    0    0     0
## 551     0.0      17700    0    0     0
## 552     0.0      27400    0    0     0
## 553     0.0     104600    0    0     0
## 554     0.0      37600    0    0     0
## 555     0.0      24400    0    0     0
## 556     0.0      21700    0    0     0
## 557    29.2      23000    0    0     3
## 558     0.0      21000    0    0     0
## 559     0.0      27300    0    0     0
## 560     0.0      46100    0    0     0
## 561     0.0      46600    0    0     0
## 562     0.0      16200    0    0     0
## 563     0.0     111500    0    0     0
## 564     0.0      78200    0    0     0
## 565     0.0     149200    0    0     0
## 566     0.0      56800    0    0     0
## 567     0.0      61500    0    0     0
## 568     0.0      40800    0    0     0
## 569     0.0      37100    0    0     0
## 570     0.0      24100    0    0     0
## 571     0.0          0    0    0     0
## 572     0.0          0    0    0     0
## 573     0.0          0    0    0     0
## 574     0.0          0    0    0     0
```

```
## 575      0.0          0       0          0          0
## 576      0.0          0       0          0          0
## 577      0.0          0       0          0          0
## 578      0.0      38200       0          0          0
## 579      0.0      14200       0          0          0
## 580      0.0          0       0          0          0
## 581      0.0          0       0          0          0
## 582      0.0          0       0          0          0
## 583      0.0          0       0          0          0
## 584      0.0          0       0          0          0
## 585      0.0          0       0          0          0
## 586     73.0      18100       2          0          3
## 587      0.0      23700       0          0          0
## 588      0.0          0       0          0          0
## 589      0.0          0       0          0          0
## 590      0.0      19200       0          0          0
## 591      0.0      29000       0          0          0
## 592      0.0      18800       0          0          0
## 593      0.0      36300       0          0          0
## 594      0.0      21000       0          0          0
## 595      0.0      62600       0          0          0
## 596      0.0      18800       0          0          0
## 597      0.0      35600       0          0          0
## 598      0.0     135400       0          0          0
## 599      0.0      39600       0          0          0
## 600      0.0      40900       0          0          0
## 601      0.0      21500       0          0          0
## 602      0.0       9900       0          0          0
## 603      0.0      32000       0          0          0
## 604      0.0      25300       0          0          0
## 605      0.0      31300       0          0          0
## 606      0.0       5900       0          0          0
## 607      0.0      22200       0          0          0
## 608      0.0      11100       0          0          0
## 609      0.0      19600       0          0          0
## 610      0.0      21400       0          0          0
## 611      0.0      10900       0          0          0
## 612      0.0      37700       0          0          0
## 613      0.0       3300       0          0          0
## 614      0.0      37000       0          0          0
## 615      0.0      18100       0          0          0
## 616      0.0      37000       0          0          0
## 617      0.0          0       0          0          0
## 618      0.0          0       0          0          0
## 619      0.0          0       0          0          0
## 620      0.0       8300       0          0          0
## 621      0.0      37800       0          0          0
## 622      0.0          0       0          0          0
## 623      0.0          0       0          0          0
## 624      0.0          0       0          0          0
## 625      0.0      17700       0          0          0
## 626      0.0          0       0          0          0
## 627      0.0      22500       0          0          0
## 628      0.0          0       0          0          0
```

## 629	0.0	18400	0	0	0
## 630	0.0	0	0	0	0
## 631	0.0	0	0	0	0
## 632	0.0	0	0	0	0
## 633	0.0	24700	0	0	0
## 634	0.0	15200	0	0	0
## 635	0.0	70000	0	0	0
## 636	0.0	9500	0	0	0
## 637	0.0	34000	0	0	0
## 638	0.0	66900	0	0	0
## 639	0.0	0	0	0	0
## 640	0.0	8000	0	0	0
## 641	0.0	6300	0	0	0
## 642	0.0	0	0	0	0
## 643	0.0	12400	0	0	0
## 644	0.0	54700	0	0	0
## 645	0.0	16000	0	0	0
## 646	0.0	44500	0	0	0
## 647	0.0	39900	0	0	0
## 648	0.0	27800	0	0	0
## 649	0.0	21500	0	0	0
## 650	0.0	7900	0	0	0
## 651	0.0	32200	0	0	0
## 652	0.0	34900	0	0	0
## 653	0.0	18900	0	0	0
## 654	0.0	13800	0	0	0
## 655	0.0	23200	0	0	0
## 656	0.0	71800	0	0	0
## 657	0.0	21500	0	0	0
## 658	0.0	107300	0	0	0
## 659	0.0	13300	0	0	0
## 660	0.0	31600	0	0	0
## 661	0.0	11000	0	0	0
## 662	0.0	33300	0	0	0
## 663	0.0	5000	0	0	0
## 664	0.0	21500	0	0	0
## 665	0.0	13500	0	0	0
## 666	0.0	11500	0	0	0
## 667	0.0	39800	0	0	0
## 668	0.0	36900	0	0	0
## 669	0.0	0	0	0	0
## 670	0.0	0	0	0	0
## 671	0.0	0	0	0	0
## 672	0.0	0	0	0	0
## 673	0.0	5000	0	0	0
## 674	0.0	0	0	0	0
## 675	0.0	0	0	0	0
## 676	0.0	0	0	0	0
## 677	0.0	0	0	0	0
## 678	0.0	0	0	0	0
## 679	0.0	0	0	0	0
## 680	0.0	341800	0	0	0
## 681	51.5	33900	0	1	2
## 682	0.0	0	0	0	0

310

```
## 683      0.0           0      0            0            0
## 684      0.0           0      0            0            0
## 685      0.0       20200      0            0            0
## 686      0.0        4200      0            0            0
## 687      0.0       53400      0            0            0
## 688      0.0       47100      0            0            0
## 689      0.0       63700      0            0            0
## 690      0.0       18700      0            0            0
## 691      0.0       19400      0            0            0
## 692      0.0       23800      0            0            0
## 693      0.0       14400      0            0            0
## 694      0.0       33700      0            0            0
## 695      0.0      189800      0            0            0
## 696      0.0       66800      0            0            0
## 697      0.0       43300      0            0            0
## 698      0.0       24800      0            0            0
## 699      0.0      108000      0            0            0
## 700      0.0        7300      0            0            0
## 701      0.0       41800      0            0            0
## 702      0.0        6600      0            0            0
## 703      0.0       33800      0            0            0
## 704      0.0        9500      0            0            0
## 705      0.0        7700      0            0            0
## 706      0.0       30900      0            0            0
## 707      0.0       10600      0            0            0
## 708      0.0       27300      0            0            0
## 709      0.0       21900      0            0            0
## 710      0.0       26300      0            0            0
## 711      0.0       51900      0            0            0
## 712      0.0       14300      0            0            0
## 713      0.0        6100      0            0            0
## 714      0.0       76500      0            0            0
## 715      0.0       32600      0            0            0
## 716      0.0       38800      0            0            0
## 717      0.0       25300      0            0            0
## 718      0.0       20600      0            0            0
## 719      0.0       27100      0            0            0
## 720      0.0       14000      0            0            0
## 721      0.0       11900      0            0            0
## 722      0.0       12800      0            0            0
## 723      0.0       20600      0            0            0
## 724      0.0        8300      0            0            0
## 725      0.0       44300      0            0            0
## 726      0.0       23000      0            0            0
## 727      0.0       76100      0            0            0
## 728     50.0       14300      1            0            0
## 729     44.6       14700      1            0            0
## 730     51.7       11400      3            0            0
## 731     63.8       16400      0            0            2
## 732     62.4       21600      0            0           -4
## 733      0.0        6900      0            0            0
## 734      0.0        9200      0            0            0
## 735      0.0       17400      0            0            0
## 736      0.0           0      0            0            0
```

```
## 737        0.0        61500        0        0        0
## 738        0.0         5900        0        0        0
## 739        0.0        22200        0        0        0
## 740        0.0        89900        0        0        0
## 741        0.0        19200        0        0        0
## 742        0.0            0        0        0        0
## 743        0.0            0        0        0        0
## 744        0.0            0        0        0        0
## 745        0.0            0        0        0        0
## 746        0.0            0        0        0        0
## 747        0.0            0        0        0        0
## 748        0.0            0        0        0        0
## 749        0.0            0        0        0        0
## 750        0.0        90100        0        0        0
## 751        0.0         6500        0        0        0
## 752        0.0        22300        0        0        0
## 753        0.0        71300        0        0        0
## 754        0.0        18100        0        0        0
## 755        0.0       184100        0        0        0
## 756        0.0        42700        0        0        0
## 757        0.0            0        0        0        0
## 758        0.0            0        0        0        0
## 759        0.0            0        0        0        0
## 760        0.0            0        0        0        0
## 761        0.0         5000        0        0        0
## 762        0.0            0        0        0        0
## 763        0.0            0        0        0        0
## 764        0.0            0        0        0        0
## 765        0.0            0        0        0        0
## 766        0.0            0        0        0        0
## 767        0.0         7577        0        0        0
## 768        0.0            0        0        0        0
## 769        0.0            0        0        0        0
## 770        0.0            0        0        0        0
## 771        0.0        12300        0        0        0
## 772        0.0            0        0        0        0
## 773        0.0            0        0        0        0
## 774        0.0            0        0        0        0
## 775        0.0            0        0        0        0
## 776        0.0            0        0        0        0
## 777        0.0        30500        0        0        0
## 778        0.0            0        0        0        0
## 779        0.0        38400        0        0        0
## 780        0.0        20300        0        0        0
## 781        0.0            0        0        0        0
## 782        0.0            0        0        0        0
## 783        0.0        26000        0        0        0
## 784        0.0        63000        0        0        0
## 785        0.0       116500        0        0        0
## 786        0.0        43400        0        0        0
## 787        0.0        49900        0        0        0
## 788        0.0       133500        0        0        0
## 789        0.0        38400        0        0        0
## 790        0.0        56600        0        0        0
```

```
## 791     0.0    125700    0    0    0
## 792     0.0      9300    0    0    0
## 793     0.0         0    0    0    0
## 794     0.0         0    0    0    0
## 795     0.0         0    0    0    0
## 796     0.0         0    0    0    0
## 797     0.0         0    0    0    0
## 798     0.0         0    0    0    0
## 799     0.0         0    0    0    0
## 800     0.0     14300    0    0    0
## 801     0.0         0    0    0    0
## 802     0.0         0    0    0    0
## 803     0.0         0    0    0    0
## 804     0.0         0    0    0    0
## 805    60.7     25300    2    0    2
## 806     0.0         0    0    0    0
## 807     0.0     13800    0    0    0
## 808     0.0     24600    0    0    0
## 809     0.0         0    0    0    0
## 810     0.0         0    0    0    0
## 811     0.0         0    0    0    0
## 812     0.0     14200    0    0    0
## 813     0.0      8400    0    0    0
## 814     0.0       500    0    0    0
## 815     0.0     59000    0    0    0
## 816     0.0         0    0    0    0
## 817     0.0         0    0    0    0
## 818     0.0         0    0    0    0
## 819     0.0         0    0    0    0
## 820     0.0         0    0    0    0
## 821     0.0     26200    0    0    0
## 822     0.0      5800    0    0    0
## 823     0.0     37400    0    0    0
## 824     0.0      8600    0    0    0
## 825     0.0     16800    0    0    0
## 826     0.0     18500    0    0    0
## 827     0.0     17300    0    0    0
## 828     0.0     22100    0    0    0
## 829     0.0     19800    0    0    0
## 830     0.0     24900    0    0    0
## 831     0.0     48400    0    0    0
## 832     0.0     76200    0    0    0
## 833     0.0     14800    0    0    0
## 834     0.0     12100    0    0    0
## 835    30.5     27200    0    0    0
## 836    44.0     38500    0    6    2
## 837     0.0     18000    0    0    0
## 838     0.0     16600    0    0    0
## 839     0.0     39000    0    0    0
## 840     0.0     23000    0    0    0
## 841     0.0     22300    0    0    0
## 842     0.0      6700    0    0    0
## 843     0.0     13100    0    0    0
## 844     0.0     43600    0    0    0
```

```
## 845        0.0            29600       0          0          0
## 846        0.0            51000       0          0          0
## 847        0.0            10700       0          0          0
## 848        0.0            10700       0          0          0
## 849        0.0            19900       0          0          0
## 850        0.0            34100       0          0          0
## 851        0.0            60800       0          0          0
## 852        0.0            18600       0          0          0
## 853        0.0             8100       0          0          0
## 854        0.0             9900       0          0          0
## 855        0.0            34400       0          0          0
## 856        0.0            41100       0          0          0
## 857        0.0            36700       0          0          0
## 858        0.0            18300       0          0          0
## 859        0.0            14100       0          0          0
## 860        0.0            48588       0          0          0
## 861        0.0            17300       0          0          0
## 862        0.0            16300       0          0          0
## 863        0.0            24400       0          0          0
## 864        0.0             9400       0          0          0
## 865        0.0            23500       0          0          0
## 866        0.0            37000       0          0          0
## 867        0.0            54800       0          0          0
## 868        0.0            10300       0          0          0
## 869        0.0            31400       0          0          0
## 870        0.0            86900       0          0          0
## 871        0.0            26500       0          0          0
## 872        0.0            17000       0          0          0
## 873        0.0             9500       0          0          0
## 874        0.0            17700       0          0          0
## 875        0.0            32300       0          0          0
## 876        0.0           158200       0          0          0
## 877        0.0            27100       0          0          0
## 878        0.0            34600       0          0          0
## 879        0.0            49800       0          0          0
## 880        0.0           205600       0          0          0
## 881        0.0            37200       0          0          0
## 882        0.0            48500       0          0          0
## 883        0.0             7600       0          0          0
## 884        0.0            58200       0          0          0
## 885        0.0           326500       0          0          0
## 886        0.0            13800       0          0          0
## 887        0.0            23800       0          0          0
## 888        0.0            22600       0          0          0
## 889        0.0            10500       0          0          0
## 890        0.0             7900       0          0          0
## 891        0.0             9700       0          0          0
## 892        0.0            23100       0          0          0
## 893        0.0            24000       0          0          0
## 894        0.0            18500       0          0          0
## 895        0.0           131800       0          0          0
## 896        0.0            14800       0          0          0
## 897        0.0            12600       0          0          0
## 898        0.0            49400       0          0          0
```

```
## 899     0.0    28400    0    0     0
## 900    14.9    25100    2    2     8
## 901    59.1     6900    0    0    -4
## 902    82.5    46300    1    0     2
## 903    19.2    20800    0    0     1
## 904    86.1     6200    0    2     0
## 905    80.0    23500    3    7     2
## 906     0.0    13300    0    0     0
## 907     0.0    40700    0    0     0
## 908     0.0    21100    0    0     0
## 909     0.0    13500    0    0     0
## 910     0.0    18200    0    0     0
## 911     0.0    15400    0    0     0
## 912     0.0    36700    0    0     0
## 913     0.0    49800    0    0     0
## 914     0.0    12400    0    0     0
## 915     0.0    72900    0    0     0
## 916     0.0    24200    0    0     0
## 917     0.0    29900    0    0     0
## 918     0.0     3200    0    0     0
## 919     0.0    25100    0    0     0
## 920     0.0    32500    0    0     0
## 921     0.0     3200    0    0     0
## 922     0.0    14100    0    0     0
## 923     0.0     4600    0    0     0
## 924     0.0    21700    0    0     0
## 925     0.0    41000    0    0     0
## 926     0.0    21200    0    0     0
## 927     0.0    57600    0    0     0
## 928     0.0    13900    0    0     0
## 929     0.0    11800    0    0     0
## 930     0.0     5200    0    0     0
## 931     0.0     6000    0    0     0
## 932     0.0    14500    0    0     0
## 933     0.0    90078    0    0     0
## 934     0.0    23700    0    0     0
## 935     0.0    20100    0    0     0
## 936     0.0    29400    0    0     0
## 937     0.0    20200    0    0     0
## 938     0.0    26200    0    0     0
## 939     0.0     5500    0    0     0
## 940     0.0    17000    0    0     0
## 941     0.0    27500    0    0     0
## 942     0.0    23700    0    0     0
## 943     0.0    18700    0    0     0
## 944     0.0    10500    0    0     0
## 945     0.0    50100    0    0     0
## 946     0.0    31200    0    0     0
## 947     0.0    16300    0    0     0
## 948     0.0    14500    0    0     0
## 949     0.0    24800    0    0     0
## 950     0.0    61150    0    0     0
## 951     0.0    79700    0    0     0
## 952     0.0    22300    0    0     0
```

```
## 953      0.0       48600    0    0    0
## 954      0.0       32400    0    0    0
## 955      0.0      147300    0    0    0
## 956      0.0       19200    0    0    0
## 957      0.0        7800    0    0    0
## 958      0.0           0    0    0    0
## 959      0.0       18800    0    0    0
## 960      0.0           0    0    0    0
## 961      0.0           0    0    0    0
## 962      0.0           0    0    0    0
## 963      0.0           0    0    0    0
## 964      0.0       15700    0    0    0
## 965      0.0       72800    0    0    0
## 966      0.0           0    0    0    0
## 967      0.0       51000    0    0    0
## 968      0.0       41400    0    0    0
## 969      0.0       25800    0    0    0
## 970      0.0       15000    0    0    0
## 971      0.0      111700    0    0    0
## 972      0.0       36100    0    0    0
## 973      0.0       27800    0    0    0
## 974      0.0           0    0    0    0
## 975      0.0           0    0    0    0
## 976      0.0           0    0    0    0
## 977      0.0       20500    0    0    0
## 978      0.0           0    0    0    0
## 979      0.0       14800    0    0    0
## 980      0.0        8600    0    0    0
## 981      0.0           0    0    0    0
## 982      0.0           0    0    0    0
## 983      0.0           0    0    0    0
## 984      0.0       20400    0    0    0
## 985      0.0       34700    0    0    0
## 986      0.0        9700    0    0    0
## 987      0.0       32700    0    0    0
## 988      0.0           0    0    0    0
## 989      0.0           0    0    0    0
## 990      0.0           0    0    0    0
## 991      0.0       12300    0    0    0
## 992      0.0           0    0    0    0
## 993      0.0           0    0    0    0
## 994      0.0           0    0    0    0
## 995      0.0           0    0    0    0
## 996      0.0           0    0    0    0
## 997      0.0       25600    0    0    0
## 998      0.0           0    0    0    0
## 999      0.0           0    0    0    0
## 1000     0.0           0    0    0    0
## 1001     0.0           0    0    0    0
## 1002    30.4      223300    0    0    2
## 1003     0.0       13900    0    0    0
## 1004     0.0       25500    0    0    0
## 1005     0.0        9000    0    0    0
## 1006     0.0       16500    0    0    0
```

```
## 1007    0.0      27800    0    0    0
## 1008    0.0      18700    0    0    0
## 1009    0.0      13500    0    0    0
## 1010    0.0      30100    0    0    0
## 1011    0.0      16400    0    0    0
## 1012    0.0      28400    0    0    0
## 1013    0.0      79600    0    0    0
## 1014    0.0      74300    0    0    0
## 1015    0.0          0    0    0    0
## 1016    0.0          0    0    0    0
## 1017    0.0      47600    0    0    0
## 1018    0.0      12400    0    0    0
## 1019    0.0          0    0    0    0
## 1020    0.0       8900    0    0    0
## 1021   65.8      13400    1    0    1
## 1022    0.0          0    0    0    0
## 1023    0.0          0    0    0    0
## 1024    0.0          0    0    0    0
## 1025    0.0          0    0    0    0
## 1026    0.0          0    0    0    0
## 1027    0.0       4500    0    0    0
## 1028    0.0          0    0    0    0
## 1029    0.0          0    0    0    0
## 1030    0.0      16800    0    0    0
## 1031    0.0          0    0    0    0
## 1032    0.0      10900    0    0    0
## 1033    0.0       8600    0    0    0
## 1034    0.0       7600    0    0    0
## 1035    0.0       7700    0    0    0
## 1036    0.0          0    0    0    0
## 1037    0.0      11600    0    0    0
## 1038    0.0          0    0    0    0
## 1039    0.0      16000    0    0    0
## 1040    0.0          0    0    0    0
## 1041    0.0     109200    0    0    0
## 1042    0.0      10800    0    0    0
## 1043    0.0          0    0    0    0
## 1044    0.0          0    0    0    0
## 1045    0.0          0    0    0    0
## 1046    0.0          0    0    0    0
## 1047    0.0          0    0    0    0
## 1048    0.0          0    0    0    0
## 1049    0.0      58000    0    0    0
## 1050    0.0       6400    0    0    0
## 1051    0.0     209300    0    0    0
## 1052    0.0      18800    0    0    0
## 1053    0.0       7100    0    0    0
## 1054    0.0      21000    0    0    0
## 1055    0.0      21000    0    0    0
## 1056    0.0      18000    0    0    0
## 1057    0.0      56800    0    0    0
## 1058    0.0      19400    0    0    0
## 1059    0.0      27800    0    0    0
## 1060    0.0      30700    0    0    0
```

```
## 1061      0.0       18400    0    0    0
## 1062      0.0       14100    0    0    0
## 1063      0.0       36000    0    0    0
## 1064      0.0           0    0    0    0
## 1065      0.0       10800    0    0    0
## 1066      0.0           0    0    0    0
## 1067      0.0           0    0    0    0
## 1068      0.0       32200    0    0    0
## 1069      0.0           0    0    0    0
## 1070      0.0       14400    0    0    0
## 1071      0.0       23800    0    0    0
## 1072      0.0        8400    0    0    0
## 1073      0.0       22000    0    0    0
## 1074      0.0       14600    0    0    0
## 1075      0.0       15000    0    0    0
## 1076      0.0        7000    0    0    0
## 1077      0.0       43900    0    0    0
## 1078      0.0       13000    0    0    0
## 1079      0.0        4100    0    0    0
## 1080      0.0       11300    0    0    0
## 1081      0.0       10200    0    0    0
## 1082     36.5       11500    2    0    6
## 1083     38.4       68300    0    0    3
## 1084      0.0       36800    0    0    0
## 1085      0.0       52200    0    0    0
## 1086      0.0       57100    0    0    0
## 1087      0.0       17100    0    0    0
## 1088      0.0       31500    0    0    0
## 1089      0.0       11200    0    0    0
## 1090      0.0       17700    0    0    0
## 1091      0.0       21300    0    0    0
## 1092      0.0       14300    0    0    0
## 1093      0.0       11300    0    0    0
## 1094      0.0       18300    0    0    0
## 1095      0.0       32600    0    0    0
## 1096      0.0       10300    0    0    0
## 1097     43.1       36000    1    2    4
## 1098     31.4       60200    1    0    1
## 1099      0.0       90200    0    0    0
## 1100      0.0       46200    0    0    0
## 1101      0.0       14300    0    0    0
## 1102      0.0      120700    0    0    0
## 1103      0.0       19100    0    0    0
## 1104      0.0       13400    0    0    0
## 1105      0.0       30100    0    0    0
## 1106      0.0        9700    0    0    0
## 1107      0.0       40200    0    0    0
## 1108      0.0        7050    0    0    0
## 1109     31.7       12700    0    0    0
## 1110     85.7        4800    2    2    8
## 1111      0.0       34800    0    0    0
## 1112      0.0       38800    0    0    0
## 1113      0.0       11600    0    0    0
## 1114      0.0       20700    0    0    0
```

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```
## 1115     0.0      22400     0     0     0
## 1116     0.0      19100     0     0     0
## 1117     0.0      15200     0     0     0
## 1118     0.0       4100     0     0     0
## 1119     0.0      34000     0     0     0
## 1120     0.0       5200     0     0     0
## 1121     0.0       6800     0     0     0
## 1122     0.0      25500     0     0     0
## 1123     0.0      25100     0     0     0
## 1124     0.0      14200     0     0     0
## 1125     0.0      10300     0     0     0
## 1126    37.0      45400     1     4     7
## 1127     0.0      28100     0     0     0
## 1128     0.0      18800     0     0     0
## 1129     0.0       4600     0     0     0
## 1130     0.0      30700     0     0     0
## 1131     0.0      11105     0     0     0
## 1132     0.0      24300     0     0     0
## 1133     0.0      15600     0     0     0
## 1134     0.0      10100     0     0     0
## 1135     0.0       9200     0     0     0
## 1136     0.0      12800     0     0     0
## 1137     0.0      17900     0     0     0
## 1138     0.0      22600     0     0     0
## 1139     0.0      18500     0     0     0
## 1140     0.0       9100     0     0     0
## 1141     0.0      18800     0     0     0
## 1142     0.0       7600     0     0     0
## 1143     0.0      11700     0     0     0
## 1144     0.0      12900     0     0     0
## 1145     0.0       4400     0     0     0
## 1146     0.0      38500     0     0     0
## 1147     0.0      58000     0     0     0
## 1148     0.0      21700     0     0     0
## 1149     0.0      28300     0     0     0
## 1150     0.0      28800     0     0     0
## 1151     0.0     114000     0     0     0
## 1152     0.0      30500     0     0     0
## 1153     0.0      18000     0     0     0
## 1154     0.0      51500     0     0     0
## 1155     0.0      97300     0     0     0
## 1156     0.0      13700     0     0     0
## 1157     0.0      74200     0     0     0
## 1158     0.0     138900     0     0     0
## 1159     0.0      15200     0     0     0
## 1160     0.0      10800     0     0     0
## 1161     0.0      35000     0     0     0
## 1162     0.0      67600     0     0     0
## 1163     0.0      37900     0     0     0
## 1164     0.0      34600     0     0     0
## 1165     0.0      48300     0     0     0
## 1166     0.0      33700     0     0     0
## 1167     0.0      58900     0     0     0
## 1168     0.0       8700     0     0     0
```

```
## 1169      0.0       21900    0    0    0
## 1170      0.0        2800    0    0    0
## 1171      0.0       91600    0    0    0
## 1172      0.0       37600    0    0    0
## 1173      0.0        9300    0    0    0
## 1174      0.0       25700    0    0    0
## 1175      0.0        9700    0    0    0
## 1176      0.0       43600    0    0    0
## 1177      0.0        7800    0    0    0
## 1178      0.0       13000    0    0    0
## 1179      0.0      133800    0    0    0
## 1180      0.0       46000    0    0    0
## 1181      0.0       75200    0    0    0
## 1182      0.0       74000    0    0    0
## 1183      0.0       27500    0    0    0
## 1184     30.2       18900    0    0    3
## 1185     47.9       17400    2    3    3
## 1186    100.7        9900    2    1    1
## 1187      0.0       67500    0    0    0
## 1188      0.0        6800    0    0    0
## 1189      0.0        8300    0    0    0
## 1190      0.0       13700    0    0    0
## 1191      0.0        3000    0    0    0
## 1192      0.0        9800    0    0    0
## 1193      0.0       35300    0    0    0
## 1194      0.0        9200    0    0    0
## 1195      0.0       13100    0    0    0
## 1196      0.0       12800    0    0    0
## 1197      0.0        4700    0    0    0
## 1198      0.0       25100    0    0    0
## 1199      0.0       27600    0    0    0
## 1200      0.0       31000    0    0    0
## 1201      0.0       11600    0    0    0
## 1202      0.0       30600    0    0    0
## 1203      0.0       22200    0    0    0
## 1204      0.0       19800    0    0    0
## 1205      0.0       23800    0    0    0
## 1206      0.0       17000    0    0    0
## 1207      0.0       37100    0    0    0
## 1208      0.0       23700    0    0    0
## 1209      0.0       24000    0    0    0
## 1210      0.0        6300    0    0    0
## 1211      0.0       95000    0    0    0
## 1212      0.0      181600    0    0    0
## 1213      0.0       35500    0    0    0
## 1214      0.0        8300    0    0    0
## 1215      0.0       16400    0    0    0
## 1216      0.0      112800    0    0    0
## 1217      0.0      148100    0    0    0
## 1218      0.0      133700    0    0    0
## 1219      0.0       18900    0    0    0
## 1220      0.0        8900    0    0    0
## 1221      0.0       19700    0    0    0
## 1222      0.0       14300    0    0    0
```

```
## 1223      0.0      41000    0    0    0
## 1224      0.0      27800    0    0    0
## 1225      0.0      46000    0    0    0
## 1226      0.0       2600    0    0    0
## 1227      0.0      18600    0    0    0
## 1228      0.0      14000    0    0    0
## 1229      0.0      45200    0    0    0
## 1230      0.0      34000    0    0    0
## 1231      0.0       9300    0    0    0
## 1232      0.0       5700    0    0    0
## 1233     19.7      37200    0    0    3
## 1234     32.8      35300    0    0    2
## 1235      0.0      64700    0    0    0
## 1236      0.0      19500    0    0    0
## 1237      0.0      14300    0    0    0
## 1238      0.0       9000    0    0    0
## 1239      0.0      23700    0    0    0
## 1240      0.0      25600    0    0    0
## 1241      0.0       3100    0    0    0
## 1242      0.0       5300    0    0    0
## 1243      0.0      17100    0    0    0
## 1244      0.0      12500    0    0    0
## 1245      0.0      14200    0    0    0
## 1246      0.0       6500    0    0    0
## 1247      0.0      10800    0    0    0
## 1248      0.0      16200    0    0    0
## 1249      0.0      13600    0    0    0
## 1250      0.0       4700    0    0    0
## 1251      0.0      61500    0    0    0
## 1252      0.0      31700    0    0    0
## 1253      0.0      17600    0    0    0
## 1254      0.0      14400    0    0    0
## 1255      0.0      15100    0    0    0
## 1256      0.0      11000    0    0    0
## 1257      0.0       7100    0    0    0
## 1258      0.0      14400    0    0    0
## 1259      0.0      15200    0    0    0
## 1260      0.0      22000    0    0    0
## 1261      0.0      23400    0    0    0
## 1262      0.0      23600    0    0    0
## 1263      0.0      16700    0    0    0
## 1264      0.0      11100    0    0    0
## 1265      0.0      22500    0    0    0
## 1266      0.0      25600    0    0    0
## 1267      0.0       4900    0    0    0
## 1268      0.0      41200    0    0    0
## 1269      0.0       2300    0    0    0
## 1270      0.0      20700    0    0    0
## 1271      0.0          0    0    0    0
## 1272      0.0          0    0    0    0
## 1273      0.0      11300    0    0    0
## 1274      0.0      31300    0    0    0
## 1275      0.0      44000    0    0    0
## 1276      0.0     188900    0    0    0
```

```
## 1277    0.0         103400    0    0    0
## 1278    0.0          58800    0    0    0
## 1279    0.0         141500    0    0    0
## 1280    0.0          64000    0    0    0
## 1281    0.0              0    0    0    0
## 1282    0.0              0    0    0    0
## 1283    0.0          69496    0    0    0
## 1284    0.0              0    0    0    0
## 1285    0.0              0    0    0    0
## 1286    0.0              0    0    0    0
## 1287    0.0              0    0    0    0
## 1288    0.0              0    0    0    0
## 1289    0.0          24500    0    0    0
## 1290    0.0              0    0    0    0
## 1291    0.0              0    0    0    0
## 1292    0.0              0    0    0    0
## 1293    0.0              0    0    0    0
## 1294    0.0              0    0    0    0
## 1295    0.0              0    0    0    0
## 1296    0.0              0    0    0    0
## 1297    0.0          63400    0    0    0
## 1298    0.0          10700    0    0    0
## 1299    0.0          33100    0    0    0
## 1300    0.0          12000    0    0    0
## 1301    0.0          16600    0    0    0
## 1302    0.0          20500    0    0    0
## 1303    0.0          15300    0    0    0
## 1304    0.0          78000    0    0    0
## 1305    0.0          45500    0    0    0
## 1306    0.0          71700    0    0    0
## 1307    0.0          31100    0    0    0
## 1308    0.0          47500    0    0    0
## 1309    0.0          12900    0    0    0
## 1310    0.0          44100    0    0    0
## 1311    0.0          31900    0    0    0
## 1312    0.0           4100    0    0    0
## 1313    0.0          10700    0    0    0
## 1314    0.0           7200    0    0    0
## 1315    0.0              0    0    0    0
## 1316    0.0          49000    0    0    0
## 1317    0.0          19200    0    0    0
## 1318    0.0          21100    0    0    0
## 1319    0.0          12200    0    0    0
## 1320    0.0          84540    0    0    0
## 1321    0.0          24100    0    0    0
## 1322    0.0              0    0    0    0
## 1323    0.0          19100    0    0    0
## 1324    0.0          67300    0    0    0
## 1325    0.0          18400    0    0    0
## 1326    0.0          12900    0    0    0
## 1327    0.0          39300    0    0    0
## 1328    0.0          26500    0    0    0
## 1329    0.0          33700    0    0    0
## 1330    0.0          18400    0    0    0
```

```
## 1331      0.0        3600      0      0      0
## 1332      0.0       18600      0      0      0
## 1333      0.0       11900      0      0      0
## 1334      0.0       18500      0      0      0
## 1335      0.0       34600      0      0      0
## 1336      0.0       17500      0      0      0
## 1337      0.0           0      0      0      0
## 1338      0.0       26000      0      0      0
## 1339      0.0       31400      0      0      0
## 1340      0.0       29000      0      0      0
## 1341      0.0       13100      0      0      0
## 1342      0.0       38700      0      0      0
## 1343      0.0       66500      0      0      0
## 1344      0.0       30600      0      0      0
## 1345      0.0       91300      0      0      0
## 1346      0.0      121400      0      0      0
## 1347      0.0       17500      0      0      0
## 1348      0.0       17200      0      0      0
## 1349      0.0       32100      0      0      0
## 1350      0.0       49400      0      0      0
## 1351      0.0       37700      0      0      0
## 1352      0.0       58700      0      0      0
## 1353      0.0        4500      0      0      0
## 1354      0.0       10000      0      0      0
## 1355     65.0        8300      0      3      0
## 1356     48.2       41800      0      0      0
## 1357      0.0        7300      0      0      0
## 1358      0.0      114200      0      0      0
## 1359      0.0       74300      0      0      0
## 1360      0.0       20100      0      0      0
## 1361      0.0       63600      0      0      0
## 1362      0.0       32500      0      0      0
## 1363      0.0       45100      0      0      0
## 1364      0.0       25000      0      0      0
## 1365      0.0        9100      0      0      0
## 1366      0.0       38800      0      0      0
## 1367      0.0       32700      0      0      0
## 1368      0.0       37600      0      0      0
## 1369      0.0       20000      0      0      0
## 1370      0.0       59500      0      0      0
## 1371      0.0      142800      0      0      0
## 1372      0.0      192600      0      0      0
## 1373      0.0       13500      0      0      0
## 1374      0.0       40000      0      0      0
## 1375      0.0       14100      0      0      0
## 1376      0.0       13000      0      0      0
## 1377      0.0        8500      0      0      0
## 1378      0.0       31550      0      0      0
## 1379      0.0       47600      0      0      0
## 1380      0.0       49700      0      0      0
## 1381      0.0       17100      0      0      0
## 1382      0.0       27300      0      0      0
## 1383      0.0       15500      0      0      0
## 1384      0.0      106900      0      0      0
```

```
## 1385    0.0      38600      0      0      0
## 1386    0.0      77100      0      0      0
## 1387    0.0      63560      0      0      0
## 1388    0.0      60300      0      0      0
## 1389    0.0      46800      0      0      0
## 1390    0.0      54600      0      0      0
## 1391    0.0      35400      0      0      0
## 1392    0.0      54500      0      0      0
## 1393    0.0     113600      0      0      0
## 1394    0.0      28800      0      0      0
## 1395    0.0      35900      0      0      0
## 1396    0.0      57800      0      0      0
## 1397    0.0      52400      0      0      0
## 1398    0.0      80700      0      0      0
## 1399    0.0      37000      0      0      0
## 1400    0.0     117000      0      0      0
## 1401    0.0      59400      0      0      0
## 1402    0.0       8700      0      0      0
## 1403    0.0      31500      0      0      0
## 1404    0.0      31500      0      0      0
## 1405    0.0      10000      0      0      0
## 1406    0.0      10200      0      0      0
## 1407    0.0      28600      0      0      0
## 1408    0.0      17300      0      0      0
## 1409    0.0      78300      0      0      0
## 1410    0.0      30700      0      0      0
## 1411    0.0      84700      0      0      0
## 1412    0.0      96000      0      0      0
## 1413    0.0      14800      0      0      0
## 1414    0.0      26700      0      0      0
## 1415    0.0      69200      0      0      0
## 1416    0.0      74600      0      0      0
## 1417    0.0      27900      0      0      0
## 1418    0.0      34700      0      0      0
## 1419    0.0      32400      0      0      0
## 1420    0.0      21900      0      0      0
## 1421    0.0      39000      0      0      0
## 1422    0.0      13200      0      0      0
## 1423    0.0      13200      0      0      0
## 1424    0.0      62800      0      0      0
## 1425    0.0      47800      0      0      0
## 1426    0.0      63500      0      0      0
## 1427    0.0      32600      0      0      0
## 1428    0.0      45100      0      0      0
## 1429    0.0      23400      0      0      0
## 1430    0.0      11500      0      0      0
## 1431    0.0      23600      0      0      0
## 1432    0.0      69300      0      0      0
## 1433   13.3      57700      2      3      2
## 1434    0.0          0      0      0      0
## 1435    0.0          0      0      0      0
## 1436    0.0          0      0      0      0
## 1437    0.0          0      0      0      0
## 1438    0.0          0      0      0      0
```

```
## 1439    0.0          0      0       0         0
## 1440    0.0          0      0       0         0
## 1441    0.0          0      0       0         0
## 1442    0.0      45300      0       0         0
## 1443    0.0          0      0       0         0
## 1444    0.0     117700      0       0         0
## 1445    0.0          0      0       0         0
## 1446    0.0          0      0       0         0
## 1447    0.0          0      0       0         0
## 1448    0.0       9700      0       0         0
## 1449    0.0      20000      0       0         0
## 1450    0.0      24500      0       0         0
## 1451    0.0      16600      0       0         0
## 1452    0.0      26300      0       0         0
## 1453    0.0      21700      0       0         0
## 1454    0.0      28400      0       0         0
## 1455    0.0      26400      0       0         0
## 1456    0.0      23700      0       0         0
## 1457    0.0      34800      0       0         0
## 1458    0.0      23600      0       0         0
## 1459    0.0          0      0       0         0
## 1460    0.0      13100      0       0         0
## 1461    0.0          0      0       0         0
## 1462    0.0          0      0       0         0
## 1463    0.0      13600      0       0         0
## 1464    0.0       6200      0       0         0
## 1465    0.0      27400      0       0         0
## 1466    0.0      63100      0       0         0
## 1467    0.0       9300      0       0         0
## 1468    0.0      37000      0       0         0
## 1469    0.0      15300      0       0         0
## 1470    0.0      12600      0       0         0
## 1471    0.0       6200      0       0         0
## 1472    0.0      16100      0       0         0
## 1473    0.0      10900      0       0         0
## 1474   23.6      53300      0       0         3
## 1475   30.5      35400      1       0         0
## 1476   19.6     138000      3       0         2
## 1477    0.0      24600      0       0         0
## 1478    0.0      13500      0       0         0
## 1479    0.0      19300      0       0         0
## 1480    0.0      23400      0       0         0
## 1481    0.0      15300      0       0         0
## 1482    0.0      11300      0       0         0
## 1483    0.0       6700      0       0         0
## 1484    0.0      11300      0       0         0
## 1485    0.0      25600      0       0         0
## 1486    0.0      47000      0       0         0
## 1487    0.0      11700      0       0         0
## 1488    0.0      20800      0       0         0
## 1489    0.0       5300      0       0         0
## 1490    0.0      14100      0       0         0
## 1491    0.0      13000      0       0         0
## 1492    0.0          0      0       0         0
```

```
## 1493    0.0            0    0         0         0
## 1494    0.0            0    0         0         0
## 1495    0.0            0    0         0         0
## 1496    0.0            0    0         0         0
## 1497    0.0        13216    0         0         0
## 1498    0.0        26700    0         0         0
## 1499    0.0            0    0         0         0
## 1500    0.0        21200    0         0         0
## 1501    0.0        17700    0         0         0
## 1502    0.0         9000    0         0         0
## 1503    0.0        33000    0         0         0
## 1504    0.0        26600    0         0         0
## 1505    0.0        21100    0         0         0
## 1506    0.0        16200    0         0         0
## 1507    0.0        14300    0         0         0
## 1508    0.0        23100    0         0         0
## 1509    0.0        13000    0         0         0
## 1510    0.0        46500    0         0         0
## 1511    0.0        30400    0         0         0
## 1512    0.0        28900    0         0         0
## 1513    0.0         4100    0         0         0
## 1514    0.0        58800    0         0         0
## 1515    0.0         7400    0         0         0
## 1516    0.0        61200    0         0         0
## 1517    0.0        54500    0         0         0
## 1518    0.0        12000    0         0         0
## 1519    0.0         4700    0         0         0
## 1520    0.0        45629    0         0         0
## 1521    0.0         4700    0         0         0
## 1522    0.0            0    0         0         0
## 1523    0.0        81700    0         0         0
## 1524    0.0        15300    0         0         0
## 1525    0.0        10900    0         0         0
## 1526    0.0         9600    0         0         0
## 1527    0.0        32100    0         0         0
## 1528    0.0        20600    0         0         0
## 1529    0.0         9400    0         0         0
## 1530    0.0        37600    0         0         0
## 1531    0.0        28500    0         0         0
## 1532    0.0        13800    0         0         0
## 1533    0.0        21100    0         0         0
## 1534    0.0        26200    0         0         0
## 1535    0.0        21700    0         0         0
## 1536    0.0        32500    0         0         0
## 1537    0.0            0    0         0         0
## 1538    0.0            0    0         0         0
## 1539    0.0        36500    0         0         0
## 1540    0.0        17700    0         0         0
## 1541    0.0         6500    0         0         0
## 1542    0.0        53100    0         0         0
## 1543    0.0        14850    0         0         0
## 1544    0.0        21700    0         0         0
## 1545    0.0         7100    0         0         0
## 1546    0.0        13800    0         0         0
```

```
## 1547      0.0         27300    0         0         0
## 1548      0.0         38900    0         0         0
## 1549      0.0          7600    0         0         0
## 1550      0.0          4600    0         0         0
## 1551      0.0         21900    0         0         0
## 1552      0.0         12300    0         0         0
## 1553      0.0         14100    0         0         0
## 1554      0.0         27100    0         0         0
## 1555      0.0         20500    0         0         0
## 1556      0.0         18600    0         0         0
## 1557      0.0         41500    0         0         0
## 1558      0.0         35700    0         0         0
## 1559      0.0         32200    0         0         0
## 1560      0.0         14300    0         0         0
## 1561      0.0         16900    0         0         0
## 1562      0.0          3800    0         0         0
## 1563      0.0         17100    0         0         0
## 1564      0.0         18700    0         0         0
## 1565      0.0         16400    0         0         0
## 1566      0.0         59300    0         0         0
## 1567      0.0          8500    0         0         0
## 1568      0.0          9100    0         0         0
## 1569      0.0         17500    0         0         0
## 1570      0.0         17700    0         0         0
## 1571      0.0         24400    0         0         0
## 1572      0.0         13000    0         0         0
## 1573      0.0         20600    0         0         0
## 1574      0.0          4300    0         0         0
## 1575      0.0         23000    0         0         0
## 1576      0.0         12200    0         0         0
## 1577      0.0          9000    0         0         0
## 1578      0.0         14900    0         0         0
## 1579      0.0         25900    0         0         0
## 1580      0.0         12500    0         0         0
## 1581      0.0         19100    0         0         0
## 1582      0.0         15300    0         0         0
## 1583      0.0         19900    0         0         0
## 1584      0.0         29000    0         0         0
## 1585      0.0         13800    0         0         0
## 1586      0.0         27600    0         0         0
## 1587      0.0         34700    0         0         0
## 1588      0.0         11300    0         0         0
## 1589      0.0          6200    0         0         0
## 1590      0.0         63300    0         0         0
## 1591      0.0         14400    0         0         0
## 1592      0.0         10200    0         0         0
## 1593      0.0         13400    0         0         0
## 1594      0.0         19100    0         0         0
## 1595      0.0         42100    0         0         0
## 1596      0.0         12000    0         0         0
## 1597      0.0         15000    0         0         0
## 1598      0.0          9900    0         0         0
## 1599      0.0             0    0         0         0
## 1600      0.0         19600    0         0         0
```

```
## 1601     0.0         50000    0    0    0
## 1602     0.0        149100    0    0    0
## 1603     0.0         23600    0    0    0
## 1604     0.0         41200    0    0    0
## 1605     0.0         14700    0    0    0
## 1606     0.0         22400    0    0    0
## 1607     0.0         33400    0    0    0
## 1608     0.0         17300    0    0    0
## 1609     0.0         26200    0    0    0
## 1610     0.0         64500    0    0    0
## 1611     0.0         44300    0    0    0
## 1612     0.0         91200    0    0    0
## 1613     0.0         19100    0    0    0
## 1614     0.0         30500    0    0    0
## 1615     0.0        122800    0    0    0
## 1616     0.0         34900    0    0    0
## 1617     0.0         72000    0    0    0
## 1618     0.0         24200    0    0    0
## 1619     0.0         93200    0    0    0
## 1620     0.0         27800    0    0    0
## 1621     0.0         27000    0    0    0
## 1622     0.0         25900    0    0    0
## 1623     0.0         85800    0    0    0
## 1624     0.0        225824    0    0    0
## 1625     0.0         42800    0    0    0
## 1626     0.0         43700    0    0    0
## 1627     0.0             0    0    0    0
## 1628     0.0          8000    0    0    0
## 1629     0.0         52500    0    0    0
## 1630     0.0         57500    0    0    0
## 1631     0.0             0    0    0    0
## 1632     0.0             0    0    0    0
## 1633     0.0         13300    0    0    0
## 1634     0.0         46715    0    0    0
## 1635     0.0             0    0    0    0
## 1636     0.0         14800    0    0    0
## 1637     0.0             0    0    0    0
## 1638     0.0             0    0    0    0
## 1639     0.0             0    0    0    0
## 1640     0.0             0    0    0    0
## 1641     0.0             0    0    0    0
## 1642     0.0             0    0    0    0
## 1643     0.0             0    0    0    0
## 1644     0.0             0    0    0    0
## 1645     0.0         97700    0    0    0
## 1646     0.0             0    0    0    0
## 1647     0.0          7800    0    0    0
## 1648     0.0         28500    0    0    0
## 1649     0.0         45800    0    0    0
## 1650     0.0         30400    0    0    0
## 1651     0.0         13200    0    0    0
## 1652     0.0         11300    0    0    0
## 1653     0.0             0    0    0    0
## 1654     0.0             0    0    0    0
```

```
## 1655    0.0          0      0          0          0
## 1656    0.0      11500      0          0          0
## 1657    0.0       9600      0          0          0
## 1658    0.0      12900      0          0          0
## 1659    0.0      21900      0          0          0
## 1660    0.0      92600      0          0          0
## 1661    0.0      71800      0          0          0
## 1662    0.0      27700      0          0          0
## 1663    0.0      62400      0          0          0
## 1664    0.0      61700      0          0          0
## 1665    0.0      29600      0          0          0
## 1666    0.0      13100      0          0          0
## 1667    0.0       5400      0          0          0
## 1668    0.0      73300      0          0          0
## 1669    0.0      20200      0          0          0
## 1670    0.0      10000      0          0          0
## 1671    0.0       7800      0          0          0
## 1672    0.0       9700      0          0          0
## 1673    0.0      43000      0          0          0
## 1674    0.0      21800      0          0          0
## 1675    0.0      10700      0          0          0
## 1676    0.0      55700      0          0          0
## 1677    0.0      17800      0          0          0
## 1678    0.0      13900      0          0          0
## 1679    0.0      53500      0          0          0
## 1680    0.0      23300      0          0          0
## 1681    0.0      17400      0          0          0
## 1682    0.0      41400      0          0          0
## 1683    0.0      56100      0          0          0
## 1684    0.0      26200      0          0          0
## 1685    0.0     178100      0          0          0
## 1686    0.0      39600      0          0          0
## 1687    0.0       5500      0          0          0
## 1688    0.0      98100      0          0          0
## 1689    0.0      22200      0          0          0
## 1690    0.0      22900      0          0          0
## 1691    0.0      12800      0          0          0
## 1692    0.0       7200      0          0          0
## 1693    0.0      10800      0          0          0
## 1694    0.0      24100      0          0          0
## 1695    0.0      39900      0          0          0
## 1696    0.0      15700      0          0          0
## 1697    0.0      20500      0          0          0
## 1698    0.0       8700      0          0          0
## 1699    0.0       7900      0          0          0
## 1700    0.0      81300      0          0          0
## 1701    0.0       8200      0          0          0
## 1702    0.0      18300      0          0          0
## 1703    0.0      51400      0          0          0
## 1704    0.0       6500      0          0          0
## 1705    0.0       7700      0          0          0
## 1706    0.0      17500      0          0          0
## 1707    0.0       5300      0          0          0
## 1708    0.0       9600      0          0          0
```

```
## 1709    0.0         21500    0    0    0
## 1710    0.0         12600    0    0    0
## 1711    0.0          7800    0    0    0
## 1712    0.0         32000    0    0    0
## 1713    0.0         16100    0    0    0
## 1714    0.0         25000    0    0    0
## 1715    0.0         25700    0    0    0
## 1716    0.0         19100    0    0    0
## 1717    0.0         40700    0    0    0
## 1718    0.0         15300    0    0    0
## 1719    0.0         19700    0    0    0
## 1720    0.0         32500    0    0    0
## 1721    0.0         12300    0    0    0
## 1722    0.0         33700    0    0    0
## 1723    0.0         62200    0    0    0
## 1724    0.0         49100    0    0    0
## 1725    0.0          4700    0    0    0
## 1726    0.0         60000    0    0    0
## 1727    0.0         52200    0    0    0
## 1728    0.0         24500    0    0    0
## 1729    0.0         53300    0    0    0
## 1730    0.0         25000    0    0    0
## 1731    0.0         10300    0    0    0
## 1732    0.0         48900    0    0    0
## 1733    0.0         48500    0    0    0
## 1734    0.0         10100    0    0    0
## 1735    0.0             0    0    0    0
## 1736    0.0         31300    0    0    0
## 1737    0.0         17400    0    0    0
## 1738    0.0             0    0    0    0
## 1739    0.0         43900    0    0    0
## 1740    0.0         20700    0    0    0
## 1741    0.0          7000    0    0    0
## 1742    0.0         36500    0    0    0
## 1743    0.0         41600    0    0    0
## 1744    0.0         12800    0    0    0
## 1745    0.0             0    0    0    0
## 1746    0.0          9200    0    0    0
## 1747    0.0         27600    0    0    0
## 1748    0.0             0    0    0    0
## 1749    0.0             0    0    0    0
## 1750    0.0             0    0    0    0
## 1751    0.0         14200    0    0    0
## 1752    0.0          9300    0    0    0
## 1753    0.0         10100    0    0    0
## 1754    0.0         10450    0    0    0
## 1755    0.0          7700    0    0    0
## 1756    0.0         12100    0    0    0
## 1757    0.0         14100    0    0    0
## 1758    0.0          3200    0    0    0
## 1759    0.0         22300    0    0    0
## 1760    0.0         28800    0    0    0
## 1761    0.0         15100    0    0    0
## 1762    0.0          6940    0    0    0
```

```
## 1763   18.3        21200    0         0           -4
## 1764   33.6        53200    0         0            0
## 1765    0.0        66200    0         0            0
## 1766    0.0        24200    0         0            0
## 1767    0.0        31100    0         0            0
## 1768    0.0        14600    0         0            0
## 1769    0.0       132200    0         0            0
## 1770    0.0        12400    0         0            0
## 1771    0.0         4400    0         0            0
## 1772    0.0        21000    0         0            0
## 1773    0.0        30100    0         0            0
## 1774    0.0        76600    0         0            0
## 1775    0.0        19100    0         0            0
## 1776    0.0        20260    0         0            0
## 1777    0.0        24200    0         0            0
## 1778    0.0        29200    0         0            0
## 1779    0.0        29700    0         0            0
## 1780    0.0        22600    0         0            0
## 1781    0.0       116900    0         0            0
## 1782    0.0        24000    0         0            0
## 1783    0.0        21100    0         0            0
## 1784    0.0        32100    0         0            0
## 1785    0.0        23300    0         0            0
## 1786    0.0        18500    0         0            0
## 1787    0.0         3300    0         0            0
## 1788    0.0         8100    0         0            0
## 1789    0.0        14700    0         0            0
## 1790    0.0        21300    0         0            0
## 1791    0.0        49100    0         0            0
## 1792    0.0        37100    0         0            0
## 1793    0.0        20000    0         0            0
## 1794    0.0        22000    0         0            0
## 1795    0.0        43900    0         0            0
## 1796    0.0        44522    0         0            0
## 1797    0.0        10400    0         0            0
## 1798   51.6        27200    3         0            2
## 1799   80.3         5600    0         0            0
## 1800    0.0         6600    0         0            0
## 1801    0.0         5400    0         0            0
## 1802    0.0         4900    0         0            0
## 1803    0.0        13500    0         0            0
## 1804    0.0        20000    0         0            0
## 1805    0.0        20700    0         0            0
## 1806    0.0         6900    0         0            0
## 1807    0.0        13000    0         0            0
## 1808    0.0        14700    0         0            0
## 1809    0.0         2600    0         0            0
## 1810    0.0        28800    0         0            0
## 1811    0.0         7100    0         0            0
## 1812    0.0        37400    0         0            0
## 1813    0.0         9500    0         0            0
## 1814    0.0         2900    0         0            0
## 1815    0.0        13400    0         0            0
## 1816    0.0         6600    0         0            0
```

```
## 1817      0.0        3400    0       0       0
## 1818      0.0        2700    0       0       0
## 1819      0.0       13100    0       0       0
## 1820      0.0       11300    0       0       0
## 1821     55.0       14900    0       2       1
## 1822     47.5       36900    1       0       1
## 1823     46.1       80700    1       0       2
## 1824     39.0       62800    0       1       3
## 1825     43.5       37200    1       0       1
## 1826     58.6       45900    0       2       0
## 1827     66.8       30600    0       1       1
## 1828      0.0       30400    0       0       0
## 1829      0.0           0    0       0       0
## 1830      0.0           0    0       0       0
## 1831      0.0           0    0       0       0
## 1832      0.0       18500    0       0       0
## 1833      0.0       61615    0       0       0
## 1834      0.0       57700    0       0       0
## 1835      0.0       26650    0       0       0
## 1836      0.0       23300    0       0       0
## 1837      0.0       31600    0       0       0
## 1838      0.0       17300    0       0       0
## 1839      0.0       15200    0       0       0
## 1840      0.0        6000    0       0       0
## 1841     51.8       28200    1       0       1
## 1842      0.0       28900    0       0       0
## 1843      0.0       50600    0       0       0
## 1844      0.0       29500    0       0       0
## 1845      0.0       71700    0       0       0
## 1846      0.0       18000    0       0       0
## 1847      0.0       68000    0       0       0
## 1848      0.0       38800    0       0       0
## 1849      0.0       47900    0       0       0
## 1850      0.0       24500    0       0       0
## 1851      0.0       27500    0       0       0
## 1852      0.0       48500    0       0       0
## 1853      0.0      133500    0       0       0
## 1854      0.0      109900    0       0       0
## 1855      0.0       12900    0       0       0
## 1856      0.0       18700    0       0       0
## 1857      0.0       36100    0       0       0
## 1858      0.0        6800    0       0       0
## 1859      0.0       52300    0       0       0
## 1860      0.0       44900    0       0       0
## 1861      0.0       34100    0       0       0
## 1862      0.0       48300    0       0       0
## 1863      0.0       43200    0       0       0
## 1864      0.0        8700    0       0       0
## 1865      0.0       61900    0       0       0
## 1866      0.0       21600    0       0       0
## 1867      0.0       19000    0       0       0
## 1868      0.0       11900    0       0       0
## 1869      0.0       18175    0       0       0
## 1870      0.0       20200    0       0       0
```

```
## 1871     0.0        16700      0          0          0
## 1872     0.0        23900      0          0          0
## 1873     0.0        14600      0          0          0
## 1874     0.0        46200      0          0          0
## 1875     0.0        10100      0          0          0
## 1876     0.0       116687      0          0          0
## 1877     0.0        65400      0          0          0
## 1878     0.0         7000      0          0          0
## 1879     0.0        11800      0          0          0
## 1880     0.0        35400      0          0          0
## 1881     0.0        16000      0          0          0
## 1882     0.0        33500      0          0          0
## 1883     0.0        23700      0          0          0
## 1884     0.0         5000      0          0          0
## 1885     0.0        19100      0          0          0
## 1886     0.0        21500      0          0          0
## 1887     0.0        36200      0          0          0
## 1888     0.0        13900      0          0          0
## 1889     0.0        29800      0          0          0
## 1890     0.0         6550      0          0          0
## 1891     0.0        25400      0          0          0
## 1892     0.0        35400      0          0          0
## 1893     0.0        15400      0          0          0
## 1894     0.0        21600      0          0          0
## 1895     0.0        12700      0          0          0
## 1896     0.0         4600      0          0          0
## 1897     0.0         2000      0          0          0
## 1898     0.0        17600      0          0          0
## 1899     0.0       124700      0          0          0
## 1900     0.0        32800      0          0          0
## 1901     0.0        18200      0          0          0
## 1902     0.0        17300      0          0          0
## 1903     0.0        14200      0          0          0
## 1904     0.0        12500      0          0          0
## 1905     0.0        25500      0          0          0
## 1906     0.0        24600      0          0          0
## 1907     0.0        21000      0          0          0
## 1908     0.0        19000      0          0          0
## 1909     0.0        23900      0          0          0
## 1910     0.0        58600      0          0          0
## 1911     0.0        27600      0          0          0
## 1912     0.0         8100      0          0          0
## 1913     0.0        50700      0          0          0
## 1914     0.0         6300      0          0          0
## 1915     0.0        73600      0          0          0
## 1916     0.0        34000      0          0          0
## 1917     0.0        51500      0          0          0
## 1918     0.0        18700      0          0          0
## 1919     0.0        17600      0          0          0
## 1920     0.0        50700      0          0          0
## 1921     0.0        22900      0          0          0
## 1922     0.0        39900      0          0          0
## 1923     0.0        21900      0          0          0
## 1924     0.0        55900      0          0          0
```

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```
## 1925      0.0      10074      0      0      0
## 1926      0.0       7100      0      0      0
## 1927      0.0      10100      0      0      0
## 1928      0.0     103950      0      0      0
## 1929      0.0       3900      0      0      0
## 1930      0.0       5100      0      0      0
## 1931      0.0      54800      0      0      0
## 1932      0.0       9500      0      0      0
## 1933      0.0      19200      0      0      0
## 1934      0.0      72300      0      0      0
## 1935      0.0      17700      0      0      0
## 1936      0.0      25700      0      0      0
## 1937      0.0      14800      0      0      0
## 1938      0.0      18900      0      0      0
## 1939      0.0      31000      0      0      0
## 1940      0.0      18600      0      0      0
## 1941      0.0      26400      0      0      0
## 1942      0.0       7400      0      0      0
## 1943      0.0      37100      0      0      0
## 1944      0.0      32300      0      0      0
## 1945      0.0       8500      0      0      0
## 1946      0.0      28200      0      0      0
## 1947      0.0      31600      0      0      0
## 1948      0.0     163000      0      0      0
## 1949      0.0      20400      0      0      0
## 1950      0.0      33800      0      0      0
## 1951      0.0       3800      0      0      0
## 1952      0.0      44500      0      0      0
## 1953      0.0       2700      0      0      0
## 1954      0.0      14500      0      0      0
## 1955      0.0      40800      0      0      0
## 1956      0.0      15000      0      0      0
## 1957      0.0      43600      0      0      0
## 1958      0.0      27300      0      0      0
## 1959      0.0      29800      0      0      0
## 1960      0.0       2300      0      0      0
## 1961      0.0      25700      0      0      0
## 1962      0.0      20400      0      0      0
## 1963      0.0      21100      0      0      0
## 1964      0.0       8600      0      0      0
## 1965      0.0      25200      0      0      0
## 1966      0.0       2500      0      0      0
## 1967      0.0      20100      0      0      0
## 1968      0.0      56400      0      0      0
## 1969      0.0      18700      0      0      0
## 1970      0.0      12300      0      0      0
## 1971      0.0      14900      0      0      0
## 1972      0.0       8800      0      0      0
## 1973      0.0      13600      0      0      0
## 1974      0.0      40700      0      0      0
## 1975      0.0      14300      0      0      0
## 1976      0.0      13750      0      0      0
## 1977      0.0      99000      0      0      0
## 1978      0.0      23000      0      0      0
```

```
## 1979    0.0    12300    0    0    0
## 1980    0.0     9400    0    0    0
## 1981    0.0    11000    0    0    0
## 1982    0.0    17800    0    0    0
## 1983    0.0     8800    0    0    0
## 1984    0.0    21000    0    0    0
## 1985    0.0    26700    0    0    0
## 1986    0.0    41800    0    0    0
## 1987    0.0    10200    0    0    0
## 1988    0.0    34100    0    0    0
## 1989    0.0    13400    0    0    0
## 1990    0.0    16700    0    0    0
## 1991    0.0     9400    0    0    0
## 1992    0.0     8200    0    0    0
## 1993    0.0     9200    0    0    0
## 1994    0.0    13200    0    0    0
## 1995    0.0     9200    0    0    0
## 1996    0.0    15000    0    0    0
## 1997    0.0    76200    0    0    0
## 1998    0.0    16300    0    0    0
## 1999    0.0    54000    0    0    0
## 2000    0.0    22600    0    0    0
## 2001    0.0    15900    0    0    0
## 2002    0.0     6900    0    0    0
## 2003    0.0    14300    0    0    0
## 2004    0.0     4450    0    0    0
## 2005    0.0    22800    0    0    0
## 2006    0.0    31800    0    0    0
## 2007    0.0    20500    0    0    0
## 2008    0.0    20700    0    0    0
## 2009    0.0     8000    0    0    0
## 2010    0.0    72600    0    0    0
## 2011    0.0    10800    0    0    0
## 2012    0.0     9600    0    0    0
## 2013    0.0     8500    0    0    0
## 2014    0.0    24300    0    0    0
## 2015    0.0    30900    0    0    0
## 2016    0.0    64700    0    0    0
## 2017    0.0     8900    0    0    0
## 2018    0.0    11400    0    0    0
## 2019    0.0    10600    0    0    0
## 2020    0.0     6700    0    0    0
## 2021    0.0    18000    0    0    0
## 2022    0.0    25600    0    0    0
## 2023    0.0    15100    0    0    0
## 2024    0.0    72700    0    0    0
## 2025    0.0    24600    0    0    0
## 2026    0.0     5600    0    0    0
## 2027    0.0    28300    0    0    0
## 2028    0.0     8300    0    0    0
## 2029    0.0    41000    0    0    0
## 2030    0.0    12100    0    0    0
## 2031    0.0    50400    0    0    0
## 2032    0.0     9100    0    0    0
```

```
## 2033   59.5      5000   0   0    2
## 2034   94.6      9900   0   0   -4
## 2035   43.1     18000   2   1    1
## 2036   65.6     13600   0   4    5
## 2037   45.0      9490   0   0    1
## 2038    0.0     15900   0   0    0
## 2039    0.0     12600   0   0    0
## 2040    0.0     13500   0   0    0
## 2041    0.0     37000   0   0    0
## 2042    0.0     24900   0   0    0
## 2043    0.0      6600   0   0    0
## 2044    0.0     18200   0   0    0
## 2045    0.0     28000   0   0    0
## 2046    0.0     12500   0   0    0
## 2047    0.0     10600   0   0    0
## 2048    0.0     13100   0   0    0
## 2049    0.0     35400   0   0    0
## 2050    0.0     31400   0   0    0
## 2051    0.0         0   0   0    0
## 2052    0.0         0   0   0    0
## 2053    0.0         0   0   0    0
## 2054    0.0         0   0   0    0
## 2055    0.0         0   0   0    0
## 2056    0.0     30800   0   0    0
## 2057    0.0         0   0   0    0
## 2058    0.0     29200   0   0    0
## 2059    0.0     21600   0   0    0
## 2060    0.0     10600   0   0    0
## 2061    0.0     15600   0   0    0
## 2062    0.0     25800   0   0    0
## 2063    0.0     59200   0   0    0
## 2064    0.0     31500   0   0    0
## 2065    0.0     28200   0   0    0
## 2066    0.0      7700   0   0    0
## 2067    0.0     19100   0   0    0
## 2068    0.0     36300   0   0    0
## 2069    0.0         0   0   0    0
## 2070    0.0         0   0   0    0
## 2071    0.0         0   0   0    0
## 2072    0.0         0   0   0    0
## 2073    0.0     70100   0   0    0
## 2074    0.0         0   0   0    0
## 2075    0.0     52900   0   0    0
## 2076    0.0     73800   0   0    0
## 2077    0.0     36000   0   0    0
## 2078    0.0     27300   0   0    0
## 2079    0.0     23800   0   0    0
## 2080    0.0     52200   0   0    0
## 2081    0.0     10000   0   0    0
## 2082    0.0    114200   0   0    0
## 2083    0.0     51100   0   0    0
## 2084    0.0      9400   0   0    0
## 2085    0.0     28600   0   0    0
## 2086    0.0     33600   0   0    0
```

```
## 2087         0.0            4000        0            0            0
## 2088         0.0           20900        0            0            0
## 2089         0.0           68100        0            0            0
## 2090         0.0           38800        0            0            0
## 2091         0.0           30900        0            0            0
## 2092         0.0           34600        0            0            0
## 2093         0.0           15800        0            0            0
## 2094         0.0           27700        0            0            0
## 2095         0.0           20200        0            0            0
## 2096         0.0           19300        0            0            0
## 2097         0.0           55100        0            0            0
## 2098         0.0           26300        0            0            0
## 2099         0.0               0        0            0            0
## 2100         0.0            3800        0            0            0
## 2101         0.0               0        0            0            0
## 2102         0.0           14400        0            0            0
## 2103         0.0               0        0            0            0
## 2104         0.0               0        0            0            0
## 2105         0.0               0        0            0            0
## 2106         0.0               0        0            0            0
## 2107         0.0               0        0            0            0
## 2108         0.0               0        0            0            0
## 2109         0.0               0        0            0            0
## 2110         0.0           35400        0            0            0
## 2111         0.0           18300        0            0            0
## 2112         0.0           11400        0            0            0
## 2113         0.0           32400        0            0            0
## 2114         0.0           20400        0            0            0
## 2115         0.0            5400        0            0            0
## 2116         0.0           32400        0            0            0
## 2117         0.0           14530        0            0            0
## 2118         0.0           11900        0            0            0
## 2119         0.0           40500        0            0            0
## 2120         0.0            6100        0            0            0
## 2121         0.0           10100        0            0            0
## 2122         0.0            1300        0            0            0
## 2123         0.0            8200        0            0            0
## 2124         0.0            7800        0            0            0
## 2125         0.0               0        0            0            0
## 2126         0.0           68600        0            0            0
## 2127         0.0           42100        0            0            0
##      mths_since_delinq_cat mths_since_last_record_cat
## 1              No_delinq                    No_record
## 2              No_delinq                    No_record
## 3            1_to_3_years                    No_record
## 4              No_delinq                    No_record
## 5              No_delinq                    No_record
## 6              No_delinq                    No_record
## 7              No_delinq                    No_record
## 8        more_than_5_years                    No_record
## 9              No_delinq                    No_record
## 10       more_than_5_years                  3_to_5_years
## 11             No_delinq                    No_record
## 12             No_delinq                    No_record
```

```
## 13             No_delinq                No_record
## 14           3_to_5_years                No_record
## 15           3_to_5_years                No_record
## 16           1_to_3_years                No_record
## 17             No_delinq                No_record
## 18           1_to_3_years                No_record
## 19             No_delinq                No_record
## 20             No_delinq                No_record
## 21           3_to_5_years                No_record
## 22               recent                No_record
## 23           1_to_3_years                No_record
## 24             No_delinq                No_record
## 25             No_delinq                No_record
## 26             No_delinq                No_record
## 27       more_than_5_years                No_record
## 28           1_to_3_years                No_record
## 29               recent                No_record
## 30           1_to_3_years             1_to_3_years
## 31           3_to_5_years                No_record
## 32             No_delinq                No_record
## 33             No_delinq                No_record
## 34       more_than_5_years                No_record
## 35               recent                No_record
## 36             No_delinq         more_than_5_years
## 37       more_than_5_years             3_to_5_years
## 38             No_delinq                No_record
## 39       more_than_5_years                No_record
## 40           1_to_3_years             3_to_5_years
## 41           3_to_5_years                No_record
## 42             No_delinq                No_record
## 43             No_delinq                No_record
## 44             No_delinq                No_record
## 45           1_to_3_years                No_record
## 46           1_to_3_years                No_record
## 47             No_delinq                No_record
## 48           1_to_3_years                No_record
## 49             No_delinq         more_than_5_years
## 50             No_delinq             3_to_5_years
## 51       more_than_5_years         more_than_5_years
## 52             No_delinq             3_to_5_years
## 53             No_delinq                No_record
## 54           1_to_3_years                No_record
## 55       more_than_5_years             3_to_5_years
## 56           1_to_3_years                No_record
## 57           1_to_3_years                No_record
## 58           1_to_3_years                No_record
## 59             No_delinq                No_record
## 60             No_delinq                No_record
## 61             No_delinq                No_record
## 62             No_delinq                No_record
## 63           1_to_3_years                No_record
## 64       more_than_5_years                No_record
## 65             No_delinq                No_record
## 66       more_than_5_years             3_to_5_years
```

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```
## 67             No_delinq              No_record
## 68             No_delinq              No_record
## 69       more_than_5_years            No_record
## 70             No_delinq              No_record
## 71             1_to_3_years           No_record
## 72             No_delinq              No_record
## 73             No_delinq              No_record
## 74             3_to_5_years           No_record
## 75             1_to_3_years           No_record
## 76             3_to_5_years           No_record
## 77               recent               No_record
## 78       more_than_5_years            No_record
## 79             3_to_5_years           No_record
## 80             No_delinq              No_record
## 81             3_to_5_years           No_record
## 82             No_delinq              No_record
## 83             1_to_3_years           No_record
## 84             No_delinq              No_record
## 85             No_delinq              No_record
## 86             No_delinq              No_record
## 87             No_delinq              No_record
## 88             1_to_3_years           No_record
## 89             No_delinq              No_record
## 90             3_to_5_years           No_record
## 91             No_delinq              No_record
## 92             1_to_3_years           No_record
## 93             No_delinq              No_record
## 94             1_to_3_years           No_record
## 95             1_to_3_years           No_record
## 96             1_to_3_years           No_record
## 97             No_delinq              No_record
## 98             3_to_5_years           No_record
## 99             3_to_5_years           No_record
## 100            1_to_3_years          3_to_5_years
## 101            1_to_3_years           No_record
## 102              recent               No_record
## 103            No_delinq              No_record
## 104            No_delinq              No_record
## 105            No_delinq              No_record
## 106              recent               No_record
## 107            No_delinq              No_record
## 108            No_delinq              No_record
## 109            No_delinq              No_record
## 110            No_delinq              No_record
## 111            No_delinq              No_record
## 112            3_to_5_years           No_record
## 113            1_to_3_years           No_record
## 114            No_delinq              No_record
## 115            1_to_3_years           No_record
## 116            1_to_3_years           No_record
## 117            No_delinq              No_record
## 118            No_delinq              No_record
## 119            No_delinq              No_record
## 120            No_delinq              No_record
```

```
## 121             recent            No_record
## 122           No_delinq   more_than_5_years
## 123   more_than_5_years   more_than_5_years
## 124         1_to_3_years            No_record
## 125           No_delinq            No_record
## 126           No_delinq            No_record
## 127         1_to_3_years            No_record
## 128           No_delinq   more_than_5_years
## 129         3_to_5_years            No_record
## 130   more_than_5_years         1_to_3_years
## 131           No_delinq            No_record
## 132         3_to_5_years            No_record
## 133         3_to_5_years            No_record
## 134           No_delinq   more_than_5_years
## 135           No_delinq   more_than_5_years
## 136           No_delinq         3_to_5_years
## 137         1_to_3_years            No_record
## 138           No_delinq         3_to_5_years
## 139           No_delinq            No_record
## 140           No_delinq   more_than_5_years
## 141         3_to_5_years            No_record
## 142           No_delinq            No_record
## 143           No_delinq            No_record
## 144         1_to_3_years            No_record
## 145         3_to_5_years            No_record
## 146           No_delinq            No_record
## 147           No_delinq            No_record
## 148           No_delinq            No_record
## 149   more_than_5_years            No_record
## 150           No_delinq            No_record
## 151           No_delinq            No_record
## 152   more_than_5_years            No_record
## 153           No_delinq   more_than_5_years
## 154   more_than_5_years            No_record
## 155           No_delinq            No_record
## 156           No_delinq            No_record
## 157         3_to_5_years            No_record
## 158           No_delinq            No_record
## 159         1_to_3_years            No_record
## 160           No_delinq            No_record
## 161         1_to_3_years            No_record
## 162             recent            No_record
## 163           No_delinq            No_record
## 164         3_to_5_years            No_record
## 165           No_delinq            No_record
## 166             recent            No_record
## 167           No_delinq            No_record
## 168           No_delinq            No_record
## 169           No_delinq            No_record
## 170           No_delinq            No_record
## 171           No_delinq            No_record
## 172         1_to_3_years            No_record
## 173         1_to_3_years   more_than_5_years
## 174   more_than_5_years            No_record
```

```
## 175           No_delinq                No_record
## 176           No_delinq                No_record
## 177           No_delinq                No_record
## 178         3_to_5_years               No_record
## 179    more_than_5_years             3_to_5_years
## 180           No_delinq                No_record
## 181           No_delinq                No_record
## 182         1_to_3_years               No_record
## 183           No_delinq        more_than_5_years
## 184         3_to_5_years             3_to_5_years
## 185           No_delinq        more_than_5_years
## 186         1_to_3_years               No_record
## 187           No_delinq                No_record
## 188           No_delinq                No_record
## 189           No_delinq                No_record
## 190              recent                No_record
## 191         1_to_3_years        more_than_5_years
## 192         1_to_3_years               No_record
## 193         1_to_3_years               No_record
## 194              recent                No_record
## 195           No_delinq        more_than_5_years
## 196              recent        more_than_5_years
## 197    more_than_5_years               No_record
## 198    more_than_5_years               No_record
## 199         1_to_3_years               No_record
## 200           No_delinq                No_record
## 201              recent                No_record
## 202         1_to_3_years               No_record
## 203           No_delinq             3_to_5_years
## 204         3_to_5_years               No_record
## 205           No_delinq                No_record
## 206              recent                No_record
## 207              recent                No_record
## 208           No_delinq                No_record
## 209         3_to_5_years             1_to_3_years
## 210         1_to_3_years               No_record
## 211           No_delinq                No_record
## 212         3_to_5_years               No_record
## 213           No_delinq                No_record
## 214           No_delinq        more_than_5_years
## 215           No_delinq                No_record
## 216         1_to_3_years               No_record
## 217           No_delinq                No_record
## 218           No_delinq        more_than_5_years
## 219         1_to_3_years               No_record
## 220              recent                No_record
## 221           No_delinq        more_than_5_years
## 222         1_to_3_years               No_record
## 223    more_than_5_years               No_record
## 224           No_delinq                No_record
## 225           No_delinq                No_record
## 226         3_to_5_years               No_record
## 227         1_to_3_years               No_record
## 228           No_delinq                No_record
```

```
## 229          No_delinq                 No_record
## 230          No_delinq                 No_record
## 231         3_to_5_years               No_record
## 232          No_delinq                 No_record
## 233          No_delinq                 No_record
## 234          No_delinq                 No_record
## 235          No_delinq                 No_record
## 236          No_delinq                 No_record
## 237          No_delinq                 No_record
## 238          No_delinq                 No_record
## 239         3_to_5_years               No_record
## 240          No_delinq                 No_record
## 241          No_delinq                 No_record
## 242          No_delinq                 No_record
## 243          No_delinq                 No_record
## 244          No_delinq                 No_record
## 245          No_delinq                 No_record
## 246          No_delinq                 No_record
## 247             recent                 No_record
## 248    more_than_5_years        more_than_5_years
## 249    more_than_5_years               No_record
## 250         1_to_3_years               No_record
## 251          No_delinq                 No_record
## 252         3_to_5_years               No_record
## 253             recent                 No_record
## 254          No_delinq         more_than_5_years
## 255          No_delinq                 No_record
## 256          No_delinq                 No_record
## 257         1_to_3_years               No_record
## 258         3_to_5_years               No_record
## 259          No_delinq                 No_record
## 260          No_delinq                 No_record
## 261         1_to_3_years               No_record
## 262          No_delinq                 No_record
## 263             recent                 No_record
## 264          No_delinq                 No_record
## 265          No_delinq                 No_record
## 266          No_delinq                 No_record
## 267          No_delinq                 No_record
## 268          No_delinq                 No_record
## 269          No_delinq                 No_record
## 270          No_delinq                 No_record
## 271          No_delinq              1_to_3_years
## 272         1_to_3_years               No_record
## 273          No_delinq                 No_record
## 274         3_to_5_years               No_record
## 275          No_delinq                 No_record
## 276          No_delinq                 No_record
## 277         1_to_3_years               No_record
## 278          No_delinq              1_to_3_years
## 279          No_delinq         more_than_5_years
## 280         1_to_3_years               No_record
## 281          No_delinq              1_to_3_years
## 282         3_to_5_years               No_record
```

```
## 283            No_delinq                   No_record
## 284            No_delinq                   No_record
## 285            No_delinq                   No_record
## 286            No_delinq                   No_record
## 287               recent                   No_record
## 288               recent                   No_record
## 289     more_than_5_years                 3_to_5_years
## 290            No_delinq                   No_record
## 291           1_to_3_years                 No_record
## 292           1_to_3_years                 No_record
## 293            No_delinq                 3_to_5_years
## 294            No_delinq                   No_record
## 295               recent                   No_record
## 296               recent           more_than_5_years
## 297           1_to_3_years                 No_record
## 298           3_to_5_years                 No_record
## 299            No_delinq                   No_record
## 300            No_delinq                   No_record
## 301            No_delinq                   No_record
## 302           3_to_5_years                 No_record
## 303            No_delinq                   No_record
## 304            No_delinq                   No_record
## 305            No_delinq                   No_record
## 306            No_delinq                   No_record
## 307            No_delinq                   No_record
## 308            No_delinq                   No_record
## 309     more_than_5_years           more_than_5_years
## 310            No_delinq                   No_record
## 311            No_delinq                   No_record
## 312            No_delinq                   No_record
## 313           3_to_5_years                 No_record
## 314            No_delinq                   No_record
## 315           3_to_5_years                 No_record
## 316           3_to_5_years                 No_record
## 317           1_to_3_years                 No_record
## 318            No_delinq                   No_record
## 319            No_delinq                   No_record
## 320            No_delinq                   No_record
## 321           3_to_5_years                 No_record
## 322            No_delinq                   No_record
## 323            No_delinq                   No_record
## 324               recent                   No_record
## 325               recent                   No_record
## 326            No_delinq                   No_record
## 327           1_to_3_years                 No_record
## 328            No_delinq                   No_record
## 329            No_delinq                   No_record
## 330            No_delinq                   No_record
## 331           3_to_5_years                 No_record
## 332            No_delinq                   No_record
## 333            No_delinq                   No_record
## 334            No_delinq                   No_record
## 335               recent                   No_record
## 336     more_than_5_years           more_than_5_years
```

```
## 337              No_delinq       more_than_5_years
## 338              No_delinq               No_record
## 339              No_delinq               No_record
## 340            1_to_3_years               No_record
## 341              No_delinq               No_record
## 342              No_delinq               No_record
## 343              No_delinq               No_record
## 344              No_delinq               No_record
## 345              No_delinq               No_record
## 346              No_delinq               No_record
## 347              No_delinq               No_record
## 348              No_delinq               No_record
## 349              No_delinq               No_record
## 350              No_delinq               No_record
## 351              No_delinq               No_record
## 352              No_delinq               No_record
## 353              No_delinq               No_record
## 354              No_delinq               No_record
## 355            1_to_3_years               No_record
## 356              No_delinq            3_to_5_years
## 357                 recent            1_to_3_years
## 358              No_delinq               No_record
## 359              No_delinq               No_record
## 360              No_delinq               No_record
## 361              No_delinq               No_record
## 362              No_delinq               No_record
## 363              No_delinq               No_record
## 364              No_delinq               No_record
## 365              No_delinq               No_record
## 366              No_delinq               No_record
## 367              No_delinq               No_record
## 368              No_delinq               No_record
## 369              No_delinq       more_than_5_years
## 370                 recent               No_record
## 371              No_delinq               No_record
## 372              No_delinq               No_record
## 373                 recent               No_record
## 374              No_delinq       more_than_5_years
## 375              No_delinq               No_record
## 376              No_delinq               No_record
## 377            3_to_5_years               No_record
## 378              No_delinq               No_record
## 379              No_delinq               No_record
## 380              No_delinq               No_record
## 381              No_delinq               No_record
## 382                 recent               No_record
## 383              No_delinq               No_record
## 384            3_to_5_years            3_to_5_years
## 385              No_delinq       more_than_5_years
## 386              No_delinq               No_record
## 387            3_to_5_years       more_than_5_years
## 388            1_to_3_years               No_record
## 389            3_to_5_years               No_record
## 390              No_delinq               No_record
```

```
## 391         3_to_5_years              No_record
## 392           No_delinq              No_record
## 393         3_to_5_years              No_record
## 394            recent                No_record
## 395    more_than_5_years              No_record
## 396           No_delinq              No_record
## 397           No_delinq              No_record
## 398           No_delinq              No_record
## 399           No_delinq              No_record
## 400           No_delinq              No_record
## 401         3_to_5_years              No_record
## 402           No_delinq              No_record
## 403           No_delinq              No_record
## 404    more_than_5_years              No_record
## 405    more_than_5_years              No_record
## 406         1_to_3_years              No_record
## 407         1_to_3_years              No_record
## 408         1_to_3_years              No_record
## 409         1_to_3_years              No_record
## 410           No_delinq       more_than_5_years
## 411           No_delinq       more_than_5_years
## 412         1_to_3_years              No_record
## 413           No_delinq              No_record
## 414           No_delinq              No_record
## 415           No_delinq              No_record
## 416           No_delinq              No_record
## 417           No_delinq              No_record
## 418    more_than_5_years              No_record
## 419           No_delinq              No_record
## 420         1_to_3_years              No_record
## 421         1_to_3_years              No_record
## 422         3_to_5_years              No_record
## 423         3_to_5_years              No_record
## 424         3_to_5_years              No_record
## 425           No_delinq              No_record
## 426           No_delinq              No_record
## 427           No_delinq              No_record
## 428           No_delinq              No_record
## 429         3_to_5_years              No_record
## 430         3_to_5_years              No_record
## 431           No_delinq              No_record
## 432           No_delinq              No_record
## 433           No_delinq              No_record
## 434           No_delinq              No_record
## 435           No_delinq              No_record
## 436         1_to_3_years              No_record
## 437         1_to_3_years              No_record
## 438            recent         more_than_5_years
## 439           No_delinq              No_record
## 440         3_to_5_years              No_record
## 441           No_delinq              No_record
## 442           No_delinq              No_record
## 443           No_delinq              No_record
## 444           No_delinq              No_record
```

```
## 445            1_to_3_years                  No_record
## 446               No_delinq                  No_record
## 447            1_to_3_years                  No_record
## 448            1_to_3_years               3_to_5_years
## 449            1_to_3_years                  No_record
## 450               No_delinq                  No_record
## 451               No_delinq          more_than_5_years
## 452            3_to_5_years                  No_record
## 453               No_delinq                  No_record
## 454               No_delinq               3_to_5_years
## 455            1_to_3_years               3_to_5_years
## 456            1_to_3_years               3_to_5_years
## 457               No_delinq                  No_record
## 458               No_delinq                  No_record
## 459               No_delinq                  No_record
## 460               No_delinq                  No_record
## 461       more_than_5_years                  No_record
## 462               No_delinq                  No_record
## 463               No_delinq                  No_record
## 464               No_delinq                  No_record
## 465               No_delinq                  No_record
## 466            3_to_5_years                  No_record
## 467               No_delinq                  No_record
## 468            3_to_5_years                  No_record
## 469               No_delinq                  No_record
## 470               No_delinq                  No_record
## 471               No_delinq                  No_record
## 472               No_delinq                  No_record
## 473               No_delinq                  No_record
## 474               No_delinq                  No_record
## 475               No_delinq                  No_record
## 476               No_delinq                  No_record
## 477               No_delinq               3_to_5_years
## 478       more_than_5_years                  No_record
## 479               No_delinq                  No_record
## 480                  recent                  No_record
## 481            1_to_3_years                  No_record
## 482               No_delinq                  No_record
## 483               No_delinq                  No_record
## 484            1_to_3_years          more_than_5_years
## 485               No_delinq                  No_record
## 486               No_delinq          more_than_5_years
## 487            1_to_3_years                  No_record
## 488            1_to_3_years                  No_record
## 489            1_to_3_years                  No_record
## 490            1_to_3_years          more_than_5_years
## 491               No_delinq                  No_record
## 492            1_to_3_years                  No_record
## 493               No_delinq                  No_record
## 494               No_delinq                  No_record
## 495                  recent                  No_record
## 496                  recent                  No_record
## 497                  recent                  No_record
## 498               No_delinq          more_than_5_years
```

```
## 499              recent       more_than_5_years
## 500            No_delinq               No_record
## 501            No_delinq               No_record
## 502           3_to_5_years             No_record
## 503            No_delinq               No_record
## 504      more_than_5_years             No_record
## 505            No_delinq               No_record
## 506           1_to_3_years             No_record
## 507           1_to_3_years             No_record
## 508           1_to_3_years             No_record
## 509            No_delinq               No_record
## 510            No_delinq               No_record
## 511           1_to_3_years             No_record
## 512            No_delinq               No_record
## 513           1_to_3_years             No_record
## 514           3_to_5_years             No_record
## 515              recent                 No_record
## 516           3_to_5_years       more_than_5_years
## 517           1_to_3_years            1_to_3_years
## 518            No_delinq         more_than_5_years
## 519            No_delinq         more_than_5_years
## 520           1_to_3_years           3_to_5_years
## 521           1_to_3_years            1_to_3_years
## 522            No_delinq               No_record
## 523            No_delinq               No_record
## 524            No_delinq             3_to_5_years
## 525            No_delinq               No_record
## 526            No_delinq               No_record
## 527            No_delinq               No_record
## 528            No_delinq               No_record
## 529           1_to_3_years             No_record
## 530           1_to_3_years            1_to_3_years
## 531           3_to_5_years             No_record
## 532           3_to_5_years             No_record
## 533           1_to_3_years             No_record
## 534            No_delinq               No_record
## 535           1_to_3_years             No_record
## 536           1_to_3_years             No_record
## 537           3_to_5_years             No_record
## 538            No_delinq               No_record
## 539           3_to_5_years             No_record
## 540      more_than_5_years             No_record
## 541              recent                 No_record
## 542            No_delinq               No_record
## 543            No_delinq               No_record
## 544      more_than_5_years             No_record
## 545              recent                 No_record
## 546           1_to_3_years           3_to_5_years
## 547            No_delinq               No_record
## 548            No_delinq               No_record
## 549            No_delinq               No_record
## 550      more_than_5_years             No_record
## 551              recent                 No_record
## 552           3_to_5_years             No_record
```

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```
## 553           No_delinq              No_record
## 554         1_to_3_years             No_record
## 555           No_delinq              No_record
## 556         3_to_5_years             No_record
## 557           No_delinq        more_than_5_years
## 558           No_delinq              No_record
## 559           No_delinq              No_record
## 560           No_delinq              No_record
## 561           No_delinq              No_record
## 562           No_delinq        more_than_5_years
## 563           No_delinq              No_record
## 564           No_delinq              No_record
## 565           No_delinq              No_record
## 566           No_delinq              No_record
## 567           No_delinq              No_record
## 568           No_delinq              No_record
## 569           No_delinq             3_to_5_years
## 570         1_to_3_years             No_record
## 571           No_delinq              No_record
## 572           No_delinq              No_record
## 573           No_delinq              No_record
## 574     more_than_5_years            No_record
## 575           No_delinq              No_record
## 576         3_to_5_years             No_record
## 577           No_delinq              No_record
## 578           No_delinq              No_record
## 579           No_delinq              No_record
## 580           No_delinq              No_record
## 581           No_delinq              No_record
## 582           No_delinq              No_record
## 583           No_delinq              No_record
## 584           No_delinq              No_record
## 585     more_than_5_years            No_record
## 586         1_to_3_years            3_to_5_years
## 587             recent               No_record
## 588         3_to_5_years             No_record
## 589           No_delinq              No_record
## 590           No_delinq              No_record
## 591         1_to_3_years             No_record
## 592           No_delinq        more_than_5_years
## 593           No_delinq              No_record
## 594         3_to_5_years            3_to_5_years
## 595           No_delinq              No_record
## 596     more_than_5_years            No_record
## 597           No_delinq              No_record
## 598           No_delinq              No_record
## 599             recent               No_record
## 600     more_than_5_years      more_than_5_years
## 601     more_than_5_years      more_than_5_years
## 602         3_to_5_years             No_record
## 603           No_delinq              No_record
## 604           No_delinq              No_record
## 605           No_delinq             3_to_5_years
## 606         1_to_3_years               recent
```

```
## 607           No_delinq       more_than_5_years
## 608           No_delinq               No_record
## 609           No_delinq               No_record
## 610   more_than_5_years               No_record
## 611              recent               No_record
## 612           No_delinq       more_than_5_years
## 613           No_delinq       more_than_5_years
## 614          3_to_5_years              No_record
## 615              recent               No_record
## 616          1_to_3_years              No_record
## 617          3_to_5_years              No_record
## 618          1_to_3_years              No_record
## 619           No_delinq       more_than_5_years
## 620           No_delinq               No_record
## 621          1_to_3_years              No_record
## 622          3_to_5_years              No_record
## 623           No_delinq               No_record
## 624           No_delinq       more_than_5_years
## 625           No_delinq       more_than_5_years
## 626          3_to_5_years              No_record
## 627           No_delinq               No_record
## 628          1_to_3_years              No_record
## 629          1_to_3_years              No_record
## 630          1_to_3_years              No_record
## 631           No_delinq               No_record
## 632   more_than_5_years       more_than_5_years
## 633          3_to_5_years             3_to_5_years
## 634           No_delinq               No_record
## 635   more_than_5_years               No_record
## 636   more_than_5_years               No_record
## 637              recent               No_record
## 638              recent               No_record
## 639           No_delinq               No_record
## 640          1_to_3_years              No_record
## 641           No_delinq               No_record
## 642           No_delinq               No_record
## 643          3_to_5_years              No_record
## 644          1_to_3_years              No_record
## 645           No_delinq               No_record
## 646           No_delinq               No_record
## 647           No_delinq               No_record
## 648           No_delinq               No_record
## 649              recent               No_record
## 650           No_delinq       more_than_5_years
## 651           No_delinq               No_record
## 652           No_delinq       more_than_5_years
## 653   more_than_5_years       more_than_5_years
## 654           No_delinq               No_record
## 655          1_to_3_years              No_record
## 656           No_delinq               No_record
## 657          1_to_3_years              No_record
## 658   more_than_5_years       more_than_5_years
## 659           No_delinq       more_than_5_years
## 660           No_delinq               No_record
```

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```
## 661           No_delinq              3_to_5_years
## 662         1_to_3_years         more_than_5_years
## 663         1_to_3_years                 No_record
## 664           No_delinq                 No_record
## 665         1_to_3_years                 No_record
## 666         1_to_3_years              3_to_5_years
## 667           No_delinq                 No_record
## 668           No_delinq                 No_record
## 669              recent                 No_record
## 670           No_delinq                 No_record
## 671           No_delinq                 No_record
## 672           No_delinq                 No_record
## 673         1_to_3_years                 No_record
## 674           No_delinq         more_than_5_years
## 675           No_delinq                 No_record
## 676           No_delinq                 No_record
## 677         1_to_3_years         more_than_5_years
## 678    more_than_5_years                 No_record
## 679           No_delinq                 No_record
## 680           No_delinq                 No_record
## 681              recent                 No_record
## 682         3_to_5_years                 No_record
## 683         3_to_5_years                 No_record
## 684           No_delinq                 No_record
## 685         1_to_3_years                 No_record
## 686           No_delinq                 No_record
## 687    more_than_5_years                 No_record
## 688         1_to_3_years                 No_record
## 689         3_to_5_years                 No_record
## 690           No_delinq         more_than_5_years
## 691         1_to_3_years                 No_record
## 692              recent                 No_record
## 693              recent         more_than_5_years
## 694         1_to_3_years                 No_record
## 695    more_than_5_years                 No_record
## 696         3_to_5_years                 No_record
## 697    more_than_5_years                 No_record
## 698           No_delinq                 No_record
## 699              recent              1_to_3_years
## 700         1_to_3_years                 No_record
## 701         3_to_5_years                 No_record
## 702         3_to_5_years              3_to_5_years
## 703           No_delinq                 No_record
## 704    more_than_5_years                 No_record
## 705           No_delinq                 No_record
## 706           No_delinq                 No_record
## 707           No_delinq                 No_record
## 708           No_delinq                 No_record
## 709         1_to_3_years                 No_record
## 710         1_to_3_years                 No_record
## 711           No_delinq              1_to_3_years
## 712           No_delinq              3_to_5_years
## 713           No_delinq                 No_record
## 714           No_delinq                 No_record
```

```
## 715     more_than_5_years     more_than_5_years
## 716     more_than_5_years             No_record
## 717     more_than_5_years             No_record
## 718           1_to_3_years             No_record
## 719           1_to_3_years             No_record
## 720              No_delinq           3_to_5_years
## 721              No_delinq           3_to_5_years
## 722     more_than_5_years           1_to_3_years
## 723              No_delinq                 recent
## 724           3_to_5_years             No_record
## 725           1_to_3_years             No_record
## 726              No_delinq     more_than_5_years
## 727                 recent             No_record
## 728              No_delinq             No_record
## 729              No_delinq             No_record
## 730           1_to_3_years             No_record
## 731              No_delinq             No_record
## 732           3_to_5_years             No_record
## 733              No_delinq             No_record
## 734           1_to_3_years             No_record
## 735     more_than_5_years             No_record
## 736           3_to_5_years             No_record
## 737              No_delinq             No_record
## 738              No_delinq             No_record
## 739              No_delinq     more_than_5_years
## 740              No_delinq             No_record
## 741              No_delinq             No_record
## 742              No_delinq             No_record
## 743              No_delinq             No_record
## 744              No_delinq             No_record
## 745              No_delinq             No_record
## 746              No_delinq             No_record
## 747              No_delinq             No_record
## 748              No_delinq             No_record
## 749              No_delinq             No_record
## 750                 recent             No_record
## 751              No_delinq           3_to_5_years
## 752              No_delinq     more_than_5_years
## 753              No_delinq             No_record
## 754           3_to_5_years             No_record
## 755              No_delinq             No_record
## 756                 recent             No_record
## 757              No_delinq             No_record
## 758              No_delinq             No_record
## 759           1_to_3_years             No_record
## 760              No_delinq             No_record
## 761                 recent             No_record
## 762           3_to_5_years             No_record
## 763           3_to_5_years             No_record
## 764     more_than_5_years             No_record
## 765              No_delinq             No_record
## 766           3_to_5_years             No_record
## 767              No_delinq             No_record
## 768              No_delinq             No_record
```

```
## 769             No_delinq                  No_record
## 770             No_delinq                  No_record
## 771             No_delinq                  No_record
## 772     more_than_5_years                  No_record
## 773     more_than_5_years                  No_record
## 774     more_than_5_years                  No_record
## 775         1_to_3_years                   No_record
## 776             No_delinq                  No_record
## 777             No_delinq                  No_record
## 778     more_than_5_years                  No_record
## 779             No_delinq                  No_record
## 780             No_delinq                  No_record
## 781             No_delinq                  No_record
## 782             No_delinq                  No_record
## 783             No_delinq                  No_record
## 784         1_to_3_years                   No_record
## 785             No_delinq                3_to_5_years
## 786             No_delinq                  No_record
## 787             No_delinq                  No_record
## 788             No_delinq                  No_record
## 789     more_than_5_years                  No_record
## 790             No_delinq                  No_record
## 791               recent                   No_record
## 792         1_to_3_years                   No_record
## 793             No_delinq                  No_record
## 794             No_delinq                  No_record
## 795         3_to_5_years                   No_record
## 796             No_delinq                  No_record
## 797             No_delinq          more_than_5_years
## 798             No_delinq                  No_record
## 799             No_delinq                  No_record
## 800             No_delinq                  No_record
## 801             No_delinq                  No_record
## 802             No_delinq                  No_record
## 803         3_to_5_years                   No_record
## 804             No_delinq                  No_record
## 805             No_delinq                  No_record
## 806             No_delinq                  No_record
## 807             No_delinq                  No_record
## 808             No_delinq          more_than_5_years
## 809             No_delinq                  No_record
## 810             No_delinq                  No_record
## 811             No_delinq          more_than_5_years
## 812             No_delinq                  No_record
## 813         1_to_3_years                   No_record
## 814             No_delinq                  No_record
## 815             No_delinq                  No_record
## 816         1_to_3_years                   No_record
## 817     more_than_5_years                  No_record
## 818         3_to_5_years                   No_record
## 819             No_delinq          more_than_5_years
## 820             No_delinq          more_than_5_years
## 821             No_delinq                  No_record
## 822             No_delinq          more_than_5_years
```

```
## 823         3_to_5_years                No_record
## 824           No_delinq         more_than_5_years
## 825    more_than_5_years               No_record
## 826         3_to_5_years                No_record
## 827           No_delinq         more_than_5_years
## 828         1_to_3_years                No_record
## 829              recent                No_record
## 830         1_to_3_years                No_record
## 831           No_delinq                No_record
## 832           No_delinq                No_record
## 833         1_to_3_years                No_record
## 834         1_to_3_years             1_to_3_years
## 835           No_delinq         more_than_5_years
## 836         3_to_5_years         more_than_5_years
## 837         3_to_5_years                No_record
## 838         3_to_5_years                No_record
## 839           No_delinq         more_than_5_years
## 840           No_delinq                No_record
## 841    more_than_5_years               No_record
## 842           No_delinq                No_record
## 843         1_to_3_years                No_record
## 844              recent                No_record
## 845         1_to_3_years             3_to_5_years
## 846         1_to_3_years                No_record
## 847              recent                No_record
## 848           No_delinq         more_than_5_years
## 849         1_to_3_years         more_than_5_years
## 850           No_delinq                No_record
## 851           No_delinq                No_record
## 852           No_delinq                No_record
## 853           No_delinq                No_record
## 854           No_delinq                No_record
## 855         3_to_5_years                No_record
## 856         1_to_3_years                No_record
## 857         1_to_3_years                No_record
## 858         1_to_3_years                No_record
## 859              recent                No_record
## 860              recent                No_record
## 861    more_than_5_years             3_to_5_years
## 862         1_to_3_years         more_than_5_years
## 863    more_than_5_years         more_than_5_years
## 864           No_delinq             3_to_5_years
## 865         1_to_3_years             3_to_5_years
## 866           No_delinq                No_record
## 867         3_to_5_years                No_record
## 868           No_delinq                No_record
## 869    more_than_5_years               No_record
## 870         3_to_5_years         more_than_5_years
## 871           No_delinq         more_than_5_years
## 872           No_delinq         more_than_5_years
## 873         1_to_3_years                No_record
## 874         1_to_3_years                No_record
## 875              recent                No_record
## 876         1_to_3_years             1_to_3_years
```

```
## 877              No_delinq                  No_record
## 878              No_delinq                  No_record
## 879              No_delinq                  No_record
## 880              No_delinq                  No_record
## 881              No_delinq                  No_record
## 882                 recent                  No_record
## 883            3_to_5_years         more_than_5_years
## 884              No_delinq                  No_record
## 885            1_to_3_years                  No_record
## 886              No_delinq                  No_record
## 887              No_delinq                  No_record
## 888            1_to_3_years                  No_record
## 889              No_delinq                  No_record
## 890              No_delinq               1_to_3_years
## 891                 recent                  No_record
## 892       more_than_5_years         more_than_5_years
## 893              No_delinq         more_than_5_years
## 894            1_to_3_years         more_than_5_years
## 895            3_to_5_years                  No_record
## 896            3_to_5_years         more_than_5_years
## 897       more_than_5_years         more_than_5_years
## 898              No_delinq                  No_record
## 899              No_delinq                  No_record
## 900            3_to_5_years               3_to_5_years
## 901            1_to_3_years         more_than_5_years
## 902            1_to_3_years                  No_record
## 903              No_delinq               3_to_5_years
## 904              No_delinq                  No_record
## 905            1_to_3_years                  No_record
## 906              No_delinq                  No_record
## 907            1_to_3_years                  No_record
## 908       more_than_5_years                  No_record
## 909              No_delinq                  No_record
## 910            1_to_3_years         more_than_5_years
## 911            1_to_3_years                  No_record
## 912                 recent                  No_record
## 913              No_delinq               1_to_3_years
## 914              No_delinq                  No_record
## 915              No_delinq                  No_record
## 916            1_to_3_years                  No_record
## 917       more_than_5_years                  No_record
## 918                 recent                  No_record
## 919              No_delinq         more_than_5_years
## 920              No_delinq         more_than_5_years
## 921              No_delinq               3_to_5_years
## 922              No_delinq               1_to_3_years
## 923            1_to_3_years               3_to_5_years
## 924              No_delinq         more_than_5_years
## 925              No_delinq                  No_record
## 926              No_delinq                  No_record
## 927                 recent                  No_record
## 928            1_to_3_years                  No_record
## 929                 recent                  No_record
## 930              No_delinq         more_than_5_years
```

```
## 931            recent   more_than_5_years
## 932        1_to_3_years   more_than_5_years
## 933        1_to_3_years           No_record
## 934           No_delinq   more_than_5_years
## 935        1_to_3_years        1_to_3_years
## 936            recent        1_to_3_years
## 937           No_delinq           No_record
## 938        1_to_3_years           No_record
## 939           No_delinq   more_than_5_years
## 940           No_delinq   more_than_5_years
## 941           No_delinq           No_record
## 942        1_to_3_years           No_record
## 943        3_to_5_years           No_record
## 944        1_to_3_years           No_record
## 945        3_to_5_years           No_record
## 946   more_than_5_years           No_record
## 947        3_to_5_years           No_record
## 948   more_than_5_years           No_record
## 949        1_to_3_years           No_record
## 950           No_delinq           No_record
## 951            recent           No_record
## 952           No_delinq   more_than_5_years
## 953           No_delinq           No_record
## 954           No_delinq           No_record
## 955        3_to_5_years        3_to_5_years
## 956           No_delinq   more_than_5_years
## 957           No_delinq           No_record
## 958           No_delinq           No_record
## 959        3_to_5_years           No_record
## 960           No_delinq           No_record
## 961           No_delinq           No_record
## 962   more_than_5_years           No_record
## 963   more_than_5_years           No_record
## 964           No_delinq   more_than_5_years
## 965        1_to_3_years           No_record
## 966        3_to_5_years           No_record
## 967           No_delinq           No_record
## 968           No_delinq           No_record
## 969           No_delinq           No_record
## 970   more_than_5_years   more_than_5_years
## 971           No_delinq           No_record
## 972   more_than_5_years   more_than_5_years
## 973        1_to_3_years           No_record
## 974   more_than_5_years           No_record
## 975           No_delinq           No_record
## 976           No_delinq           No_record
## 977           No_delinq           No_record
## 978            recent           No_record
## 979           No_delinq           No_record
## 980           No_delinq           No_record
## 981           No_delinq           No_record
## 982           No_delinq           No_record
## 983           No_delinq           No_record
## 984        1_to_3_years           No_record
```

```
## 985             No_delinq              No_record
## 986          3_to_5_years              No_record
## 987          1_to_3_years           1_to_3_years
## 988             No_delinq              No_record
## 989          1_to_3_years              No_record
## 990             No_delinq              No_record
## 991             No_delinq              No_record
## 992          1_to_3_years              No_record
## 993             No_delinq      more_than_5_years
## 994             No_delinq              No_record
## 995             No_delinq              No_record
## 996             No_delinq              No_record
## 997             No_delinq              No_record
## 998             No_delinq              No_record
## 999             No_delinq              No_record
## 1000            No_delinq              No_record
## 1001            No_delinq              No_record
## 1002            No_delinq              No_record
## 1003            No_delinq              No_record
## 1004            No_delinq              No_record
## 1005            No_delinq      more_than_5_years
## 1006            No_delinq      more_than_5_years
## 1007            No_delinq           3_to_5_years
## 1008         3_to_5_years              No_record
## 1009            No_delinq      more_than_5_years
## 1010         1_to_3_years              No_record
## 1011            No_delinq              No_record
## 1012            No_delinq      more_than_5_years
## 1013            No_delinq              No_record
## 1014            No_delinq              No_record
## 1015         3_to_5_years              No_record
## 1016            No_delinq              No_record
## 1017         3_to_5_years              No_record
## 1018            No_delinq              No_record
## 1019            No_delinq              No_record
## 1020            No_delinq              No_record
## 1021         3_to_5_years              No_record
## 1022            No_delinq              No_record
## 1023            No_delinq              No_record
## 1024            No_delinq              No_record
## 1025            No_delinq              No_record
## 1026            No_delinq              No_record
## 1027            No_delinq              No_record
## 1028            No_delinq              No_record
## 1029            No_delinq      more_than_5_years
## 1030            No_delinq              No_record
## 1031         1_to_3_years              No_record
## 1032            No_delinq              No_record
## 1033            No_delinq              No_record
## 1034            No_delinq              No_record
## 1035            No_delinq              No_record
## 1036            No_delinq              No_record
## 1037            No_delinq              No_record
## 1038            No_delinq              No_record
```

```
## 1039             No_delinq                    No_record
## 1040           1_to_3_years                   No_record
## 1041       more_than_5_years                  No_record
## 1042           1_to_3_years                   No_record
## 1043             No_delinq                    No_record
## 1044             No_delinq             more_than_5_years
## 1045             No_delinq                    No_record
## 1046                recent                    No_record
## 1047             No_delinq                    No_record
## 1048           1_to_3_years                   No_record
## 1049           3_to_5_years                 1_to_3_years
## 1050             No_delinq                    No_record
## 1051             No_delinq                    No_record
## 1052           1_to_3_years                   No_record
## 1053           1_to_3_years                   No_record
## 1054           1_to_3_years                   No_record
## 1055           3_to_5_years                 1_to_3_years
## 1056       more_than_5_years                  No_record
## 1057             No_delinq             more_than_5_years
## 1058             No_delinq             more_than_5_years
## 1059           1_to_3_years                   No_record
## 1060             No_delinq             more_than_5_years
## 1061                recent                    No_record
## 1062             No_delinq             more_than_5_years
## 1063           3_to_5_years                   No_record
## 1064                recent                    No_record
## 1065           3_to_5_years                   No_record
## 1066             No_delinq             more_than_5_years
## 1067             No_delinq                    No_record
## 1068       more_than_5_years                  No_record
## 1069             No_delinq             more_than_5_years
## 1070                recent                    No_record
## 1071             No_delinq                    No_record
## 1072             No_delinq                    No_record
## 1073             No_delinq                    No_record
## 1074                recent                    No_record
## 1075             No_delinq             more_than_5_years
## 1076             No_delinq                    No_record
## 1077             No_delinq                    No_record
## 1078       more_than_5_years                  No_record
## 1079           3_to_5_years             more_than_5_years
## 1080           1_to_3_years                   No_record
## 1081             No_delinq                    No_record
## 1082           3_to_5_years                 1_to_3_years
## 1083             No_delinq                    No_record
## 1084             No_delinq                    No_record
## 1085             No_delinq                    No_record
## 1086           3_to_5_years                   No_record
## 1087             No_delinq                    No_record
## 1088                recent                    No_record
## 1089                recent                    No_record
## 1090             No_delinq                 3_to_5_years
## 1091             No_delinq                    No_record
## 1092                recent                    No_record
```

```
## 1093          No_delinq               No_record
## 1094          No_delinq             3_to_5_years
## 1095          No_delinq        more_than_5_years
## 1096          No_delinq        more_than_5_years
## 1097       1_to_3_years               No_record
## 1098             recent               No_record
## 1099          No_delinq               No_record
## 1100             recent               No_record
## 1101  more_than_5_years             3_to_5_years
## 1102       1_to_3_years               No_record
## 1103          No_delinq               No_record
## 1104          No_delinq               No_record
## 1105  more_than_5_years             3_to_5_years
## 1106       3_to_5_years               No_record
## 1107             recent               No_record
## 1108       1_to_3_years        more_than_5_years
## 1109  more_than_5_years               No_record
## 1110       1_to_3_years               No_record
## 1111       3_to_5_years               No_record
## 1112          No_delinq               No_record
## 1113          No_delinq               No_record
## 1114          No_delinq               No_record
## 1115          No_delinq               No_record
## 1116          No_delinq             3_to_5_years
## 1117          No_delinq        more_than_5_years
## 1118       3_to_5_years               No_record
## 1119          No_delinq               No_record
## 1120       3_to_5_years               No_record
## 1121          No_delinq               No_record
## 1122          No_delinq               No_record
## 1123          No_delinq               No_record
## 1124          No_delinq             3_to_5_years
## 1125             recent                  recent
## 1126          No_delinq        more_than_5_years
## 1127          No_delinq               No_record
## 1128          No_delinq               No_record
## 1129          No_delinq               No_record
## 1130          No_delinq               No_record
## 1131  more_than_5_years               No_record
## 1132       3_to_5_years               No_record
## 1133       1_to_3_years               No_record
## 1134          No_delinq             3_to_5_years
## 1135          No_delinq               No_record
## 1136          No_delinq        more_than_5_years
## 1137          No_delinq        more_than_5_years
## 1138          No_delinq        more_than_5_years
## 1139             recent        more_than_5_years
## 1140  more_than_5_years        more_than_5_years
## 1141          No_delinq               No_record
## 1142       3_to_5_years        more_than_5_years
## 1143       1_to_3_years               No_record
## 1144       1_to_3_years               No_record
## 1145       1_to_3_years               No_record
## 1146             recent               No_record
```

```
## 1147            recent                No_record
## 1148        1_to_3_years             No_record
## 1149        3_to_5_years             No_record
## 1150        3_to_5_years             No_record
## 1151           No_delinq             No_record
## 1152    more_than_5_years            No_record
## 1153    more_than_5_years            No_record
## 1154           No_delinq             No_record
## 1155        1_to_3_years             No_record
## 1156           No_delinq      more_than_5_years
## 1157        1_to_3_years             No_record
## 1158           No_delinq             No_record
## 1159        1_to_3_years             No_record
## 1160           No_delinq      more_than_5_years
## 1161           No_delinq             No_record
## 1162        3_to_5_years             No_record
## 1163           No_delinq             No_record
## 1164           No_delinq             No_record
## 1165           No_delinq             No_record
## 1166           No_delinq             No_record
## 1167           No_delinq             No_record
## 1168           No_delinq             No_record
## 1169        3_to_5_years             No_record
## 1170           No_delinq             No_record
## 1171        1_to_3_years             No_record
## 1172           No_delinq      more_than_5_years
## 1173           No_delinq          3_to_5_years
## 1174           No_delinq          3_to_5_years
## 1175           No_delinq          3_to_5_years
## 1176           No_delinq          3_to_5_years
## 1177           No_delinq             No_record
## 1178        1_to_3_years             No_record
## 1179           No_delinq             No_record
## 1180           No_delinq             No_record
## 1181           No_delinq             No_record
## 1182           No_delinq             No_record
## 1183           No_delinq             No_record
## 1184        1_to_3_years             No_record
## 1185           No_delinq      more_than_5_years
## 1186           No_delinq             No_record
## 1187           No_delinq             No_record
## 1188           No_delinq             No_record
## 1189        1_to_3_years             No_record
## 1190           No_delinq             No_record
## 1191           No_delinq             No_record
## 1192           No_delinq             No_record
## 1193            recent                No_record
## 1194        1_to_3_years          1_to_3_years
## 1195           No_delinq      more_than_5_years
## 1196           No_delinq      more_than_5_years
## 1197           No_delinq      more_than_5_years
## 1198        1_to_3_years             No_record
## 1199           No_delinq             No_record
## 1200           No_delinq      more_than_5_years
```

```
## 1201     more_than_5_years     more_than_5_years
## 1202            No_delinq     more_than_5_years
## 1203            No_delinq            No_record
## 1204          1_to_3_years            No_record
## 1205            No_delinq            No_record
## 1206          1_to_3_years            No_record
## 1207          3_to_5_years            No_record
## 1208               recent            No_record
## 1209          1_to_3_years            No_record
## 1210               recent            No_record
## 1211            No_delinq            No_record
## 1212            No_delinq            No_record
## 1213            No_delinq            No_record
## 1214            No_delinq     more_than_5_years
## 1215            No_delinq     more_than_5_years
## 1216            No_delinq     more_than_5_years
## 1217            No_delinq            No_record
## 1218     more_than_5_years            No_record
## 1219     more_than_5_years     more_than_5_years
## 1220            No_delinq          3_to_5_years
## 1221            No_delinq     more_than_5_years
## 1222          3_to_5_years            No_record
## 1223          1_to_3_years            No_record
## 1224          3_to_5_years            No_record
## 1225          1_to_3_years            No_record
## 1226               recent            No_record
## 1227            No_delinq     more_than_5_years
## 1228            No_delinq            No_record
## 1229            No_delinq            No_record
## 1230            No_delinq            No_record
## 1231     more_than_5_years     more_than_5_years
## 1232            No_delinq            No_record
## 1233          3_to_5_years            No_record
## 1234            No_delinq            No_record
## 1235          3_to_5_years          3_to_5_years
## 1236          3_to_5_years            No_record
## 1237          1_to_3_years            No_record
## 1238            No_delinq            No_record
## 1239            No_delinq            No_record
## 1240          1_to_3_years            No_record
## 1241          1_to_3_years            No_record
## 1242            No_delinq          3_to_5_years
## 1243            No_delinq     more_than_5_years
## 1244            No_delinq     more_than_5_years
## 1245            No_delinq            No_record
## 1246            No_delinq            No_record
## 1247            No_delinq            No_record
## 1248               recent            No_record
## 1249     more_than_5_years            No_record
## 1250            No_delinq            No_record
## 1251            No_delinq          1_to_3_years
## 1252            No_delinq     more_than_5_years
## 1253            No_delinq          1_to_3_years
## 1254            No_delinq     more_than_5_years
```

```
## 1255            No_delinq                 No_record
## 1256          3_to_5_years                 No_record
## 1257            No_delinq                 No_record
## 1258          3_to_5_years                 No_record
## 1259            No_delinq                 No_record
## 1260          3_to_5_years              3_to_5_years
## 1261          1_to_3_years                 No_record
## 1262          1_to_3_years                 No_record
## 1263            No_delinq          more_than_5_years
## 1264            No_delinq                 No_record
## 1265               recent              3_to_5_years
## 1266               recent                 No_record
## 1267          3_to_5_years              3_to_5_years
## 1268     more_than_5_years                 No_record
## 1269            No_delinq                 No_record
## 1270          3_to_5_years              3_to_5_years
## 1271          1_to_3_years                 No_record
## 1272            No_delinq                 No_record
## 1273          3_to_5_years                 No_record
## 1274          1_to_3_years                 No_record
## 1275            No_delinq                 No_record
## 1276            No_delinq                 No_record
## 1277     more_than_5_years                 No_record
## 1278            No_delinq              3_to_5_years
## 1279               recent              3_to_5_years
## 1280            No_delinq                 No_record
## 1281            No_delinq                 No_record
## 1282            No_delinq                 No_record
## 1283            No_delinq                 No_record
## 1284            No_delinq                 No_record
## 1285            No_delinq                 No_record
## 1286          3_to_5_years                 No_record
## 1287     more_than_5_years                 No_record
## 1288          3_to_5_years                 No_record
## 1289     more_than_5_years                 No_record
## 1290     more_than_5_years          more_than_5_years
## 1291            No_delinq                 No_record
## 1292            No_delinq                 No_record
## 1293            No_delinq                 No_record
## 1294            No_delinq          more_than_5_years
## 1295            No_delinq                 No_record
## 1296          1_to_3_years                 No_record
## 1297          1_to_3_years                 No_record
## 1298          3_to_5_years                 No_record
## 1299            No_delinq                 No_record
## 1300            No_delinq                 No_record
## 1301     more_than_5_years                 No_record
## 1302          1_to_3_years                 No_record
## 1303          1_to_3_years                 No_record
## 1304            No_delinq          more_than_5_years
## 1305            No_delinq          more_than_5_years
## 1306            No_delinq                 No_record
## 1307            No_delinq                 No_record
## 1308          1_to_3_years                 No_record
```

```
## 1309            No_delinq                   No_record
## 1310               recent                   No_record
## 1311            No_delinq                   No_record
## 1312            No_delinq                 3_to_5_years
## 1313            No_delinq                   No_record
## 1314            No_delinq                 3_to_5_years
## 1315      more_than_5_years                 No_record
## 1316            No_delinq                   No_record
## 1317           1_to_3_years                 No_record
## 1318           1_to_3_years                 No_record
## 1319            No_delinq                   No_record
## 1320            No_delinq                   No_record
## 1321          3_to_5_years                 No_record
## 1322          3_to_5_years            more_than_5_years
## 1323            No_delinq             more_than_5_years
## 1324            No_delinq                   No_record
## 1325           1_to_3_years                 No_record
## 1326            No_delinq                 3_to_5_years
## 1327            No_delinq                   No_record
## 1328           1_to_3_years                 No_record
## 1329            No_delinq                   No_record
## 1330          3_to_5_years                 No_record
## 1331            No_delinq                   No_record
## 1332            No_delinq                   No_record
## 1333      more_than_5_years                 No_record
## 1334      more_than_5_years            more_than_5_years
## 1335          3_to_5_years                 No_record
## 1336            No_delinq                1_to_3_years
## 1337           1_to_3_years                 No_record
## 1338            No_delinq                   No_record
## 1339      more_than_5_years                 No_record
## 1340           1_to_3_years                 No_record
## 1341               recent                   No_record
## 1342           1_to_3_years                 No_record
## 1343            No_delinq             more_than_5_years
## 1344            No_delinq             more_than_5_years
## 1345            No_delinq                   No_record
## 1346            No_delinq                   No_record
## 1347           1_to_3_years                 No_record
## 1348           1_to_3_years                 No_record
## 1349            No_delinq                   No_record
## 1350            No_delinq                   No_record
## 1351            No_delinq                   No_record
## 1352            No_delinq             more_than_5_years
## 1353            No_delinq                   No_record
## 1354           1_to_3_years            more_than_5_years
## 1355      more_than_5_years            more_than_5_years
## 1356            No_delinq                   No_record
## 1357          3_to_5_years                 No_record
## 1358            No_delinq                   No_record
## 1359      more_than_5_years                 No_record
## 1360      more_than_5_years                 No_record
## 1361            No_delinq                   No_record
## 1362            No_delinq                   No_record
```

```
## 1363          No_delinq              No_record
## 1364          No_delinq              No_record
## 1365          3_to_5_years           No_record
## 1366          3_to_5_years           No_record
## 1367          No_delinq              No_record
## 1368          No_delinq              No_record
## 1369          1_to_3_years           No_record
## 1370          recent                 No_record
## 1371          recent                 No_record
## 1372          recent                 No_record
## 1373          No_delinq              more_than_5_years
## 1374          3_to_5_years           3_to_5_years
## 1375          No_delinq              more_than_5_years
## 1376          1_to_3_years           more_than_5_years
## 1377          No_delinq              more_than_5_years
## 1378          1_to_3_years           No_record
## 1379          No_delinq              No_record
## 1380          No_delinq              No_record
## 1381          more_than_5_years      more_than_5_years
## 1382          3_to_5_years           No_record
## 1383          No_delinq              No_record
## 1384          more_than_5_years      No_record
## 1385          No_delinq              No_record
## 1386          No_delinq              No_record
## 1387          No_delinq              No_record
## 1388          No_delinq              No_record
## 1389          No_delinq              No_record
## 1390          No_delinq              No_record
## 1391          3_to_5_years           No_record
## 1392          3_to_5_years           No_record
## 1393          No_delinq              No_record
## 1394          No_delinq              No_record
## 1395          No_delinq              No_record
## 1396          3_to_5_years           No_record
## 1397          3_to_5_years           No_record
## 1398          3_to_5_years           No_record
## 1399          recent                 No_record
## 1400          1_to_3_years           No_record
## 1401          1_to_3_years           No_record
## 1402          recent                 No_record
## 1403          recent                 No_record
## 1404          recent                 No_record
## 1405          3_to_5_years           3_to_5_years
## 1406          recent                 1_to_3_years
## 1407          No_delinq              No_record
## 1408          1_to_3_years           No_record
## 1409          No_delinq              No_record
## 1410          3_to_5_years           No_record
## 1411          No_delinq              No_record
## 1412          1_to_3_years           No_record
## 1413          No_delinq              more_than_5_years
## 1414          recent                 1_to_3_years
## 1415          No_delinq              No_record
## 1416          No_delinq              No_record
```

```
## 1417           3_to_5_years                   No_record
## 1418             No_delinq                     No_record
## 1419                recent                     No_record
## 1420             No_delinq           more_than_5_years
## 1421             No_delinq                     No_record
## 1422             No_delinq                     No_record
## 1423             No_delinq                     No_record
## 1424           1_to_3_years                  1_to_3_years
## 1425             No_delinq                     No_record
## 1426             No_delinq                     No_record
## 1427      more_than_5_years                    No_record
## 1428           1_to_3_years                    No_record
## 1429             No_delinq                     No_record
## 1430             No_delinq                     No_record
## 1431             No_delinq                     No_record
## 1432             No_delinq                     No_record
## 1433      more_than_5_years           more_than_5_years
## 1434      more_than_5_years                    No_record
## 1435             No_delinq                     No_record
## 1436             No_delinq                     No_record
## 1437             No_delinq                     No_record
## 1438             No_delinq                     No_record
## 1439             No_delinq                     No_record
## 1440             No_delinq           more_than_5_years
## 1441             No_delinq                     No_record
## 1442           3_to_5_years                    No_record
## 1443           3_to_5_years                    No_record
## 1444                recent                     No_record
## 1445           1_to_3_years                    No_record
## 1446                recent                     No_record
## 1447             No_delinq           more_than_5_years
## 1448             No_delinq                     No_record
## 1449                recent           more_than_5_years
## 1450             No_delinq                     No_record
## 1451                recent                  3_to_5_years
## 1452           3_to_5_years                    No_record
## 1453           1_to_3_years           more_than_5_years
## 1454             No_delinq                     No_record
## 1455      more_than_5_years                    No_record
## 1456      more_than_5_years                    No_record
## 1457           1_to_3_years                    No_record
## 1458      more_than_5_years                  3_to_5_years
## 1459           3_to_5_years                    No_record
## 1460                recent                     No_record
## 1461             No_delinq                     No_record
## 1462           1_to_3_years                    No_record
## 1463             No_delinq                     No_record
## 1464           3_to_5_years           more_than_5_years
## 1465             No_delinq                     No_record
## 1466             No_delinq                     No_record
## 1467           1_to_3_years                    No_record
## 1468           3_to_5_years                    No_record
## 1469           1_to_3_years                    No_record
## 1470           1_to_3_years                    No_record
```

```
## 1471           1_to_3_years       more_than_5_years
## 1472           1_to_3_years               No_record
## 1473              No_delinq               No_record
## 1474           1_to_3_years               No_record
## 1475              No_delinq               No_record
## 1476              No_delinq               No_record
## 1477              No_delinq               No_record
## 1478              No_delinq               No_record
## 1479              No_delinq               No_record
## 1480              No_delinq               No_record
## 1481           1_to_3_years            1_to_3_years
## 1482              No_delinq               No_record
## 1483              No_delinq       more_than_5_years
## 1484           3_to_5_years               No_record
## 1485              No_delinq               No_record
## 1486                 recent               No_record
## 1487              No_delinq       more_than_5_years
## 1488              No_delinq       more_than_5_years
## 1489              No_delinq               No_record
## 1490              No_delinq            3_to_5_years
## 1491           3_to_5_years               No_record
## 1492           1_to_3_years               No_record
## 1493              No_delinq               No_record
## 1494              No_delinq               No_record
## 1495              No_delinq               No_record
## 1496              No_delinq               No_record
## 1497              No_delinq               No_record
## 1498              No_delinq               No_record
## 1499      more_than_5_years       more_than_5_years
## 1500                 recent               No_record
## 1501                 recent               No_record
## 1502           1_to_3_years               No_record
## 1503              No_delinq               No_record
## 1504              No_delinq            3_to_5_years
## 1505              No_delinq       more_than_5_years
## 1506              No_delinq       more_than_5_years
## 1507              No_delinq               No_record
## 1508              No_delinq               No_record
## 1509           1_to_3_years       more_than_5_years
## 1510           1_to_3_years               No_record
## 1511           1_to_3_years       more_than_5_years
## 1512              No_delinq               No_record
## 1513              No_delinq               No_record
## 1514                 recent            3_to_5_years
## 1515           3_to_5_years               No_record
## 1516           1_to_3_years               No_record
## 1517           3_to_5_years               No_record
## 1518              No_delinq               No_record
## 1519              No_delinq               No_record
## 1520                 recent               No_record
## 1521              No_delinq               No_record
## 1522              No_delinq               No_record
## 1523              No_delinq               No_record
## 1524           1_to_3_years               No_record
```

```
## 1525    more_than_5_years              No_record
## 1526            No_delinq              No_record
## 1527            No_delinq              No_record
## 1528            No_delinq              No_record
## 1529           3_to_5_years             No_record
## 1530           3_to_5_years            3_to_5_years
## 1531            No_delinq              No_record
## 1532            No_delinq             3_to_5_years
## 1533            No_delinq              No_record
## 1534            No_delinq              No_record
## 1535           1_to_3_years            1_to_3_years
## 1536            No_delinq              No_record
## 1537           1_to_3_years             No_record
## 1538            No_delinq              No_record
## 1539            No_delinq              No_record
## 1540            No_delinq              No_record
## 1541    more_than_5_years              No_record
## 1542           1_to_3_years             No_record
## 1543           3_to_5_years             No_record
## 1544            No_delinq              No_record
## 1545            No_delinq              No_record
## 1546            No_delinq              No_record
## 1547            No_delinq              No_record
## 1548               recent              No_record
## 1549           1_to_3_years       more_than_5_years
## 1550           3_to_5_years           1_to_3_years
## 1551            No_delinq        more_than_5_years
## 1552            No_delinq           3_to_5_years
## 1553            No_delinq        more_than_5_years
## 1554            No_delinq        more_than_5_years
## 1555           3_to_5_years       more_than_5_years
## 1556               recent        more_than_5_years
## 1557            No_delinq              No_record
## 1558           1_to_3_years             No_record
## 1559               recent              No_record
## 1560            No_delinq        more_than_5_years
## 1561    more_than_5_years        more_than_5_years
## 1562            No_delinq        more_than_5_years
## 1563            No_delinq        more_than_5_years
## 1564            No_delinq           3_to_5_years
## 1565            No_delinq              No_record
## 1566           3_to_5_years             No_record
## 1567    more_than_5_years           3_to_5_years
## 1568           1_to_3_years             No_record
## 1569            No_delinq              No_record
## 1570            No_delinq              No_record
## 1571            No_delinq              No_record
## 1572           1_to_3_years             No_record
## 1573            No_delinq              No_record
## 1574           3_to_5_years       more_than_5_years
## 1575            No_delinq        more_than_5_years
## 1576            No_delinq        more_than_5_years
## 1577            No_delinq        more_than_5_years
## 1578    more_than_5_years        more_than_5_years
```

```
## 1579           1_to_3_years                No_record
## 1580             No_delinq              3_to_5_years
## 1581     more_than_5_years              3_to_5_years
## 1582             No_delinq         more_than_5_years
## 1583             No_delinq                No_record
## 1584             No_delinq                No_record
## 1585             No_delinq         more_than_5_years
## 1586             No_delinq                No_record
## 1587             No_delinq         more_than_5_years
## 1588             No_delinq         more_than_5_years
## 1589           1_to_3_years                No_record
## 1590           1_to_3_years                No_record
## 1591             No_delinq              3_to_5_years
## 1592             No_delinq                No_record
## 1593           3_to_5_years                No_record
## 1594             No_delinq                No_record
## 1595           1_to_3_years                No_record
## 1596             No_delinq                No_record
## 1597             No_delinq                No_record
## 1598             No_delinq         more_than_5_years
## 1599             No_delinq                No_record
## 1600             No_delinq                No_record
## 1601             No_delinq                No_record
## 1602             No_delinq                No_record
## 1603             No_delinq                No_record
## 1604             No_delinq                No_record
## 1605           3_to_5_years                No_record
## 1606             No_delinq                No_record
## 1607             No_delinq                No_record
## 1608             No_delinq                No_record
## 1609             No_delinq         more_than_5_years
## 1610             No_delinq                No_record
## 1611             No_delinq                No_record
## 1612             No_delinq                No_record
## 1613             No_delinq              3_to_5_years
## 1614             No_delinq                No_record
## 1615             No_delinq                No_record
## 1616             No_delinq                No_record
## 1617             No_delinq                No_record
## 1618             No_delinq         more_than_5_years
## 1619             No_delinq                No_record
## 1620           3_to_5_years                No_record
## 1621           1_to_3_years                No_record
## 1622           3_to_5_years                No_record
## 1623             No_delinq                No_record
## 1624             No_delinq                No_record
## 1625             No_delinq                No_record
## 1626             No_delinq                No_record
## 1627             No_delinq                No_record
## 1628           3_to_5_years                No_record
## 1629             No_delinq                No_record
## 1630             No_delinq                No_record
## 1631             No_delinq                No_record
## 1632             No_delinq                No_record
```

```
## 1633             No_delinq                     No_record
## 1634           1_to_3_years                    No_record
## 1635           3_to_5_years                    No_record
## 1636           3_to_5_years                    No_record
## 1637             No_delinq                     No_record
## 1638             No_delinq                     No_record
## 1639             No_delinq                     No_record
## 1640             No_delinq                     No_record
## 1641             No_delinq                     No_record
## 1642             No_delinq                     No_record
## 1643             No_delinq                     No_record
## 1644             No_delinq                     No_record
## 1645             No_delinq                     No_record
## 1646             No_delinq                     No_record
## 1647           3_to_5_years                    No_record
## 1648             No_delinq                     No_record
## 1649             No_delinq                     No_record
## 1650             No_delinq                     No_record
## 1651               recent                      No_record
## 1652             No_delinq                     No_record
## 1653           3_to_5_years             more_than_5_years
## 1654             No_delinq                     No_record
## 1655             No_delinq                   3_to_5_years
## 1656           1_to_3_years                    No_record
## 1657           1_to_3_years                    No_record
## 1658           1_to_3_years                    No_record
## 1659      more_than_5_years                    No_record
## 1660           3_to_5_years                    No_record
## 1661             No_delinq                     No_record
## 1662           3_to_5_years                    No_record
## 1663             No_delinq                     No_record
## 1664             No_delinq                     No_record
## 1665               recent                      No_record
## 1666           3_to_5_years             more_than_5_years
## 1667             No_delinq                   3_to_5_years
## 1668             No_delinq                     No_record
## 1669             No_delinq                     No_record
## 1670           1_to_3_years                    No_record
## 1671             No_delinq                   3_to_5_years
## 1672           3_to_5_years                 3_to_5_years
## 1673             No_delinq                     No_record
## 1674           3_to_5_years                 3_to_5_years
## 1675           3_to_5_years                    No_record
## 1676      more_than_5_years                    No_record
## 1677           1_to_3_years                    No_record
## 1678             No_delinq                     No_record
## 1679           1_to_3_years                    No_record
## 1680             No_delinq                     No_record
## 1681             No_delinq                     No_record
## 1682             No_delinq                     No_record
## 1683             No_delinq                     No_record
## 1684             No_delinq                     No_record
## 1685             No_delinq                     No_record
## 1686             No_delinq                     No_record
```

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```
## 1687          3_to_5_years             No_record
## 1688          1_to_3_years             No_record
## 1689               recent              No_record
## 1690          1_to_3_years     more_than_5_years
## 1691          3_to_5_years     more_than_5_years
## 1692               recent      more_than_5_years
## 1693            No_delinq     more_than_5_years
## 1694          1_to_3_years     more_than_5_years
## 1695            No_delinq             No_record
## 1696               recent              No_record
## 1697          1_to_3_years             No_record
## 1698            No_delinq          3_to_5_years
## 1699            No_delinq     more_than_5_years
## 1700            No_delinq     more_than_5_years
## 1701            No_delinq             No_record
## 1702          1_to_3_years          3_to_5_years
## 1703            No_delinq             No_record
## 1704          1_to_3_years     more_than_5_years
## 1705          1_to_3_years          1_to_3_years
## 1706            No_delinq             No_record
## 1707            No_delinq     more_than_5_years
## 1708            No_delinq          3_to_5_years
## 1709          3_to_5_years     more_than_5_years
## 1710          1_to_3_years          3_to_5_years
## 1711          3_to_5_years          3_to_5_years
## 1712            No_delinq             No_record
## 1713            No_delinq             No_record
## 1714            No_delinq             No_record
## 1715               recent              No_record
## 1716     more_than_5_years     more_than_5_years
## 1717               recent              No_record
## 1718          3_to_5_years          3_to_5_years
## 1719            No_delinq             No_record
## 1720            No_delinq             No_record
## 1721            No_delinq             No_record
## 1722          1_to_3_years             No_record
## 1723          1_to_3_years             No_record
## 1724          3_to_5_years             No_record
## 1725          1_to_3_years             No_record
## 1726            No_delinq             No_record
## 1727          1_to_3_years             No_record
## 1728          3_to_5_years             No_record
## 1729            No_delinq             No_record
## 1730            No_delinq             No_record
## 1731            No_delinq             No_record
## 1732          1_to_3_years             No_record
## 1733          3_to_5_years             No_record
## 1734            No_delinq          1_to_3_years
## 1735               recent              No_record
## 1736            No_delinq             No_record
## 1737            No_delinq             No_record
## 1738            No_delinq             No_record
## 1739          3_to_5_years             No_record
## 1740          1_to_3_years             No_record
```

```
## 1741       more_than_5_years                3_to_5_years
## 1742            3_to_5_years                   No_record
## 1743                  recent                   No_record
## 1744                No_delinq                  No_record
## 1745                No_delinq                  No_record
## 1746                No_delinq                3_to_5_years
## 1747                No_delinq                  No_record
## 1748            3_to_5_years                   No_record
## 1749            3_to_5_years                   No_record
## 1750                No_delinq                  No_record
## 1751                No_delinq           more_than_5_years
## 1752            1_to_3_years                   No_record
## 1753            1_to_3_years                   No_record
## 1754                No_delinq                  No_record
## 1755                No_delinq                  No_record
## 1756            3_to_5_years                   No_record
## 1757                  recent                1_to_3_years
## 1758                No_delinq                  No_record
## 1759                  recent                   No_record
## 1760            3_to_5_years                   No_record
## 1761            3_to_5_years                   No_record
## 1762            3_to_5_years                3_to_5_years
## 1763       more_than_5_years                   No_record
## 1764                No_delinq                3_to_5_years
## 1765            1_to_3_years                   No_record
## 1766                No_delinq                  No_record
## 1767                No_delinq                  No_record
## 1768                No_delinq                  No_record
## 1769                No_delinq                  No_record
## 1770                No_delinq                  No_record
## 1771            3_to_5_years                   No_record
## 1772                No_delinq                  No_record
## 1773            3_to_5_years                   No_record
## 1774                No_delinq                  No_record
## 1775       more_than_5_years                   No_record
## 1776                No_delinq                  No_record
## 1777            3_to_5_years                   No_record
## 1778                No_delinq                1_to_3_years
## 1779                No_delinq           more_than_5_years
## 1780            3_to_5_years                   No_record
## 1781                No_delinq                  No_record
## 1782            1_to_3_years                   No_record
## 1783                No_delinq                  No_record
## 1784            1_to_3_years                   No_record
## 1785            1_to_3_years                   No_record
## 1786                No_delinq           more_than_5_years
## 1787                No_delinq           more_than_5_years
## 1788                No_delinq                3_to_5_years
## 1789                No_delinq           more_than_5_years
## 1790       more_than_5_years                3_to_5_years
## 1791                No_delinq           more_than_5_years
## 1792            3_to_5_years                   No_record
## 1793                No_delinq           more_than_5_years
## 1794            3_to_5_years                1_to_3_years
```

```
## 1795           1_to_3_years                    recent
## 1796             No_delinq                   No_record
## 1797           1_to_3_years           more_than_5_years
## 1798           1_to_3_years                   No_record
## 1799             No_delinq                   No_record
## 1800     more_than_5_years                  3_to_5_years
## 1801                recent                   No_record
## 1802             No_delinq           more_than_5_years
## 1803          3_to_5_years                 1_to_3_years
## 1804                recent           more_than_5_years
## 1805             No_delinq                   No_record
## 1806             No_delinq                   No_record
## 1807     more_than_5_years                   No_record
## 1808             No_delinq           more_than_5_years
## 1809     more_than_5_years                   No_record
## 1810     more_than_5_years                   No_record
## 1811             No_delinq                   No_record
## 1812          3_to_5_years                   No_record
## 1813           1_to_3_years                   No_record
## 1814             No_delinq                   No_record
## 1815             No_delinq                   No_record
## 1816             No_delinq                 1_to_3_years
## 1817             No_delinq                 3_to_5_years
## 1818           1_to_3_years                 3_to_5_years
## 1819     more_than_5_years           more_than_5_years
## 1820             No_delinq                 3_to_5_years
## 1821             No_delinq                 3_to_5_years
## 1822             No_delinq                   No_record
## 1823             No_delinq                   No_record
## 1824             No_delinq                      recent
## 1825                recent                   No_record
## 1826           1_to_3_years                   No_record
## 1827             No_delinq                   No_record
## 1828             No_delinq                   No_record
## 1829             No_delinq                   No_record
## 1830             No_delinq                   No_record
## 1831             No_delinq                   No_record
## 1832             No_delinq                   No_record
## 1833             No_delinq                   No_record
## 1834             No_delinq           more_than_5_years
## 1835             No_delinq                   No_record
## 1836             No_delinq                   No_record
## 1837     more_than_5_years                   No_record
## 1838          3_to_5_years                   No_record
## 1839             No_delinq           more_than_5_years
## 1840             No_delinq                   No_record
## 1841          3_to_5_years                  3_to_5_years
## 1842             No_delinq                   No_record
## 1843           1_to_3_years                   No_record
## 1844          3_to_5_years                   No_record
## 1845             No_delinq                   No_record
## 1846             No_delinq                   No_record
## 1847             No_delinq                   No_record
## 1848             No_delinq                   No_record
```

```
## 1849          No_delinq                No_record
## 1850          No_delinq                No_record
## 1851          No_delinq                No_record
## 1852        1_to_3_years               No_record
## 1853          No_delinq                No_record
## 1854          No_delinq                No_record
## 1855    more_than_5_years              No_record
## 1856          No_delinq                No_record
## 1857        3_to_5_years               No_record
## 1858        3_to_5_years               No_record
## 1859    more_than_5_years              No_record
## 1860          No_delinq                No_record
## 1861    more_than_5_years              No_record
## 1862          No_delinq                No_record
## 1863          No_delinq                No_record
## 1864          No_delinq                No_record
## 1865        1_to_3_years               No_record
## 1866           recent                  No_record
## 1867           recent                  No_record
## 1868        1_to_3_years               No_record
## 1869          No_delinq                No_record
## 1870          No_delinq          more_than_5_years
## 1871          No_delinq          more_than_5_years
## 1872          No_delinq          more_than_5_years
## 1873        1_to_3_years               No_record
## 1874          No_delinq                No_record
## 1875        1_to_3_years               No_record
## 1876          No_delinq                No_record
## 1877          No_delinq                No_record
## 1878        3_to_5_years               No_record
## 1879    more_than_5_years              No_record
## 1880          No_delinq                No_record
## 1881          No_delinq                No_record
## 1882           recent                  No_record
## 1883        1_to_3_years               No_record
## 1884    more_than_5_years        more_than_5_years
## 1885          No_delinq          more_than_5_years
## 1886          No_delinq          more_than_5_years
## 1887          No_delinq             3_to_5_years
## 1888        1_to_3_years               No_record
## 1889        1_to_3_years               No_record
## 1890          No_delinq             3_to_5_years
## 1891          No_delinq          more_than_5_years
## 1892          No_delinq          more_than_5_years
## 1893        3_to_5_years               No_record
## 1894        1_to_3_years               No_record
## 1895           recent                  No_record
## 1896          No_delinq                No_record
## 1897          No_delinq                No_record
## 1898          No_delinq                No_record
## 1899    more_than_5_years              No_record
## 1900          No_delinq                No_record
## 1901          No_delinq                No_record
## 1902    more_than_5_years              No_record
```

```
## 1903          1_to_3_years                    No_record
## 1904            No_delinq                      No_record
## 1905          3_to_5_years                    No_record
## 1906            No_delinq                      No_record
## 1907       more_than_5_years                  No_record
## 1908            No_delinq                      No_record
## 1909            No_delinq                      No_record
## 1910            No_delinq                      No_record
## 1911       more_than_5_years                  No_record
## 1912          1_to_3_years                    No_record
## 1913            No_delinq                      No_record
## 1914          1_to_3_years                    No_record
## 1915            No_delinq                      No_record
## 1916          3_to_5_years                    No_record
## 1917          3_to_5_years                    No_record
## 1918          3_to_5_years                    No_record
## 1919          3_to_5_years                    No_record
## 1920            No_delinq                      No_record
## 1921          1_to_3_years                    No_record
## 1922          1_to_3_years                    No_record
## 1923          1_to_3_years                    No_record
## 1924          1_to_3_years                    No_record
## 1925          1_to_3_years                    No_record
## 1926          1_to_3_years                    No_record
## 1927          1_to_3_years                    No_record
## 1928            No_delinq                      No_record
## 1929          1_to_3_years                    No_record
## 1930              recent                       No_record
## 1931          1_to_3_years                    No_record
## 1932          1_to_3_years                    No_record
## 1933              recent                       No_record
## 1934          1_to_3_years                    No_record
## 1935            No_delinq              more_than_5_years
## 1936          3_to_5_years            more_than_5_years
## 1937            No_delinq              more_than_5_years
## 1938       more_than_5_years          more_than_5_years
## 1939            No_delinq              more_than_5_years
## 1940            No_delinq              more_than_5_years
## 1941            No_delinq              more_than_5_years
## 1942          1_to_3_years            more_than_5_years
## 1943          3_to_5_years            more_than_5_years
## 1944       more_than_5_years          more_than_5_years
## 1945            No_delinq              more_than_5_years
## 1946          3_to_5_years              3_to_5_years
## 1947          1_to_3_years              3_to_5_years
## 1948            No_delinq                      No_record
## 1949            No_delinq                      No_record
## 1950            No_delinq                      No_record
## 1951          1_to_3_years                    No_record
## 1952            No_delinq                      No_record
## 1953          1_to_3_years                    No_record
## 1954            No_delinq                      No_record
## 1955          3_to_5_years                    No_record
## 1956            No_delinq                      No_record
```

```
## 1957          No_delinq                    No_record
## 1958        3_to_5_years                    No_record
## 1959          No_delinq                    No_record
## 1960        1_to_3_years                    No_record
## 1961        1_to_3_years                    No_record
## 1962        1_to_3_years                    No_record
## 1963        1_to_3_years                    No_record
## 1964          No_delinq                 3_to_5_years
## 1965          No_delinq           more_than_5_years
## 1966        3_to_5_years                 3_to_5_years
## 1967          No_delinq           more_than_5_years
## 1968          No_delinq           more_than_5_years
## 1969          No_delinq                 3_to_5_years
## 1970        1_to_3_years                 3_to_5_years
## 1971          No_delinq                    No_record
## 1972          No_delinq                    No_record
## 1973          No_delinq                    No_record
## 1974          No_delinq           more_than_5_years
## 1975          No_delinq           more_than_5_years
## 1976          No_delinq                 3_to_5_years
## 1977          No_delinq                    No_record
## 1978        3_to_5_years                    No_record
## 1979          No_delinq                 3_to_5_years
## 1980          No_delinq                    No_record
## 1981   more_than_5_years                    No_record
## 1982   more_than_5_years           more_than_5_years
## 1983        1_to_3_years                 3_to_5_years
## 1984   more_than_5_years                    No_record
## 1985        3_to_5_years                    No_record
## 1986        1_to_3_years                    No_record
## 1987          No_delinq                    No_record
## 1988        1_to_3_years                    No_record
## 1989        3_to_5_years           more_than_5_years
## 1990          No_delinq                 1_to_3_years
## 1991          No_delinq           more_than_5_years
## 1992             recent                    No_record
## 1993        1_to_3_years                    No_record
## 1994          No_delinq                 3_to_5_years
## 1995   more_than_5_years           more_than_5_years
## 1996        1_to_3_years                 1_to_3_years
## 1997          No_delinq                    No_record
## 1998          No_delinq           more_than_5_years
## 1999          No_delinq                    No_record
## 2000        3_to_5_years                 3_to_5_years
## 2001        3_to_5_years           more_than_5_years
## 2002        3_to_5_years                 3_to_5_years
## 2003        1_to_3_years                    No_record
## 2004          No_delinq           more_than_5_years
## 2005          No_delinq                    No_record
## 2006        3_to_5_years                    No_record
## 2007          No_delinq                    No_record
## 2008        3_to_5_years                    No_record
## 2009        3_to_5_years                    No_record
## 2010        1_to_3_years                    No_record
```

```
## 2011           1_to_3_years                    No_record
## 2012             No_delinq          more_than_5_years
## 2013           1_to_3_years         more_than_5_years
## 2014           1_to_3_years                    No_record
## 2015             No_delinq                    No_record
## 2016             No_delinq                    No_record
## 2017                recent                    No_record
## 2018             No_delinq          more_than_5_years
## 2019     more_than_5_years          more_than_5_years
## 2020             No_delinq                    No_record
## 2021           3_to_5_years                    No_record
## 2022             No_delinq          more_than_5_years
## 2023             No_delinq          more_than_5_years
## 2024             No_delinq                    No_record
## 2025           1_to_3_years                    No_record
## 2026           1_to_3_years                    No_record
## 2027           3_to_5_years                    No_record
## 2028                recent                    No_record
## 2029                recent                    No_record
## 2030           1_to_3_years              1_to_3_years
## 2031           1_to_3_years                    No_record
## 2032           3_to_5_years              3_to_5_years
## 2033             No_delinq                    No_record
## 2034             No_delinq                    No_record
## 2035                recent                    No_record
## 2036                recent              1_to_3_years
## 2037           1_to_3_years         more_than_5_years
## 2038           3_to_5_years                    No_record
## 2039             No_delinq          more_than_5_years
## 2040           3_to_5_years          more_than_5_years
## 2041           3_to_5_years          more_than_5_years
## 2042             No_delinq                    No_record
## 2043           3_to_5_years              3_to_5_years
## 2044             No_delinq                    No_record
## 2045             No_delinq                    No_record
## 2046             No_delinq          more_than_5_years
## 2047           1_to_3_years          more_than_5_years
## 2048           3_to_5_years          more_than_5_years
## 2049             No_delinq                    No_record
## 2050                recent                    No_record
## 2051                recent                    No_record
## 2052             No_delinq          more_than_5_years
## 2053             No_delinq                    No_record
## 2054             No_delinq                    No_record
## 2055             No_delinq                    No_record
## 2056             No_delinq                    No_record
## 2057           3_to_5_years                    No_record
## 2058           1_to_3_years                    No_record
## 2059           1_to_3_years                    No_record
## 2060     more_than_5_years                    No_record
## 2061             No_delinq          more_than_5_years
## 2062             No_delinq                    No_record
## 2063           3_to_5_years                    No_record
## 2064                recent                    No_record
```

```
## 2065              recent            No_record
## 2066         1_to_3_years    more_than_5_years
## 2067            No_delinq    more_than_5_years
## 2068            No_delinq    more_than_5_years
## 2069            No_delinq    more_than_5_years
## 2070         1_to_3_years            No_record
## 2071            No_delinq            No_record
## 2072    more_than_5_years            No_record
## 2073            No_delinq            No_record
## 2074         3_to_5_years    more_than_5_years
## 2075            No_delinq            No_record
## 2076              recent         1_to_3_years
## 2077              recent    more_than_5_years
## 2078    more_than_5_years            No_record
## 2079            No_delinq            No_record
## 2080         3_to_5_years            No_record
## 2081            No_delinq            No_record
## 2082         3_to_5_years            No_record
## 2083            No_delinq            No_record
## 2084            No_delinq            No_record
## 2085         1_to_3_years            No_record
## 2086    more_than_5_years    more_than_5_years
## 2087         1_to_3_years    more_than_5_years
## 2088            No_delinq    more_than_5_years
## 2089         1_to_3_years            No_record
## 2090         1_to_3_years            No_record
## 2091         1_to_3_years            No_record
## 2092         1_to_3_years            No_record
## 2093            No_delinq         3_to_5_years
## 2094            No_delinq    more_than_5_years
## 2095            No_delinq         1_to_3_years
## 2096         3_to_5_years         3_to_5_years
## 2097            No_delinq            No_record
## 2098    more_than_5_years            No_record
## 2099              recent            No_record
## 2100            No_delinq            No_record
## 2101         3_to_5_years         1_to_3_years
## 2102    more_than_5_years            No_record
## 2103         1_to_3_years    more_than_5_years
## 2104            No_delinq            No_record
## 2105            No_delinq            No_record
## 2106         1_to_3_years            No_record
## 2107            No_delinq    more_than_5_years
## 2108            No_delinq    more_than_5_years
## 2109            No_delinq            No_record
## 2110            No_delinq            No_record
## 2111              recent            No_record
## 2112         3_to_5_years            No_record
## 2113         3_to_5_years            No_record
## 2114    more_than_5_years    more_than_5_years
## 2115    more_than_5_years            No_record
## 2116            No_delinq            No_record
## 2117    more_than_5_years            No_record
## 2118         3_to_5_years         3_to_5_years
```

```
## 2119          1_to_3_years              3_to_5_years
## 2120           No_delinq                3_to_5_years
## 2121           No_delinq                 No_record
## 2122           No_delinq                 No_record
## 2123     more_than_5_years               No_record
## 2124           No_delinq            more_than_5_years
## 2125           No_delinq                 No_record
## 2126           No_delinq                 No_record
## 2127     more_than_5_years              1_to_3_years
##      mths_since_last_major_derog_cat annual_inc_merged dti_merged
## 1                          No_derog          45000.00      15.15
## 2                          No_derog          19200.00       9.94
## 3                          No_derog          30000.00      13.64
## 4                          No_derog         130000.00      18.59
## 5                          No_derog          37000.00      12.59
## 6                          No_derog          65000.00      26.49
## 7                          No_derog         110000.00      21.75
## 8                 more_than_5_years         119000.00      18.77
## 9                          No_derog          50000.00      24.64
## 10                more_than_5_years          50000.00      15.53
## 11                         No_derog          60000.00      28.72
## 12                         No_derog          32000.00      10.43
## 13                         No_derog          85000.00       3.59
## 14                     3_to_5_years          27000.00      29.64
## 15                         No_derog          39680.00      25.03
## 16                     1_to_3_years          60000.00      24.74
## 17                         No_derog          50000.00      24.58
## 18                         No_derog          26784.00       9.99
## 19                         No_derog          53800.00      37.47
## 20                         No_derog         148000.00      25.93
## 21                     3_to_5_years          70000.00       1.41
## 22                         No_derog          35000.00      35.25
## 23                     1_to_3_years          46224.00      25.63
## 24                         No_derog          55000.00      19.87
## 25                         No_derog          58000.00      27.58
## 26                         No_derog          40000.00      29.85
## 27                         No_derog          55000.00       5.87
## 28                         No_derog          55000.00      27.10
## 29                         No_derog          50000.00      10.07
## 30                         No_derog         178000.00      11.23
## 31                     3_to_5_years         129000.00       5.35
## 32                         No_derog          40000.00      13.98
## 33                         No_derog          70000.00       8.47
## 34                         No_derog          55000.00      27.27
## 35                         No_derog         165000.00      13.74
## 36                         No_derog          28000.00      14.04
## 37                         No_derog          80000.00      26.27
## 38                         No_derog          42060.00       8.20
## 39                         No_derog          52000.00      15.49
## 40                         No_derog          32000.00      24.23
## 41                     3_to_5_years          40000.00       7.80
## 42                         No_derog          59200.00      35.03
## 43                         No_derog          42000.00      33.80
## 44                         No_derog          66000.00      27.24
```

```
## 45                   1_to_3_years       44000.00    35.73
## 46                   1_to_3_years       64822.00    11.57
## 47                       No_derog      107000.00    28.34
## 48                   1_to_3_years       74000.00    16.49
## 49                       No_derog       69840.00    10.84
## 50                   3_to_5_years       49000.00    20.65
## 51              more_than_5_years       35000.00    33.20
## 52                   1_to_3_years       40000.00    24.63
## 53                       No_derog       33000.00    22.98
## 54                   1_to_3_years       38336.00     0.78
## 55              more_than_5_years       32000.00    20.07
## 56                   1_to_3_years       44000.00    11.18
## 57                   3_to_5_years       80897.00    31.21
## 58                   1_to_3_years       82653.00    20.00
## 59                       No_derog       30108.00    20.29
## 60                       No_derog       32400.00     9.81
## 61                       No_derog       26400.00    14.45
## 62                       No_derog       70000.00    14.16
## 63                       No_derog       60000.00    22.72
## 64                       No_derog       91000.00    10.25
## 65                       No_derog       15240.00     4.25
## 66              more_than_5_years       48500.00    28.58
## 67                       No_derog       40200.00    26.33
## 68                       No_derog       50000.00     2.54
## 69              more_than_5_years      125000.00    11.80
## 70                       No_derog       35000.00    26.14
## 71                       No_derog       82000.00    31.17
## 72                       No_derog       14500.00    12.25
## 73                       No_derog       30000.00    30.00
## 74                   3_to_5_years      117120.00    12.19
## 75                   1_to_3_years       15000.00     3.68
## 76                   3_to_5_years       50000.00    23.93
## 77                   3_to_5_years       43000.00    20.88
## 78              more_than_5_years       61000.00    22.82
## 79                       No_derog       14500.00    34.27
## 80                       No_derog       74795.00    20.72
## 81                       No_derog       24300.00     5.48
## 82                       No_derog       47500.00    33.22
## 83                   1_to_3_years       26000.00     5.81
## 84                       No_derog       49000.00    31.67
## 85                       No_derog       66000.00     8.38
## 86                       No_derog       35000.00    29.53
## 87                       No_derog       28218.00    23.01
## 88                   1_to_3_years       43000.00    28.86
## 89                       No_derog       74000.00    18.88
## 90                   3_to_5_years       30000.00    27.76
## 91                       No_derog       52000.00    25.43
## 92                   1_to_3_years       25000.00    29.26
## 93                       No_derog       35098.00    38.54
## 94                   1_to_3_years      102000.00    16.38
## 95                   1_to_3_years       57920.64    29.07
## 96                       No_derog       30000.00    24.80
## 97                       No_derog       30000.00    24.26
## 98                       No_derog       30000.00    34.76
```

```
## 99                  3_to_5_years    36000.00   31.97
## 100                 1_to_3_years    51400.00   10.44
## 101                 1_to_3_years    73560.00   20.78
## 102                     No_derog    56000.00   19.91
## 103                     No_derog    53864.00   13.28
## 104                     No_derog    88000.00   26.06
## 105                     No_derog    20400.00   22.94
## 106                     No_derog    70000.00   12.03
## 107                     No_derog    90000.00   29.49
## 108                     No_derog    54000.00   11.85
## 109                     No_derog   120000.00   18.92
## 110                     No_derog    40000.00   13.65
## 111                     No_derog    16800.00   31.64
## 112                 3_to_5_years    62000.00   20.40
## 113                 3_to_5_years    60000.00   34.34
## 114                     No_derog    30000.00   13.84
## 115                     No_derog    28000.00    9.51
## 116                 1_to_3_years    88000.00   19.30
## 117                     No_derog    73000.00   14.50
## 118                     No_derog    25728.00    9.36
## 119                     No_derog    24000.00   25.15
## 120                     No_derog    45000.00    9.36
## 121                 1_to_3_years    54000.00   11.20
## 122                     No_derog    72000.00   19.70
## 123           more_than_5_years    10000.00   15.37
## 124                     No_derog    41000.00   12.73
## 125                     No_derog    43000.00   19.59
## 126                     No_derog    43953.00   30.64
## 127                 1_to_3_years    43562.88   36.17
## 128                     No_derog    43812.00   14.38
## 129                 3_to_5_years    24000.00    8.75
## 130           more_than_5_years    44400.00   23.26
## 131                     No_derog    30000.00    0.00
## 132                     No_derog    56133.24   10.80
## 133                     No_derog    53000.00   15.55
## 134                     No_derog    17500.00   20.71
## 135                     No_derog    80000.00   16.35
## 136                     No_derog    45000.00   20.91
## 137                     No_derog    74000.00   14.24
## 138                     No_derog    41544.00   31.11
## 139                     No_derog    22000.00    8.78
## 140                     No_derog   126860.00   15.50
## 141                     No_derog    62500.00   13.67
## 142                     No_derog    69250.00   16.72
## 143                     No_derog    34068.00   11.62
## 144                     No_derog    80000.00   23.22
## 145                 3_to_5_years   110000.00   16.19
## 146                     No_derog    44000.00   17.04
## 147                     No_derog    25200.00    0.05
## 148                     No_derog    32400.00    3.41
## 149                     No_derog    84694.00   22.30
## 150                     No_derog    45600.00   17.16
## 151                     No_derog    73000.00    9.50
## 152                     No_derog    27000.00   28.09
```

```
## 153                No_derog     42000.00     16.71
## 154                No_derog     15600.00     15.00
## 155                No_derog     27000.00     13.56
## 156                No_derog     40800.00      5.59
## 157                No_derog     43200.00     14.06
## 158                No_derog     68400.00      4.91
## 159                No_derog     57600.00      1.56
## 160                No_derog     30000.00      0.00
## 161                No_derog     72000.00     19.00
## 162                No_derog     41000.00     10.83
## 163                No_derog     72000.00     19.42
## 164                No_derog     50000.00     12.34
## 165                No_derog     42000.00      1.69
## 166                No_derog     35000.00     17.11
## 167                No_derog     27000.00      7.56
## 168                No_derog     37800.00     27.00
## 169                No_derog     40632.00     30.15
## 170                No_derog     51000.00     25.41
## 171                No_derog     35000.00     19.92
## 172             1_to_3_years    29037.00     27.24
## 173             1_to_3_years    40800.00     23.03
## 174                No_derog     56000.00     18.75
## 175                No_derog     52109.00     20.48
## 176                No_derog     25000.00     13.44
## 177                No_derog     45109.00     17.04
## 178                No_derog     60000.00     28.04
## 179        more_than_5_years    85000.00     18.33
## 180                No_derog     26124.00     26.92
## 181                No_derog     56000.00     19.94
## 182             1_to_3_years    70000.00      8.20
## 183                No_derog     22000.00     25.70
## 184             3_to_5_years    60000.00      4.73
## 185                No_derog     61558.00      9.42
## 186             1_to_3_years    70000.00      7.44
## 187                No_derog     52000.00     10.13
## 188                No_derog     48000.00     35.60
## 189                No_derog     18912.00     29.12
## 190                No_derog    270000.00      2.63
## 191             1_to_3_years    53000.00      5.71
## 192             1_to_3_years    38300.00     24.07
## 193                No_derog     75000.00     13.78
## 194                  recent     27000.00     16.89
## 195                No_derog     70000.00      3.48
## 196                No_derog     45000.00     13.44
## 197                No_derog    345000.00      5.27
## 198                No_derog     55000.00     36.42
## 199                No_derog     25037.00     13.42
## 200                No_derog     51000.00     26.40
## 201                  recent     48000.00     24.08
## 202                No_derog     35000.00     18.86
## 203                No_derog     45000.00     37.15
## 204             3_to_5_years   105000.00     18.99
## 205                No_derog     95335.00     31.65
## 206                No_derog    200000.00      9.72
```

```
## 207                   No_derog        110000.00       3.89
## 208                   No_derog         36000.00      12.00
## 209               3_to_5_years         74000.00       8.03
## 210               1_to_3_years        168000.00      17.78
## 211                   No_derog         50000.00      24.68
## 212                   No_derog         35000.00      22.91
## 213                   No_derog        168472.00       4.55
## 214                   No_derog         25000.00       6.14
## 215                   No_derog         22212.00      38.74
## 216               1_to_3_years         51600.00      12.51
## 217                   No_derog         38500.00      17.86
## 218                   No_derog         48000.00      35.70
## 219               1_to_3_years        102000.00       9.40
## 220                   No_derog         19488.00      24.63
## 221                   No_derog         50000.00      16.58
## 222                   No_derog        110000.00      10.30
## 223          more_than_5_years         35000.00      31.28
## 224                   No_derog         32000.00       8.93
## 225                   No_derog         42000.00      33.14
## 226               3_to_5_years         29675.00      18.56
## 227                   No_derog         90912.00      25.68
## 228                   No_derog         55000.00      30.09
## 229                   No_derog         36000.00      17.33
## 230                   No_derog         50000.00      38.53
## 231                   No_derog         42000.00      12.49
## 232                   No_derog         48000.00       0.90
## 233                   No_derog         15204.00      22.65
## 234                   No_derog         35000.00      18.45
## 235                   No_derog         70000.00       5.02
## 236                   No_derog         31700.00      21.54
## 237                   No_derog         92209.00      22.63
## 238                   No_derog         60000.00      12.58
## 239               3_to_5_years         74500.00      19.10
## 240                   No_derog         88000.00      19.33
## 241                   No_derog         85000.00      15.15
## 242                   No_derog         68000.00      10.80
## 243                   No_derog         60500.00      28.39
## 244                   No_derog         35000.00      14.59
## 245                   No_derog         85000.00      18.99
## 246                   No_derog         48000.00      20.56
## 247                     recent         58000.00       5.79
## 248                   No_derog         73000.00       7.30
## 249                   No_derog         65000.00      16.06
## 250               1_to_3_years         55450.00      22.14
## 251                   No_derog         48000.00       4.65
## 252                   No_derog         45000.00      23.95
## 253                   No_derog         34000.00      28.94
## 254                   No_derog         41000.00       8.17
## 255                   No_derog         28800.00      26.00
## 256                   No_derog         98000.00       8.53
## 257                   No_derog         56088.00      19.61
## 258                   No_derog         70000.00      21.82
## 259                   No_derog         21600.00       3.06
## 260                   No_derog         44000.00       2.13
```

```
## 261                    No_derog     34800.00      7.38
## 262                    No_derog     60000.00      7.14
## 263                    No_derog     58900.00      0.02
## 264                    No_derog     63554.40      8.82
## 265                    No_derog     66766.00      6.87
## 266                    No_derog     75000.00     11.41
## 267                    No_derog     30000.00     25.32
## 268                    No_derog     77000.00      6.76
## 269                    No_derog     90000.00      6.67
## 270                    No_derog     12600.00      6.10
## 271                    No_derog     45730.00      1.31
## 272               1_to_3_years     56221.00     18.00
## 273                    No_derog     68500.00     13.56
## 274                    No_derog     70000.00     19.03
## 275                    No_derog     43000.00     25.62
## 276                    No_derog     49340.00     29.63
## 277                    No_derog     60000.00     16.44
## 278                    No_derog     40000.00     17.43
## 279                    No_derog     39000.00      3.60
## 280                    No_derog     28800.00     12.58
## 281                    No_derog     45000.00     14.72
## 282                    No_derog    100000.00     20.06
## 283                    No_derog     80000.00     31.84
## 284                    No_derog     57000.00     22.21
## 285                    No_derog     40000.00     11.37
## 286                    No_derog     78000.00     25.72
## 287                    No_derog     69000.00     21.89
## 288                    No_derog    100000.00     19.60
## 289          more_than_5_years     70000.00      8.18
## 290                    No_derog     30000.00     18.08
## 291                    No_derog     35000.00     14.09
## 292               1_to_3_years     67000.00     36.83
## 293                    No_derog     48048.00     19.16
## 294                    No_derog     64000.00      6.66
## 295               3_to_5_years     50000.00     20.43
## 296                      recent     36000.00     17.43
## 297                    No_derog     25000.00      8.74
## 298               3_to_5_years     78000.00     11.58
## 299                    No_derog     65000.00      4.76
## 300                    No_derog     75000.00     15.25
## 301                    No_derog     82000.00     16.58
## 302                    No_derog     60000.00     14.73
## 303                    No_derog     55000.00      8.71
## 304                    No_derog     52000.00      4.87
## 305                    No_derog    170000.00     16.11
## 306                    No_derog    119000.00      9.53
## 307                    No_derog     40000.00     24.81
## 308                    No_derog     55000.00     20.21
## 309                    No_derog     60000.00     25.22
## 310                    No_derog     78000.00     31.68
## 311                    No_derog     59820.00     10.17
## 312                    No_derog     34000.00      8.40
## 313               3_to_5_years     36000.00      5.03
## 314                    No_derog     41500.00     21.37
```

```
## 315               No_derog    47000.00     7.48
## 316               No_derog    40000.00    21.85
## 317            1_to_3_years    43000.00    35.05
## 318               No_derog   105000.00     6.52
## 319               No_derog    72000.00     3.88
## 320               No_derog    75000.00    21.60
## 321            3_to_5_years    58000.00    15.95
## 322               No_derog    33000.00    13.35
## 323               No_derog   100000.00    34.68
## 324               No_derog    50000.00    13.13
## 325               No_derog   138000.00     8.69
## 326               No_derog    35000.00    34.40
## 327               No_derog    49800.00    21.81
## 328               No_derog    40000.00    15.12
## 329               No_derog    31000.00    26.83
## 330               No_derog    52000.00    19.48
## 331               No_derog    34000.00    15.46
## 332               No_derog    30500.00    10.27
## 333               No_derog    35000.00     9.91
## 334               No_derog    27750.00    26.08
## 335               No_derog    39000.00    22.66
## 336       more_than_5_years    40000.00    12.72
## 337               No_derog    42000.00    30.43
## 338               No_derog    52000.00    17.00
## 339               No_derog   109119.00    15.81
## 340               No_derog    75000.00    11.58
## 341               No_derog    22000.00    23.40
## 342               No_derog    66000.00    18.11
## 343               No_derog    73000.00    14.48
## 344               No_derog    36000.00    28.93
## 345               No_derog    50000.00    28.52
## 346               No_derog    45000.00    23.60
## 347               No_derog    52000.00    16.62
## 348               No_derog    50000.00     9.65
## 349               No_derog   100000.00    18.26
## 350               No_derog    40300.00    34.75
## 351               No_derog   115200.00     0.93
## 352               No_derog    70000.00    19.27
## 353               No_derog    11000.00    34.28
## 354               No_derog    76000.00    35.96
## 355               No_derog    60000.00    10.02
## 356               No_derog    33922.44    17.13
## 357                 recent    80000.00    33.45
## 358               No_derog    45000.00    15.59
## 359               No_derog    25000.00    28.80
## 360               No_derog   140000.00    21.32
## 361               No_derog    29868.00    24.63
## 362               No_derog    71000.00    19.55
## 363               No_derog    22000.00    19.80
## 364               No_derog    60000.00    38.73
## 365               No_derog    47113.56     0.01
## 366               No_derog    60000.00     4.44
## 367               No_derog    22752.00    26.21
## 368               No_derog    47093.00    15.42
```

```
## 369                  No_derog      25000.00    13.63
## 370                  No_derog      62400.00    23.85
## 371                  No_derog      36000.00    17.87
## 372                  No_derog      20112.00     4.53
## 373                  No_derog      64800.00    26.49
## 374                  No_derog     125000.00     5.84
## 375                  No_derog      61000.00    15.32
## 376                  No_derog      65000.00     4.14
## 377               1_to_3_years    200000.00     7.09
## 378                  No_derog      33600.00    20.11
## 379                  No_derog      40000.00     2.67
## 380                  No_derog      31000.00    18.97
## 381                  No_derog      44000.00     1.53
## 382                    recent      68000.00    23.99
## 383                  No_derog      76800.00    16.63
## 384               3_to_5_years     66000.00    21.65
## 385                  No_derog      70000.00     2.74
## 386                  No_derog      17604.00    21.75
## 387                  No_derog      60000.00     4.04
## 388                  No_derog      45796.80    23.79
## 389                  No_derog      38400.00     2.87
## 390                  No_derog      42000.00    14.91
## 391                  No_derog      85000.00     9.28
## 392                  No_derog      50400.00    12.88
## 393                  No_derog      83200.00    21.84
## 394                  No_derog      51324.00    15.08
## 395          more_than_5_years    68400.00    11.72
## 396                  No_derog      50000.00    17.40
## 397                  No_derog      82000.00    18.24
## 398                  No_derog      27600.00    20.83
## 399                  No_derog     156000.00    12.32
## 400                  No_derog     130000.00     7.34
## 401                  No_derog      51200.00     8.12
## 402                  No_derog      60000.00    17.73
## 403                  No_derog      35000.00    36.28
## 404          more_than_5_years    56000.00    10.72
## 405          more_than_5_years   120000.00    24.25
## 406               1_to_3_years    190000.00    12.78
## 407                  No_derog      66000.00    11.38
## 408                  No_derog     100000.00    25.21
## 409               1_to_3_years     84000.00     7.20
## 410                  No_derog      51000.00    25.98
## 411                  No_derog      28000.00    24.42
## 412                  No_derog      40000.00    12.03
## 413                  No_derog      60000.00    24.12
## 414                  No_derog     108000.00    15.22
## 415                  No_derog      45000.00    22.11
## 416                  No_derog      42000.00    27.82
## 417                  No_derog     120000.00     5.72
## 418                  No_derog      66000.00     8.60
## 419                  No_derog      51794.00     4.73
## 420                  No_derog     140000.00     6.07
## 421               1_to_3_years     67000.00    12.84
## 422                  No_derog     150000.00    13.36
```

```
## 423             more_than_5_years    35000.00    11.52
## 424                      No_derog    36333.00    17.31
## 425                      No_derog    68000.00    23.05
## 426                      No_derog    65000.00    20.99
## 427                      No_derog    48000.00    24.21
## 428                      No_derog   118000.00    29.57
## 429                      No_derog    38000.00    19.87
## 430                      No_derog   150000.00    13.66
## 431                      No_derog    42000.00    24.21
## 432                      No_derog    30000.00    14.56
## 433                      No_derog    52000.00     7.89
## 434                      No_derog    50282.00    12.00
## 435                      No_derog    50000.00    20.50
## 436                      No_derog    25000.00     8.83
## 437                      No_derog    70000.00    21.41
## 438                    1_to_3_years   30000.00    19.80
## 439                      No_derog   150000.00    11.02
## 440                      No_derog    40000.00    24.48
## 441                      No_derog    68396.00     9.21
## 442                      No_derog   125000.00     6.59
## 443                      No_derog    60000.00    28.68
## 444                      No_derog    55536.00    25.63
## 445                      No_derog    84000.00    22.96
## 446                      No_derog    61464.00    10.35
## 447                      No_derog    50000.00    21.12
## 448                      No_derog    62000.00    10.45
## 449                      No_derog    60000.00    20.80
## 450                      No_derog    55000.00    19.35
## 451                      No_derog    88600.00     2.60
## 452             more_than_5_years    57000.00    26.65
## 453                      No_derog    90000.00     0.33
## 454                      No_derog    56000.00    23.40
## 455                      No_derog    54000.00    10.31
## 456             more_than_5_years    60000.00    16.01
## 457                      No_derog    35352.00    17.68
## 458                      No_derog    32000.00     6.90
## 459                      No_derog    22000.00    23.51
## 460                      No_derog    47400.00    21.39
## 461                      No_derog    28000.00    15.04
## 462                      No_derog    40800.00    21.21
## 463                      No_derog    42000.00    15.63
## 464                      No_derog    77705.88     4.63
## 465                      No_derog    30000.00    29.36
## 466                      No_derog    56000.00    10.70
## 467                      No_derog    66000.00     4.33
## 468                      No_derog    40000.00    23.43
## 469                      No_derog    32004.00    10.76
## 470                      No_derog    19200.00     0.00
## 471                      No_derog    30000.00     0.00
## 472                      No_derog    54000.00     5.47
## 473                      No_derog    60000.00    11.10
## 474                      No_derog    38000.00    27.47
## 475                      No_derog    29270.00    24.56
## 476                      No_derog    31000.00    28.15
```

```
## 477               No_derog     80000.00     34.95
## 478       more_than_5_years     38000.00     16.99
## 479               No_derog     62000.00     28.46
## 480            3_to_5_years     70000.00     12.41
## 481            1_to_3_years     44500.00     23.54
## 482               No_derog     50400.00     20.64
## 483               No_derog     33650.00     19.44
## 484            1_to_3_years     28500.00     22.36
## 485               No_derog     18000.00      9.87
## 486               No_derog     32188.00     26.62
## 487               No_derog     95000.00     20.10
## 488            1_to_3_years     86000.00      4.02
## 489               No_derog     52800.00      7.36
## 490       more_than_5_years     42000.00      5.31
## 491               No_derog     46615.00     27.39
## 492            1_to_3_years     79500.00     16.88
## 493               No_derog     60000.00     32.80
## 494               No_derog     57896.00     29.35
## 495               No_derog     80000.00     19.91
## 496                 recent     74000.00     29.50
## 497            1_to_3_years     95000.00     14.91
## 498               No_derog     36000.00     30.43
## 499               No_derog     38748.00      6.22
## 500               No_derog     65000.00     16.05
## 501               No_derog     45000.00     12.93
## 502            3_to_5_years     68000.00     12.85
## 503               No_derog     49612.00     30.94
## 504               No_derog     65000.00     32.33
## 505               No_derog     57671.00     33.34
## 506            1_to_3_years     42000.00      5.57
## 507               No_derog     50000.00     13.25
## 508               No_derog     85000.00      3.32
## 509               No_derog     61080.00     33.97
## 510               No_derog     36600.00      9.64
## 511               No_derog     78000.00     18.25
## 512               No_derog     58000.00     20.50
## 513               No_derog     80000.00     16.80
## 514            3_to_5_years     50000.00     14.35
## 515               No_derog     68000.00     25.70
## 516               No_derog    175000.00     19.28
## 517            1_to_3_years     65000.00     10.10
## 518               No_derog     48160.00     18.51
## 519               No_derog     49695.24     25.56
## 520            3_to_5_years     41000.00     20.99
## 521            1_to_3_years     48000.00     32.83
## 522               No_derog     74000.00     33.26
## 523               No_derog     47500.00     28.12
## 524               No_derog     40000.00     27.45
## 525               No_derog     40000.00     32.00
## 526               No_derog     45000.00     18.23
## 527               No_derog     51000.00     18.52
## 528               No_derog     22500.00      4.96
## 529            1_to_3_years     42565.00     14.86
## 530            1_to_3_years    165000.00      6.84
```

```
## 531                 3_to_5_years          60000.00       28.18
## 532                     No_derog          69000.00       30.83
## 533                 1_to_3_years          51600.00       13.58
## 534                     No_derog          16308.00       21.71
## 535                 3_to_5_years          65000.00       22.32
## 536                     No_derog          64800.00       24.46
## 537                     No_derog          81369.48       18.10
## 538                     No_derog          40000.00       22.47
## 539                 3_to_5_years          58758.00       32.05
## 540           more_than_5_years          32208.00       31.37
## 541                     No_derog          60000.00       31.19
## 542                     No_derog          36000.00       17.03
## 543                     No_derog          24000.00       26.60
## 544           more_than_5_years          70000.00       19.36
## 545                     No_derog          74000.00       12.26
## 546           more_than_5_years         120000.00       14.21
## 547                     No_derog         130000.00        2.36
## 548                     No_derog          24000.00       30.00
## 549                     No_derog          32000.00       31.96
## 550           more_than_5_years          78000.00       26.37
## 551                 3_to_5_years          60000.00       13.00
## 552                     No_derog          57543.84       18.67
## 553                     No_derog         115000.00       10.43
## 554                     No_derog          46728.00       17.82
## 555                     No_derog          75000.00       10.48
## 556                 3_to_5_years          30000.00       32.00
## 557                     No_derog          24000.00       24.65
## 558                     No_derog          52620.00       18.88
## 559                     No_derog          67000.00       11.53
## 560                     No_derog          54000.00       14.09
## 561                     No_derog          85000.00       12.99
## 562                     No_derog          26128.00        9.51
## 563                     No_derog          55000.00       12.90
## 564                     No_derog         150000.00        5.24
## 565                     No_derog          70000.00       20.50
## 566                     No_derog          70000.00       12.48
## 567                     No_derog          69000.00       12.80
## 568                     No_derog         110000.00       11.70
## 569                     No_derog         114000.00        4.25
## 570                 3_to_5_years          54000.00        8.78
## 571                     No_derog         144000.00        7.96
## 572                     No_derog          50000.00        5.42
## 573                     No_derog          30000.00        2.32
## 574                     No_derog          54288.00       13.00
## 575                     No_derog          60000.00       20.18
## 576                     No_derog          27048.00       10.43
## 577                     No_derog          66000.00       11.98
## 578                     No_derog          45000.00        3.04
## 579                     No_derog          21000.00        4.34
## 580                     No_derog          52000.00        8.30
## 581                     No_derog          24000.00       13.30
## 582                     No_derog          46800.00       15.72
## 583                     No_derog          40800.00       11.94
## 584                     No_derog          60000.00       20.74
```

```
## 585                        No_derog     35376.00      15.71
## 586            more_than_5_years         99906.00       6.97
## 587                        recent       100000.00      10.31
## 588                        No_derog      48000.00      10.20
## 589                        No_derog      70000.00       9.09
## 590                        No_derog      69000.00      11.70
## 591                        No_derog      37000.00      11.19
## 592                        No_derog      26500.00      35.14
## 593                        No_derog      37656.00      15.94
## 594                        No_derog      31000.00      21.33
## 595                        No_derog      51000.00      26.84
## 596                        No_derog      57000.00       7.89
## 597                        No_derog      98000.00       5.65
## 598                        No_derog      72000.00      29.58
## 599                        No_derog     150000.00       6.05
## 600            more_than_5_years         80000.00      21.06
## 601            more_than_5_years         43000.00      24.98
## 602                   3_to_5_years        73500.00       5.83
## 603                        No_derog      28000.00      32.15
## 604                        No_derog      36816.00      31.16
## 605                        No_derog      45000.00      24.83
## 606                   3_to_5_years       104000.00       3.80
## 607                        No_derog      49000.00      23.51
## 608                        No_derog      90000.00       3.85
## 609                        No_derog      20000.00      13.56
## 610                        No_derog      70383.00      34.52
## 611                        No_derog      51600.00      25.70
## 612                        No_derog      80000.00      34.11
## 613                   3_to_5_years        45000.00       2.48
## 614                        No_derog      80000.00      35.25
## 615                        No_derog      58000.00       6.21
## 616                   1_to_3_years       118200.00      14.44
## 617                        No_derog      35220.00      12.74
## 618                        No_derog      12000.00      14.90
## 619                        No_derog      18000.00       9.67
## 620                        No_derog      73000.00       9.68
## 621            more_than_5_years         71534.00      19.99
## 622                        No_derog      30000.00       4.00
## 623                        No_derog      15000.00       5.04
## 624                        No_derog      18408.00       6.00
## 625                        No_derog      24498.00       5.14
## 626                        No_derog      61200.00      24.14
## 627                        No_derog     200000.00       4.12
## 628                        No_derog      31000.00      10.66
## 629                   1_to_3_years        18000.00      15.13
## 630                        No_derog     110000.00      12.99
## 631                        No_derog      65000.00      23.89
## 632                        No_derog      21408.00      20.57
## 633                   3_to_5_years        50000.00       9.24
## 634                        No_derog      31000.00      28.49
## 635            more_than_5_years         39000.00      28.92
## 636            more_than_5_years         20000.00      30.31
## 637            more_than_5_years         50000.00      13.81
## 638                   3_to_5_years       175000.00       6.15
```

```
## 639                     No_derog      34000.00      10.76
## 640                  1_to_3_years      25000.00       7.73
## 641                     No_derog      20000.00      11.94
## 642                     No_derog      24000.00      15.80
## 643                  3_to_5_years      27500.00      37.23
## 644                     No_derog      55859.00      25.78
## 645                     No_derog      26500.00      25.24
## 646                     No_derog      36000.00       4.88
## 647                     No_derog      35000.00      24.66
## 648                     No_derog      28000.00      36.05
## 649                     No_derog      75000.00      18.43
## 650                     No_derog      62500.00      31.18
## 651                     No_derog      42000.00      34.43
## 652                     No_derog      50000.00      14.09
## 653            more_than_5_years      70000.00      22.59
## 654                     No_derog      72000.00       6.39
## 655                  1_to_3_years     140000.00       3.23
## 656                     No_derog     120000.00      16.03
## 657                  1_to_3_years     110000.00      13.49
## 658                     No_derog      78214.00      11.31
## 659                     No_derog      40000.00      31.32
## 660                     No_derog     155000.00       6.58
## 661                     No_derog      30000.00      31.76
## 662                  1_to_3_years      41000.00      13.17
## 663                  1_to_3_years      90000.00       0.53
## 664                     No_derog      97000.00       9.71
## 665                  3_to_5_years      66819.84      31.23
## 666                  1_to_3_years      92000.00       6.04
## 667                     No_derog      61500.00      38.01
## 668                     No_derog      31000.00      27.28
## 669                     No_derog      70000.00      18.24
## 670                     No_derog      37344.00       7.95
## 671                     No_derog      32213.00      23.99
## 672                     No_derog      59760.00      17.86
## 673                  1_to_3_years      35000.00       1.71
## 674                     No_derog      67200.00       6.45
## 675                     No_derog      90000.00      14.61
## 676                     No_derog      39144.00      12.66
## 677                     No_derog      53000.00      14.81
## 678                     No_derog      56400.00      13.98
## 679                     No_derog      65000.00      12.89
## 680                     No_derog     250000.00      18.69
## 681                  3_to_5_years      67000.00      26.09
## 682                     No_derog      48000.00      20.40
## 683                     No_derog      62400.00      20.90
## 684                     No_derog      16656.00      11.10
## 685                  1_to_3_years      78000.00      14.80
## 686                     No_derog      27350.00      25.63
## 687            more_than_5_years      40000.00      21.81
## 688                  3_to_5_years      60000.00      14.30
## 689                     No_derog      86000.00      28.64
## 690                     No_derog      60000.00       9.42
## 691                     No_derog      31000.00      19.70
## 692                       recent      19200.00      20.38
```

```
## 693                       No_derog     35350.00    28.46
## 694          more_than_5_years         92000.00     7.23
## 695          more_than_5_years        165000.00    29.79
## 696                3_to_5_years         80000.00     4.67
## 697          more_than_5_years         52000.00    17.79
## 698                       No_derog     43000.00    33.80
## 699                         recent     30000.00    39.56
## 700                       No_derog    159000.00     9.23
## 701                3_to_5_years         32000.00    31.10
## 702                3_to_5_years         26050.00    31.06
## 703                       No_derog     60000.00     2.92
## 704                       No_derog     21000.00    23.60
## 705                       No_derog     15000.00    20.16
## 706                       No_derog     18000.00    38.88
## 707                       No_derog     26000.00    30.06
## 708                       No_derog     65000.00    17.84
## 709                1_to_3_years         34000.00    29.14
## 710                1_to_3_years         22000.00    26.71
## 711                       No_derog     78000.00    19.08
## 712                       No_derog     43000.00    17.53
## 713                       No_derog     17000.00    33.47
## 714                       No_derog     50000.00    34.31
## 715          more_than_5_years         60000.00    34.00
## 716          more_than_5_years         52388.00    33.03
## 717                       No_derog     60000.00    13.98
## 718                1_to_3_years         67000.00    10.94
## 719                1_to_3_years         40000.00    20.39
## 720                       No_derog     45000.00    18.72
## 721                       No_derog     28400.00    14.29
## 722          more_than_5_years         34500.00    17.15
## 723                       No_derog     62000.00    10.76
## 724                3_to_5_years         80000.00    17.03
## 725          more_than_5_years         58996.00    24.67
## 726                       No_derog     48000.00    14.68
## 727                       No_derog     33936.00    23.02
## 728                       No_derog     22000.00    35.52
## 729                       No_derog     11000.00    16.92
## 730                       No_derog     27000.00    24.67
## 731                       No_derog     46000.00    12.65
## 732                3_to_5_years         60000.00    30.80
## 733                       No_derog     48000.00    26.23
## 734                       No_derog     60000.00    28.24
## 735                       No_derog     45000.00    37.44
## 736                       No_derog     25584.00    13.18
## 737                       No_derog     26616.00     8.30
## 738                       No_derog     21400.00     8.75
## 739                       No_derog     48000.00     9.33
## 740                       No_derog     90000.00    16.84
## 741                       No_derog     50000.00    10.92
## 742                       No_derog     12000.00     4.00
## 743                       No_derog     26300.00    15.56
## 744                       No_derog     11340.00    11.96
## 745                       No_derog     24000.00    13.50
## 746                       No_derog     37404.00    22.26
```

```
## 747              No_derog      37200.00     9.61
## 748              No_derog      62000.00     9.74
## 749              No_derog      22296.00    10.82
## 750              No_derog      40000.00    24.29
## 751              No_derog      15600.00    11.31
## 752              No_derog      33000.00    16.80
## 753              No_derog      35000.00    36.10
## 754              No_derog      36000.00    12.20
## 755              No_derog      33720.00    23.77
## 756              No_derog      34000.00    14.19
## 757              No_derog      11976.00    10.12
## 758              No_derog      24468.00    18.24
## 759              No_derog      45000.00    12.91
## 760              No_derog      22200.00    22.11
## 761           1_to_3_years     15000.00    38.16
## 762              No_derog      37800.00    23.46
## 763              No_derog      18072.00     7.84
## 764              No_derog      50000.00     5.66
## 765              No_derog      12000.00    24.20
## 766              No_derog      10008.00    19.53
## 767              No_derog      20344.00     8.02
## 768              No_derog      35000.00     0.21
## 769              No_derog      26000.00    21.42
## 770              No_derog      45000.00    23.71
## 771              No_derog      20124.00    19.32
## 772              No_derog      35000.00    13.47
## 773              No_derog      60000.00    23.10
## 774              No_derog      45600.00    19.02
## 775              No_derog      25000.00    12.58
## 776              No_derog      48000.00    20.93
## 777              No_derog      55000.00    12.37
## 778              No_derog      83000.00    24.43
## 779              No_derog     163000.00    15.86
## 780              No_derog      27900.00    17.16
## 781              No_derog      35200.00     9.24
## 782              No_derog      30156.00     7.40
## 783              No_derog      50000.00    14.36
## 784              No_derog      30000.00    22.62
## 785              No_derog      58000.00     8.48
## 786              No_derog      42000.00     4.26
## 787              No_derog      25573.00    16.42
## 788              No_derog      51500.00    12.90
## 789        more_than_5_years  175000.00     9.04
## 790              No_derog      62000.00    30.86
## 791              No_derog     125000.00     5.39
## 792              No_derog      30000.00     1.60
## 793              No_derog      34188.00    14.22
## 794              No_derog      26400.00     7.41
## 795              No_derog      33000.00    21.64
## 796              No_derog      38000.00    19.42
## 797              No_derog       8628.00    16.69
## 798              No_derog      12000.00    18.10
## 799              No_derog      19200.00    12.31
## 800              No_derog      28000.00     6.99
```

```
## 801                 No_derog     16000.00     7.65
## 802                 No_derog     63000.00     7.81
## 803                 No_derog     26232.00    27.95
## 804                 No_derog     21600.00     1.78
## 805                 No_derog     32500.00    31.20
## 806                 No_derog     26000.00    21.88
## 807                 No_derog     22000.00    23.29
## 808                 No_derog     11000.00    15.94
## 809                 No_derog     21900.00    11.41
## 810                 No_derog     16000.00     8.48
## 811                 No_derog     24000.00     6.60
## 812                 No_derog     18000.00    22.53
## 813                 No_derog     49000.00    14.74
## 814                 No_derog     20000.00     0.90
## 815                 No_derog     58000.00    11.25
## 816                 No_derog     39000.00    24.09
## 817                 No_derog     63000.00    15.49
## 818                 No_derog     38970.81     4.00
## 819                 No_derog     45600.00    24.05
## 820                 No_derog     17760.00    18.04
## 821                 No_derog     27000.00    33.82
## 822                 No_derog     60000.00    19.32
## 823             3_to_5_years     39000.00    31.26
## 824                 No_derog     34400.00    30.36
## 825                 No_derog     24000.00    24.25
## 826             3_to_5_years    150000.00     7.09
## 827                 No_derog     30000.00     6.20
## 828             1_to_3_years     40000.00    28.04
## 829                 No_derog     30000.00     8.64
## 830         more_than_5_years     35000.00    33.16
## 831                 No_derog     40000.00    29.55
## 832                 No_derog     50000.00    30.80
## 833             1_to_3_years     24000.00    38.25
## 834                 No_derog     66000.00    24.29
## 835                 No_derog     32000.00    18.79
## 836             3_to_5_years     56000.00    22.53
## 837             3_to_5_years     65000.00    14.33
## 838                 No_derog     16080.00    22.84
## 839                 No_derog     72000.00    19.77
## 840                 No_derog     42000.00    18.86
## 841         more_than_5_years    108372.00    16.79
## 842                 No_derog     40392.00     8.79
## 843                 No_derog     99677.00     3.00
## 844                 No_derog     84000.00    23.65
## 845             1_to_3_years     40344.00     8.39
## 846             1_to_3_years    113700.00    14.79
## 847                 No_derog     38000.00     5.84
## 848                 No_derog     61500.00    25.93
## 849             3_to_5_years    140000.00    11.62
## 850                 No_derog     80000.00    23.04
## 851                 No_derog    135000.00     8.55
## 852                 No_derog     80000.00     9.89
## 853                 No_derog     47049.24    12.88
## 854                 No_derog     25000.00    13.25
```

```
## 855                  No_derog    50000.00    28.15
## 856                  No_derog    86000.00    13.30
## 857               1_to_3_years   41000.00    22.01
## 858                  No_derog    40000.00     7.68
## 859                  No_derog    70000.00    25.20
## 860                    recent    50000.00    32.31
## 861                  No_derog    70000.00    13.99
## 862               1_to_3_years   45000.00    20.48
## 863                  No_derog    69394.80    14.75
## 864                  No_derog    88000.00    18.87
## 865               1_to_3_years   52000.00    10.66
## 866                  No_derog    27573.36    17.94
## 867               3_to_5_years   82000.00     5.15
## 868                  No_derog    54000.00    13.22
## 869          more_than_5_years   60000.00     7.14
## 870               3_to_5_years   80000.00    25.85
## 871                  No_derog    32227.00    29.01
## 872                  No_derog    22500.00    11.68
## 873                  No_derog    85000.00     8.98
## 874               3_to_5_years   31285.00    18.28
## 875                  No_derog    81600.00    24.88
## 876               3_to_5_years   45000.00     5.33
## 877                  No_derog    65000.00    24.45
## 878                  No_derog   210000.00    16.61
## 879                  No_derog    15000.00    33.20
## 880                  No_derog   120000.00     6.72
## 881                  No_derog    86000.00    15.41
## 882                  No_derog   120000.00     8.34
## 883               3_to_5_years   40000.00     5.93
## 884                  No_derog   142000.00    16.97
## 885                  No_derog   794000.00    10.78
## 886                  No_derog    90000.00     7.39
## 887                  No_derog    39000.00     8.37
## 888               1_to_3_years   95000.00     6.80
## 889                  No_derog    33000.00     5.05
## 890               1_to_3_years   35940.00    25.14
## 891                    recent    65000.00    15.53
## 892          more_than_5_years   58327.04    27.45
## 893                  No_derog    55000.00     9.21
## 894               1_to_3_years   57971.00    14.14
## 895                  No_derog   155000.00     9.86
## 896               3_to_5_years   35000.00    14.51
## 897                  No_derog    86000.00     7.92
## 898                  No_derog    21500.00    27.92
## 899                  No_derog    74056.00    17.36
## 900               3_to_5_years   75000.00    12.91
## 901                  No_derog    25000.00    21.32
## 902                  No_derog   126696.00    17.08
## 903                  No_derog    70000.00     2.37
## 904                  No_derog    28026.00     8.44
## 905          more_than_5_years  210000.00    20.65
## 906                  No_derog    65000.00     8.60
## 907               1_to_3_years   75000.00    14.38
## 908          more_than_5_years   51000.00    19.11
```

```
## 909                     No_derog      50000.00       4.92
## 910                  3_to_5_years      60000.00       8.20
## 911                  1_to_3_years      64800.00      17.72
## 912                  3_to_5_years     140000.00       8.52
## 913                     No_derog      60000.00      10.42
## 914                     No_derog      55000.00      12.77
## 915                     No_derog     110000.00      24.69
## 916                  1_to_3_years      50000.00       4.56
## 917                     No_derog     120000.00      20.83
## 918                  3_to_5_years     145000.00       8.57
## 919                     No_derog      25200.00       9.48
## 920                     No_derog      53000.00      16.05
## 921                     No_derog      32000.00       3.34
## 922                  1_to_3_years      96000.00      16.80
## 923                  3_to_5_years      50000.00      16.11
## 924                     No_derog      56000.00       3.79
## 925                     No_derog      59400.00      24.40
## 926                     No_derog      43686.00      31.79
## 927                     No_derog      90000.00      25.92
## 928                     No_derog      46000.00      17.53
## 929                        recent      81780.00      16.20
## 930                     No_derog      48000.00      20.20
## 931                     No_derog     136164.00      12.00
## 932                  1_to_3_years      45000.00      21.81
## 933                  1_to_3_years      76350.00      17.75
## 934                     No_derog      75000.00      18.56
## 935                     No_derog      21432.00      20.38
## 936                     No_derog      33000.00      14.62
## 937                     No_derog      62000.00      10.10
## 938                  1_to_3_years      71000.00      21.18
## 939                     No_derog      20000.00      23.83
## 940                     No_derog     150000.00      10.98
## 941                     No_derog      35000.00       9.67
## 942                  1_to_3_years      51000.00      19.36
## 943                  3_to_5_years      45000.00      14.24
## 944                  1_to_3_years      60000.00      14.98
## 945                  3_to_5_years      50000.00      12.87
## 946                     No_derog     105000.00      12.74
## 947                  3_to_5_years      83000.00      15.78
## 948                     No_derog      72000.00       3.77
## 949                  1_to_3_years      34900.00      16.71
## 950                     No_derog      40000.00      22.53
## 951                     No_derog      60000.00      25.60
## 952                     No_derog      60000.00      13.32
## 953                     No_derog      48012.00      19.66
## 954                     No_derog      22000.00      24.28
## 955                     No_derog      40000.00      16.17
## 956                     No_derog      65000.00      22.01
## 957                     No_derog      14540.00      17.83
## 958                     No_derog      50000.00      15.18
## 959                     No_derog     180000.00      23.80
## 960                     No_derog      39828.00      15.97
## 961                     No_derog      20147.00      16.56
## 962                     No_derog      28800.00      10.83
```

```
## 963                  No_derog      58800.00   18.69
## 964                  No_derog      34000.00   16.73
## 965              1_to_3_years      60000.00   25.40
## 966                  No_derog      15000.00   20.16
## 967                  No_derog      29800.00   34.27
## 968                  No_derog      35000.00   37.21
## 969                  No_derog      36000.00   24.07
## 970          more_than_5_years      36000.00    8.27
## 971                  No_derog     101000.00   19.20
## 972          more_than_5_years      73861.80    9.10
## 973                  No_derog       9286.80   30.92
## 974                  No_derog      37000.00   24.36
## 975                  No_derog      49000.00   12.61
## 976                  No_derog      37200.00    9.35
## 977                  No_derog      20000.00   27.19
## 978                  No_derog      72000.00    7.15
## 979                  No_derog      23180.00   16.42
## 980                  No_derog      72000.00   30.62
## 981                  No_derog      21600.00   23.89
## 982                  No_derog      52000.00   29.65
## 983                  No_derog      12864.00    4.76
## 984              1_to_3_years      33750.00   24.62
## 985                  No_derog      57600.00   15.02
## 986              3_to_5_years      31560.00   18.67
## 987                  No_derog      53000.00   13.93
## 988                  No_derog      14664.00    5.81
## 989                  No_derog      30000.00    3.04
## 990                  No_derog      45132.00    1.33
## 991                  No_derog      16000.00   18.08
## 992                  No_derog      71000.00    4.82
## 993                  No_derog       8628.00   21.97
## 994                  No_derog      36000.00    7.33
## 995                  No_derog      36000.00   11.37
## 996                  No_derog      57600.00   17.48
## 997                  No_derog      23000.00   23.27
## 998                  No_derog      19200.00   20.25
## 999                  No_derog      46000.00    5.40
## 1000                 No_derog      30000.00    3.04
## 1001                 No_derog      18000.00   20.93
## 1002                 No_derog     160000.00    7.37
## 1003                 No_derog      31000.00   21.87
## 1004                 No_derog      18948.00   29.51
## 1005                 No_derog      24500.00   29.59
## 1006                 No_derog      60000.00   11.92
## 1007                 No_derog      84000.00   17.19
## 1008                 No_derog      39000.00   16.40
## 1009                 No_derog      45000.00   32.11
## 1010             1_to_3_years     122000.00   27.40
## 1011                 No_derog      50000.00   26.84
## 1012                 No_derog      75000.00   26.54
## 1013                 No_derog      50688.00   14.74
## 1014                 No_derog     100000.00    1.36
## 1015                 No_derog      35000.00   21.69
## 1016                 No_derog      13200.00   21.82
```

```
## 1017                  No_derog    38756.00    20.58
## 1018                  No_derog    15264.00    27.59
## 1019                  No_derog    31200.00    18.00
## 1020                  No_derog    44000.00    21.65
## 1021               3_to_5_years   25500.00    38.49
## 1022                  No_derog    12000.00     0.00
## 1023                  No_derog    52000.00    11.38
## 1024                  No_derog    14076.00     6.05
## 1025                  No_derog    30000.00    12.64
## 1026                  No_derog    19836.00    18.79
## 1027                  No_derog    55000.00     3.19
## 1028                  No_derog    12480.00     6.35
## 1029                  No_derog    15436.80     8.01
## 1030                  No_derog   101000.00     4.87
## 1031                  No_derog     8280.00     8.12
## 1032                  No_derog    22500.00     8.96
## 1033                  No_derog    10812.00    24.42
## 1034                  No_derog    10000.00    20.64
## 1035                  No_derog    17000.00    18.64
## 1036                  No_derog    52000.00     6.07
## 1037                  No_derog    30000.00    11.48
## 1038                  No_derog    19800.00    23.70
## 1039                  No_derog    30000.00    14.62
## 1040                  No_derog    64000.00     8.51
## 1041                  No_derog   150000.00    20.86
## 1042               1_to_3_years   55180.00     5.18
## 1043                  No_derog    22000.00    24.38
## 1044                  No_derog    36132.00    15.28
## 1045                  No_derog    24000.00     1.30
## 1046                  No_derog   100000.00     4.49
## 1047                  No_derog    64510.00    16.98
## 1048                  No_derog    36000.00     3.83
## 1049                  No_derog   180000.00    10.53
## 1050                  No_derog    15000.00     9.36
## 1051                  No_derog    47628.00    34.03
## 1052                  No_derog    32000.00    33.38
## 1053               1_to_3_years   60000.00    29.60
## 1054                  No_derog    62000.00    33.61
## 1055               3_to_5_years   42000.00    34.49
## 1056                  No_derog    33600.00    30.32
## 1057                  No_derog    90000.00    13.87
## 1058                  No_derog    27492.00    31.99
## 1059                  No_derog    27914.00    20.12
## 1060                  No_derog    21084.00    13.77
## 1061          more_than_5_years   75000.00    10.06
## 1062                  No_derog    75000.00    16.82
## 1063                  No_derog   125000.00     7.22
## 1064                  No_derog    30000.00    20.12
## 1065               3_to_5_years   72000.00     7.88
## 1066                  No_derog    30000.00     8.60
## 1067                  No_derog    32496.00    18.24
## 1068          more_than_5_years   37000.00     7.23
## 1069                  No_derog    27600.00    20.00
## 1070                    recent   44400.00    19.70
```

```
## 1071              No_derog    50000.00    33.61
## 1072              No_derog    20000.00    10.20
## 1073              No_derog    41283.36    26.28
## 1074                recent    20000.00    34.45
## 1075              No_derog    20400.00    36.29
## 1076              No_derog    22452.00    24.80
## 1077              No_derog    31200.00    32.08
## 1078     more_than_5_years    16386.00    36.48
## 1079              No_derog    20000.00     8.28
## 1080            1_to_3_years   37200.00    19.48
## 1081              No_derog    17000.00    20.47
## 1082              No_derog    35000.00    30.59
## 1083              No_derog    50000.00    14.95
## 1084              No_derog    30000.00    28.56
## 1085              No_derog    60000.00    30.94
## 1086            3_to_5_years   27000.00    34.65
## 1087              No_derog   115000.00    13.21
## 1088              No_derog    31000.00     2.59
## 1089              No_derog    41000.00    36.77
## 1090              No_derog    48500.00    22.87
## 1091              No_derog    33000.00    18.51
## 1092              No_derog    78099.00     1.31
## 1093              No_derog    20000.00    21.01
## 1094              No_derog    24000.00    10.85
## 1095              No_derog    75000.00    16.64
## 1096              No_derog    36154.44    22.01
## 1097            1_to_3_years   50000.00    35.80
## 1098              No_derog    79000.00     8.85
## 1099              No_derog    54000.00    34.24
## 1100              No_derog    32000.00    37.43
## 1101     more_than_5_years    23000.00    35.18
## 1102              No_derog    69000.00    21.75
## 1103              No_derog    32400.00     6.74
## 1104              No_derog    19140.00    36.43
## 1105     more_than_5_years    29000.00     8.61
## 1106     more_than_5_years    60000.00    22.08
## 1107              No_derog    33000.00    36.60
## 1108     more_than_5_years    40000.00    13.80
## 1109     more_than_5_years    11832.00    17.14
## 1110     more_than_5_years    60000.00    14.34
## 1111              No_derog    62000.00    14.48
## 1112              No_derog    34550.00    30.32
## 1113              No_derog    48000.00    12.21
## 1114              No_derog   100000.00    11.57
## 1115              No_derog     6000.00    27.96
## 1116              No_derog    73000.00    22.72
## 1117              No_derog    13000.00    23.55
## 1118            3_to_5_years   50600.00    17.31
## 1119              No_derog    23500.00    26.40
## 1120            3_to_5_years   35000.00     2.98
## 1121              No_derog    45000.00    15.28
## 1122              No_derog    48000.00    24.93
## 1123              No_derog    50000.00    21.97
## 1124              No_derog   100000.00     0.90
```

```
## 1125                 No_derog   66000.00   29.47
## 1126                 No_derog   52000.00   21.44
## 1127                 No_derog   65000.00   26.11
## 1128                 No_derog   45000.00   17.04
## 1129                 No_derog   30000.00   12.20
## 1130                 No_derog   82500.00   10.81
## 1131              3_to_5_years   63000.00   12.48
## 1132         more_than_5_years   56000.00   16.89
## 1133              1_to_3_years   33000.00   10.70
## 1134                 No_derog   25000.00   14.40
## 1135                 No_derog   30000.00   10.12
## 1136                 No_derog   57000.00    6.65
## 1137                 No_derog   40000.00   14.67
## 1138              3_to_5_years   79000.00   20.90
## 1139                   recent   90000.00    6.28
## 1140                 No_derog   42500.00    6.69
## 1141                 No_derog   51000.00   11.46
## 1142                 No_derog   48000.00   18.10
## 1143              3_to_5_years   95000.00    8.68
## 1144                 No_derog   25000.00    8.11
## 1145              1_to_3_years   25000.00   11.19
## 1146                   recent   80000.00   12.23
## 1147                 No_derog   60000.00   21.38
## 1148              1_to_3_years   34800.00    8.80
## 1149                 No_derog   72000.00   23.93
## 1150                 No_derog   48000.00   18.33
## 1151                 No_derog   75000.00    5.01
## 1152                 No_derog   40000.00   33.93
## 1153         more_than_5_years   50000.00   21.92
## 1154                 No_derog   30585.00   16.51
## 1155              1_to_3_years   80000.00   19.18
## 1156                 No_derog   40800.00    6.32
## 1157                 No_derog   32000.00   17.70
## 1158                 No_derog   44000.00   32.51
## 1159              1_to_3_years   21000.00   10.63
## 1160                 No_derog   35000.00   15.47
## 1161                 No_derog   60000.00    1.50
## 1162              3_to_5_years   50000.00   15.65
## 1163                 No_derog   24000.00   12.00
## 1164                 No_derog   36000.00   19.63
## 1165                 No_derog   44268.00   21.45
## 1166                 No_derog   96000.00   18.48
## 1167                 No_derog   60000.00   28.24
## 1168                 No_derog   37000.00   12.78
## 1169              3_to_5_years   19500.00    7.75
## 1170                 No_derog   32000.00    0.94
## 1171                 No_derog   96000.00   18.00
## 1172                 No_derog   42000.00   22.91
## 1173                 No_derog   48000.00    4.90
## 1174                 No_derog   29412.00   11.71
## 1175                 No_derog   40000.00    5.67
## 1176                 No_derog   45000.00   14.96
## 1177                 No_derog   60000.00   19.38
## 1178              1_to_3_years   44184.24   16.78
```

```
## 1179              No_derog      80000.00    14.53
## 1180              No_derog      43450.00    15.08
## 1181              No_derog      49000.00    34.39
## 1182              No_derog      56000.00    13.99
## 1183              No_derog     100000.00     0.22
## 1184              No_derog      75000.00     3.63
## 1185              No_derog      31000.00    20.52
## 1186              No_derog      30000.00    29.18
## 1187              No_derog      42000.00     2.74
## 1188              No_derog      55000.00     3.52
## 1189           1_to_3_years     50000.00    13.24
## 1190              No_derog      40000.00     5.64
## 1191              No_derog      27600.00    23.43
## 1192              No_derog      25000.00    10.18
## 1193                recent      67632.00    17.69
## 1194           1_to_3_years     35382.00    25.31
## 1195              No_derog      52000.00     7.59
## 1196       more_than_5_years    60000.00    24.56
## 1197              No_derog      35000.00     3.98
## 1198              No_derog      35000.00    20.30
## 1199              No_derog      70800.00    16.36
## 1200              No_derog      47000.00     8.10
## 1201              No_derog      32000.00    14.22
## 1202              No_derog      41000.00    11.50
## 1203              No_derog      51165.00    16.89
## 1204       more_than_5_years    24000.00    18.05
## 1205              No_derog      40000.00    20.94
## 1206              No_derog      48000.00    19.35
## 1207              No_derog      74000.00    21.59
## 1208                recent      31320.00    25.30
## 1209           1_to_3_years     56000.00    32.43
## 1210           3_to_5_years     30000.00     8.80
## 1211              No_derog     105000.00    25.81
## 1212              No_derog      28000.00    24.65
## 1213              No_derog      40000.00    19.80
## 1214              No_derog      40000.00    12.45
## 1215              No_derog      45339.36    19.83
## 1216              No_derog      30000.00     4.72
## 1217              No_derog      78500.00    15.34
## 1218              No_derog      59000.00    10.46
## 1219       more_than_5_years    25000.00    10.99
## 1220              No_derog      35000.00    17.80
## 1221              No_derog      35000.00    17.70
## 1222           3_to_5_years     57000.00    19.02
## 1223              No_derog      32400.00     4.00
## 1224              No_derog      70000.00    19.13
## 1225           3_to_5_years     70000.00    27.19
## 1226                recent      20166.00    17.92
## 1227              No_derog      45000.00    27.20
## 1228              No_derog      16000.00    29.32
## 1229              No_derog      38700.00    19.07
## 1230              No_derog      66000.00     5.56
## 1231       more_than_5_years    15660.00     2.68
## 1232              No_derog       9000.00    10.67
```

```
## 1233                 3_to_5_years       77300.00      2.87
## 1234                     No_derog        30000.00     15.92
## 1235                     No_derog       185000.00     16.39
## 1236                     No_derog        37000.00     16.54
## 1237                     No_derog        54000.00     20.69
## 1238                     No_derog        27000.00     11.60
## 1239                     No_derog        32000.00     23.96
## 1240            more_than_5_years        60000.00     31.00
## 1241                 1_to_3_years        32560.00     14.12
## 1242                     No_derog        41000.00     20.73
## 1243                     No_derog        55000.00     14.82
## 1244                     No_derog        20000.00     16.87
## 1245                     No_derog        20000.00     21.97
## 1246                     No_derog        30000.00     22.96
## 1247                     No_derog        25000.00      1.68
## 1248                       recent        18000.00     17.73
## 1249                     No_derog        20000.00     14.05
## 1250                     No_derog        34000.00      7.87
## 1251                     No_derog        47780.00     23.36
## 1252                     No_derog        30000.00     11.33
## 1253                     No_derog        36000.00     20.73
## 1254                     No_derog        42000.00      7.56
## 1255                     No_derog        30000.00     11.60
## 1256                     No_derog        17544.00     18.40
## 1257                     No_derog        32316.00     28.04
## 1258                     No_derog        24000.00     14.93
## 1259                     No_derog        33500.00     12.70
## 1260                 3_to_5_years       50000.00     22.97
## 1261                 1_to_3_years        20574.00     39.79
## 1262                     No_derog        79227.00     10.50
## 1263                     No_derog        24716.00     18.35
## 1264                     No_derog        40000.00     10.35
## 1265            more_than_5_years        60000.00     12.06
## 1266                       recent        42774.24     27.61
## 1267                 3_to_5_years       42000.00     23.49
## 1268            more_than_5_years        52000.00     35.96
## 1269                     No_derog        50000.00     15.63
## 1270                 3_to_5_years       32569.00      3.91
## 1271                     No_derog        24000.00     12.20
## 1272                     No_derog        48000.00     18.68
## 1273                     No_derog        42000.00     19.09
## 1274                     No_derog        20000.00     11.40
## 1275                     No_derog        33055.52     17.20
## 1276                     No_derog       112000.00     11.15
## 1277                     No_derog        65000.00     23.34
## 1278                     No_derog        42000.00     19.20
## 1279                     No_derog        60000.00     35.78
## 1280                     No_derog        50400.00     12.40
## 1281                     No_derog        41100.00      3.97
## 1282                     No_derog        33600.00     22.50
## 1283                     No_derog        35000.00      6.10
## 1284                     No_derog        35000.00     18.31
## 1285                     No_derog        22000.00      9.55
## 1286                     No_derog        54000.00      3.31
```

```
## 1287                     No_derog       24000.00        20.05
## 1288                     No_derog       45000.00        11.87
## 1289           more_than_5_years       15000.00        21.60
## 1290                     No_derog       22584.00         9.56
## 1291                     No_derog       19008.00         7.70
## 1292                     No_derog       25000.00         5.15
## 1293                     No_derog       64000.00        10.20
## 1294                     No_derog       24000.00         8.55
## 1295                     No_derog       93600.00        11.88
## 1296                     No_derog       32400.00        19.44
## 1297                     No_derog       65000.00        36.96
## 1298                   3_to_5_years     72000.00        16.22
## 1299                     No_derog       55000.00        21.47
## 1300                     No_derog       32952.00        32.96
## 1301                     No_derog       81500.00        10.82
## 1302                   1_to_3_years     24000.00        26.67
## 1303                   1_to_3_years     38000.00        22.74
## 1304                     No_derog       45000.00        32.43
## 1305                     No_derog       30000.00        17.56
## 1306                     No_derog       60000.00         8.24
## 1307                     No_derog       70000.00        18.43
## 1308                     No_derog       30000.00        20.97
## 1309                     No_derog      120000.00         8.53
## 1310                       recent       54640.00         9.88
## 1311                     No_derog       74000.00         5.90
## 1312                     No_derog       15000.00         6.80
## 1313                     No_derog       45000.00         7.09
## 1314                     No_derog       58320.00         7.16
## 1315                     No_derog       49560.00        14.50
## 1316                     No_derog       51348.00        35.97
## 1317                     No_derog       92000.00        37.03
## 1318                     No_derog       36000.00        13.53
## 1319                     No_derog       33500.00        35.33
## 1320                     No_derog      200000.00        15.11
## 1321                     No_derog       56800.00        24.36
## 1322                     No_derog       42192.00        16.64
## 1323                     No_derog      125000.00         3.24
## 1324                     No_derog       60000.00        30.14
## 1325                     No_derog       39900.00         8.57
## 1326                     No_derog       60000.00        15.32
## 1327                     No_derog       50000.00        12.99
## 1328                     No_derog       60000.00         3.04
## 1329                     No_derog       22000.00        38.84
## 1330                     No_derog       65000.00        30.34
## 1331                     No_derog       26000.00        28.30
## 1332                     No_derog       65000.00         4.23
## 1333           more_than_5_years       49000.00        15.77
## 1334           more_than_5_years       47768.00         4.05
## 1335                     No_derog       40000.00        31.84
## 1336                     No_derog       50000.00        19.56
## 1337                     No_derog       25980.00        11.45
## 1338                     No_derog       65000.00        10.21
## 1339           more_than_5_years       85000.00         8.37
## 1340                   1_to_3_years     38100.00        14.61
```

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```
## 1341                 No_derog        40000.00        12.33
## 1342                 No_derog        59100.00        18.54
## 1343                 No_derog        65000.00        19.52
## 1344                 No_derog        37896.00        17.39
## 1345                 No_derog        49000.00        20.25
## 1346                 No_derog        50000.00        30.14
## 1347                 No_derog        75000.00         5.17
## 1348                 No_derog        40800.00        21.26
## 1349                 No_derog        34000.00        18.21
## 1350                 No_derog        78000.00        21.31
## 1351                 No_derog        22000.00        27.00
## 1352                 No_derog        58000.00         3.10
## 1353                 No_derog        15000.00        26.56
## 1354             3_to_5_years        25116.00         7.84
## 1355        more_than_5_years        47600.00         3.93
## 1356                 No_derog        35000.00        24.61
## 1357             3_to_5_years        60000.00        11.02
## 1358                 No_derog        43000.00         9.15
## 1359                 No_derog        50000.00        16.40
## 1360                 No_derog        39800.00        19.15
## 1361                 No_derog       165000.00        14.47
## 1362                 No_derog        45000.00        17.39
## 1363                 No_derog        43000.00         8.23
## 1364                 No_derog        65000.00        10.41
## 1365             3_to_5_years        41620.00         6.95
## 1366        more_than_5_years        55000.00        29.30
## 1367                 No_derog        53000.00        18.75
## 1368                 No_derog        54500.00        21.63
## 1369        more_than_5_years        76176.00         7.16
## 1370                 No_derog        33000.00        11.45
## 1371                 No_derog       180000.00        20.87
## 1372                   recent        50000.00        31.24
## 1373                 No_derog        31800.00         7.36
## 1374             3_to_5_years        67350.00         8.36
## 1375                 No_derog        70000.00        15.09
## 1376             1_to_3_years        55000.00         3.84
## 1377                 No_derog        59421.00        20.30
## 1378                 No_derog        85000.00        13.20
## 1379                 No_derog        54282.00        14.97
## 1380                 No_derog        91600.00         8.46
## 1381        more_than_5_years        30000.00        17.00
## 1382             3_to_5_years        70000.00         4.89
## 1383                 No_derog        69000.00        12.77
## 1384                 No_derog       157990.00        16.87
## 1385                 No_derog       110000.00         5.89
## 1386                 No_derog        72000.00        20.55
## 1387             3_to_5_years        35000.00        15.57
## 1388                 No_derog        55245.00        22.72
## 1389                 No_derog        90000.00         8.44
## 1390                 No_derog        76400.00        16.71
## 1391             3_to_5_years        60000.00        18.96
## 1392             3_to_5_years        70000.00        11.54
## 1393                 No_derog       110000.00        13.72
## 1394                 No_derog        66000.00        14.55
```

```
## 1395               No_derog    55000.00   26.71
## 1396               No_derog   200000.00   11.47
## 1397            3_to_5_years    80000.00   17.48
## 1398            3_to_5_years    49000.00   14.28
## 1399            1_to_3_years    67938.48    9.47
## 1400            1_to_3_years    95600.00   20.76
## 1401            1_to_3_years    65000.00    8.80
## 1402               No_derog    36000.00   18.67
## 1403                 recent    46000.00   15.60
## 1404       more_than_5_years    82000.00    7.23
## 1405               No_derog    55000.00   29.70
## 1406               No_derog    55000.00   17.67
## 1407               No_derog    80000.00   20.06
## 1408               No_derog    86254.00   18.06
## 1409               No_derog   125000.00   10.12
## 1410               No_derog    61224.00    7.31
## 1411               No_derog   114000.00   27.85
## 1412               No_derog    70000.00   15.58
## 1413               No_derog    45000.00   18.69
## 1414            1_to_3_years    70000.00   12.54
## 1415               No_derog    75000.00   10.86
## 1416               No_derog    92000.00   14.88
## 1417               No_derog    61000.00   20.01
## 1418               No_derog    63396.00   20.48
## 1419               No_derog    64000.00   10.24
## 1420               No_derog    78000.00    8.64
## 1421               No_derog   110000.00   11.16
## 1422               No_derog    80000.00   12.38
## 1423               No_derog    48000.00   14.10
## 1424            1_to_3_years    29000.00   16.89
## 1425               No_derog    85000.00    1.32
## 1426               No_derog    88000.00   25.21
## 1427               No_derog    65000.00   26.71
## 1428            1_to_3_years    56400.00   29.65
## 1429               No_derog    21000.00    6.29
## 1430               No_derog    32000.00   15.75
## 1431               No_derog    58315.00   30.52
## 1432               No_derog    83000.00    1.04
## 1433               No_derog    42000.00   12.97
## 1434               No_derog    57600.00   22.31
## 1435               No_derog    45149.00   14.43
## 1436               No_derog    36000.00    7.77
## 1437               No_derog    48000.00    1.05
## 1438               No_derog    67000.00    5.79
## 1439               No_derog    51000.00   12.87
## 1440               No_derog    46800.00    4.36
## 1441               No_derog    44000.00    8.43
## 1442            3_to_5_years   150000.00    0.74
## 1443               No_derog    38400.00    5.84
## 1444               No_derog   150000.00   36.55
## 1445               No_derog    48000.00    6.28
## 1446               No_derog    26400.00   12.95
## 1447               No_derog    65000.00   22.38
## 1448               No_derog    20000.00    9.21
```

```
## 1449             No_derog        16978.00      11.17
## 1450             No_derog        74000.00      19.24
## 1451             No_derog        50000.00      19.60
## 1452           3_to_5_years      40000.00      20.44
## 1453           1_to_3_years      39000.00      15.02
## 1454             No_derog        27822.00      35.20
## 1455        more_than_5_years    32000.00      11.37
## 1456             No_derog        35000.00       2.81
## 1457           1_to_3_years      36000.00      15.50
## 1458        more_than_5_years    24100.00      30.98
## 1459             No_derog        49200.00       8.88
## 1460             No_derog        40000.00      19.64
## 1461             No_derog        10200.00       1.76
## 1462             No_derog        20028.00      27.44
## 1463             No_derog        42000.00       5.00
## 1464           3_to_5_years      20000.00      12.73
## 1465             No_derog        50000.00      35.50
## 1466             No_derog       132000.00      21.05
## 1467           3_to_5_years     200000.00       2.19
## 1468             No_derog        48500.00      21.03
## 1469             No_derog        24420.00      37.30
## 1470             No_derog        37380.00      17.28
## 1471             No_derog       225000.00      11.97
## 1472           1_to_3_years      48000.00      17.89
## 1473             No_derog        52800.00       8.68
## 1474             No_derog        37500.00      23.90
## 1475             No_derog        25000.00      17.81
## 1476             No_derog        33000.00      37.56
## 1477             No_derog        17662.00      30.12
## 1478             No_derog        25000.00      28.71
## 1479             No_derog        60000.00       6.86
## 1480             No_derog        31664.00      28.84
## 1481           3_to_5_years      64000.00      17.14
## 1482             No_derog        34800.00      37.28
## 1483             No_derog        16000.00      30.76
## 1484             No_derog        27000.00      24.13
## 1485             No_derog        27140.00      20.83
## 1486              recent         50000.00      24.31
## 1487             No_derog        32000.00      20.26
## 1488             No_derog        39400.00      36.92
## 1489             No_derog        25000.00       9.03
## 1490             No_derog        27192.00      21.09
## 1491             No_derog        35000.00      24.55
## 1492             No_derog        17000.00      22.23
## 1493             No_derog        24000.00      12.60
## 1494             No_derog        35000.00      13.95
## 1495             No_derog        17496.80       3.36
## 1496             No_derog        51600.00      20.74
## 1497             No_derog         7200.00       9.50
## 1498             No_derog       120000.00       6.10
## 1499             No_derog        50000.00      15.25
## 1500              recent        120000.00      10.54
## 1501              recent         75000.00      17.92
## 1502           1_to_3_years      30204.70       9.50
```

```
## 1503              No_derog         65298.00     17.88
## 1504              No_derog         32000.00     20.37
## 1505              No_derog         27756.00     11.37
## 1506              No_derog          4000.00     15.02
## 1507              No_derog         18156.00     28.95
## 1508              No_derog         46000.00     16.74
## 1509      more_than_5_years        31000.00     10.07
## 1510          1_to_3_years         60000.00     21.10
## 1511      more_than_5_years        60000.00     18.86
## 1512              No_derog         60000.00      4.42
## 1513              No_derog         45000.00     19.31
## 1514          3_to_5_years        225000.00      6.11
## 1515              No_derog         43000.00     11.89
## 1516              No_derog         30000.00     17.72
## 1517          3_to_5_years         27000.00     27.16
## 1518              No_derog         38500.00     15.65
## 1519              No_derog         32000.00      4.30
## 1520              No_derog         85000.00     13.50
## 1521              No_derog         40000.00     10.59
## 1522              No_derog         42000.00      1.66
## 1523              No_derog         72000.00     17.67
## 1524          1_to_3_years         18000.00     14.93
## 1525              No_derog         32000.00      7.80
## 1526              No_derog         20000.00     25.63
## 1527              No_derog         21600.00      5.50
## 1528              No_derog         44800.00      6.19
## 1529          3_to_5_years         52896.00     27.81
## 1530      more_than_5_years        30000.00     22.28
## 1531              No_derog         36000.00     26.50
## 1532              No_derog         42000.00     15.09
## 1533              No_derog         50000.00     14.45
## 1534              No_derog         45000.00     14.16
## 1535          1_to_3_years         65500.00     19.62
## 1536              No_derog         42500.00     15.98
## 1537              No_derog         58800.00     18.86
## 1538              No_derog         52500.00     20.41
## 1539              No_derog        165000.00      4.06
## 1540              No_derog         35000.00     11.69
## 1541              No_derog         24500.00     13.87
## 1542              No_derog         76020.00     21.93
## 1543              No_derog         14376.00     18.45
## 1544              No_derog         48000.00     13.20
## 1545              No_derog         32520.00      6.97
## 1546              No_derog         20000.00     12.12
## 1547              No_derog         53000.00     24.08
## 1548          1_to_3_years         80000.00     21.59
## 1549          1_to_3_years         23000.00     25.42
## 1550              No_derog         31840.00     11.80
## 1551              No_derog         19764.00     11.35
## 1552          3_to_5_years         33200.00     13.02
## 1553              No_derog         28660.00     25.71
## 1554              No_derog         61524.00     35.71
## 1555              No_derog         56244.00     16.77
## 1556                recent         48000.00     11.55
```

```
## 1557             No_derog      26000.00     11.03
## 1558          1_to_3_years      80458.00     25.07
## 1559             No_derog      50000.00     17.91
## 1560             No_derog      54000.00     18.40
## 1561             No_derog      24000.00     21.95
## 1562             No_derog      13000.00     26.13
## 1563             No_derog      32000.00     13.09
## 1564             No_derog      54650.00     23.74
## 1565             No_derog      30000.00     11.12
## 1566             No_derog      68000.00     22.47
## 1567     more_than_5_years     25800.00     23.16
## 1568          1_to_3_years      85000.00     17.15
## 1569             No_derog      27000.00      4.00
## 1570             No_derog      70000.00     23.16
## 1571             No_derog      39000.00     21.29
## 1572          1_to_3_years      40000.00      5.31
## 1573             No_derog      59000.00     23.23
## 1574             No_derog      26000.00     12.60
## 1575             No_derog      60000.00     18.87
## 1576             No_derog      30000.00     21.84
## 1577             No_derog      60000.00     13.82
## 1578             No_derog      39000.00     30.52
## 1579             No_derog      75000.00     26.51
## 1580             No_derog      28000.00     14.57
## 1581     more_than_5_years     44800.00      5.12
## 1582             No_derog      50000.00     12.75
## 1583             No_derog      30000.00     16.88
## 1584             No_derog      32000.00     25.32
## 1585             No_derog      20000.00      8.76
## 1586             No_derog      67000.00     22.78
## 1587             No_derog      45000.00     26.39
## 1588             No_derog      42024.00      5.85
## 1589             No_derog      33168.00     19.43
## 1590          1_to_3_years     127000.00      4.50
## 1591             No_derog      22000.00     10.58
## 1592             No_derog      25000.00      7.92
## 1593          3_to_5_years      26000.00     17.66
## 1594             No_derog      40000.00     25.53
## 1595             No_derog      50000.00     14.64
## 1596             No_derog      46000.00     24.35
## 1597             No_derog      80000.00      7.70
## 1598             No_derog      50000.00     14.71
## 1599             No_derog      36000.00      4.90
## 1600             No_derog      65000.00     21.64
## 1601             No_derog      30000.00     10.72
## 1602             No_derog      92000.00     11.77
## 1603             No_derog      37000.00     23.81
## 1604             No_derog      74652.00     26.35
## 1605     more_than_5_years     85000.00     16.53
## 1606             No_derog     112000.00     10.19
## 1607             No_derog      53605.00     13.72
## 1608             No_derog      33000.00     24.73
## 1609             No_derog      68000.00     14.61
## 1610             No_derog      69000.00     30.29
```

```
## 1611                   No_derog      85000.00    11.50
## 1612                   No_derog      57000.00    17.18
## 1613                   No_derog      35000.00    27.13
## 1614                   No_derog      53000.00    17.07
## 1615                   No_derog      46000.00    13.10
## 1616                   No_derog      56000.00     4.86
## 1617                   No_derog     100000.00     9.38
## 1618                   No_derog      45000.00     8.03
## 1619                   No_derog     187000.00     4.90
## 1620                   No_derog      92000.00    24.51
## 1621                   No_derog      65000.00    10.89
## 1622                3_to_5_years     60000.00     7.68
## 1623                   No_derog      52000.00     4.25
## 1624                   No_derog     250000.00    15.36
## 1625                   No_derog      56000.00    17.66
## 1626                   No_derog      81000.00     7.22
## 1627                   No_derog     120000.00    13.69
## 1628                3_to_5_years     30072.00     5.67
## 1629                   No_derog      53714.88     5.45
## 1630                   No_derog      85000.00    13.47
## 1631                   No_derog      44000.00    20.35
## 1632                   No_derog      80000.00    22.63
## 1633                   No_derog      40000.00     4.95
## 1634                3_to_5_years     60000.00     6.70
## 1635                   No_derog      80000.00    20.40
## 1636                   No_derog      75000.00    20.02
## 1637                   No_derog      83000.00    18.62
## 1638                   No_derog     130000.00     8.03
## 1639                   No_derog      50000.00    13.27
## 1640                   No_derog      34000.00     0.00
## 1641                   No_derog     120000.00    12.41
## 1642                   No_derog     125928.00     3.43
## 1643                   No_derog      41764.00     1.67
## 1644                   No_derog      25000.00     5.59
## 1645                   No_derog     108000.00     5.83
## 1646                   No_derog      85000.00    13.65
## 1647                3_to_5_years     62000.00    15.49
## 1648                   No_derog     110000.00    14.41
## 1649                   No_derog      46000.00    21.26
## 1650                   No_derog      39500.00    13.09
## 1651                   No_derog      60000.00    23.57
## 1652                   No_derog      38517.60    14.30
## 1653                   No_derog      52000.00    11.86
## 1654                   No_derog      72000.00    11.45
## 1655                   No_derog      13728.00    23.34
## 1656                1_to_3_years     21250.00    15.13
## 1657                1_to_3_years     43944.00    14.12
## 1658                1_to_3_years     18439.00    13.28
## 1659          more_than_5_years    107008.00     9.35
## 1660                   No_derog      74000.00    27.81
## 1661                   No_derog     160000.00    29.78
## 1662                   No_derog      90000.00    16.70
## 1663                   No_derog     120000.00     8.69
## 1664                   No_derog      51664.00    25.59
```

```
## 1665            No_derog    174700.00    11.42
## 1666            No_derog     55985.00    24.33
## 1667            No_derog     61000.00     2.44
## 1668            No_derog     85000.00    13.95
## 1669            No_derog     58000.00    22.99
## 1670         1_to_3_years    66288.00    15.31
## 1671         3_to_5_years    35000.00     8.02
## 1672     more_than_5_years    31000.00     8.87
## 1673            No_derog     51000.00    15.96
## 1674     more_than_5_years    72147.24    19.44
## 1675         3_to_5_years    59772.00    18.85
## 1676     more_than_5_years   120000.00     8.43
## 1677         1_to_3_years    42000.00    12.60
## 1678            No_derog     75000.00     8.99
## 1679            No_derog    185000.00    12.89
## 1680            No_derog     43000.00    25.77
## 1681            No_derog     83000.00    14.57
## 1682            No_derog     76000.00    21.14
## 1683            No_derog    105000.00    13.95
## 1684            No_derog     42982.00    31.53
## 1685            No_derog     83200.00    23.22
## 1686            No_derog     95000.00    25.23
## 1687         3_to_5_years    45000.00     3.07
## 1688         1_to_3_years   168000.00    16.52
## 1689              recent     74000.00    15.89
## 1690         1_to_3_years    64000.00    15.89
## 1691            No_derog     65000.00    13.76
## 1692            No_derog     70000.00    15.45
## 1693            No_derog     34000.00    18.43
## 1694     more_than_5_years    45000.00    12.83
## 1695            No_derog     68000.00    18.27
## 1696         1_to_3_years    90000.00    19.69
## 1697         1_to_3_years    83000.00    17.69
## 1698            No_derog     35000.00     6.55
## 1699            No_derog     32000.00    22.88
## 1700            No_derog    127000.00    26.74
## 1701            No_derog     80000.00    13.14
## 1702            No_derog     45000.00     6.75
## 1703            No_derog     90000.00    21.56
## 1704            No_derog     92000.00     1.41
## 1705     more_than_5_years    90000.00    16.14
## 1706            No_derog     31917.12     7.86
## 1707            No_derog     32000.00    19.46
## 1708         1_to_3_years    47000.00    25.59
## 1709         3_to_5_years    95000.00    18.30
## 1710         3_to_5_years    30000.00     7.72
## 1711         3_to_5_years    67000.00    11.48
## 1712            No_derog     64980.00    27.61
## 1713            No_derog     60000.00    10.32
## 1714            No_derog     80000.00    11.00
## 1715         1_to_3_years    36000.00     4.99
## 1716     more_than_5_years    55000.00     8.01
## 1717              recent     80000.00    17.17
## 1718         3_to_5_years    57000.00    15.85
```

```
## 1719              No_derog       57000.00      9.83
## 1720              No_derog       38400.00     21.75
## 1721              No_derog       35000.00     14.18
## 1722           1_to_3_years     101000.00     14.85
## 1723              No_derog      108012.00     18.59
## 1724           3_to_5_years     128000.00     20.97
## 1725           1_to_3_years      62000.00     10.14
## 1726              No_derog       48000.00     10.68
## 1727           1_to_3_years     140000.00     15.04
## 1728           3_to_5_years      79882.00     18.31
## 1729              No_derog       60000.00     24.95
## 1730              No_derog       63504.00     19.60
## 1731              No_derog       43300.00     19.65
## 1732              No_derog      125000.00     15.07
## 1733              No_derog      120000.00      5.88
## 1734              No_derog       38134.00      6.58
## 1735              No_derog       60000.00     17.78
## 1736              No_derog       44000.00     26.27
## 1737              No_derog       40000.00     14.57
## 1738              No_derog       85200.00     13.83
## 1739              No_derog       65000.00      8.62
## 1740              No_derog      200000.00     12.14
## 1741              No_derog       56000.00      2.65
## 1742              No_derog       60000.00     14.60
## 1743              No_derog       72000.00     19.12
## 1744              No_derog       40000.00      7.77
## 1745              No_derog       35000.00     12.27
## 1746              No_derog       68000.00     10.75
## 1747              No_derog       29484.00     28.25
## 1748              No_derog       33600.00     18.11
## 1749              No_derog       63600.00      3.77
## 1750              No_derog       48000.00     19.57
## 1751              No_derog       41400.00     22.14
## 1752              No_derog       15000.00     20.96
## 1753              No_derog       45000.00     29.52
## 1754              No_derog      130000.00      2.33
## 1755              No_derog       24450.72     18.99
## 1756           3_to_5_years      46000.00     10.57
## 1757           1_to_3_years      56000.00     31.35
## 1758              No_derog       30000.00      4.84
## 1759           1_to_3_years      40000.00     31.53
## 1760           3_to_5_years      33876.00     15.20
## 1761           3_to_5_years      27600.00     10.87
## 1762           3_to_5_years      84237.00     15.84
## 1763      more_than_5_years      13200.00     29.64
## 1764              No_derog       50000.00     19.21
## 1765              No_derog       60000.00     11.39
## 1766              No_derog       49509.00     19.52
## 1767              No_derog       66000.00     23.51
## 1768              No_derog       15000.00     12.24
## 1769              No_derog       22000.00     11.17
## 1770              No_derog       33100.00      8.99
## 1771           3_to_5_years      49000.00     15.63
## 1772              No_derog       32000.00      7.20
```

```
## 1773              No_derog          77000.00     14.23
## 1774              No_derog          85000.00     19.61
## 1775     more_than_5_years          35000.00     14.82
## 1776              No_derog          57000.00     11.81
## 1777            3_to_5_years        65000.00      6.48
## 1778              No_derog          35000.00     13.44
## 1779              No_derog          60000.00      4.40
## 1780              No_derog          42000.00     17.49
## 1781              No_derog          69750.00     22.05
## 1782              No_derog          75000.00      8.00
## 1783              No_derog          75000.00     20.36
## 1784              No_derog          60000.00     21.14
## 1785            1_to_3_years        38211.00     11.69
## 1786              No_derog          35000.00      7.65
## 1787              No_derog          30000.00      2.80
## 1788              No_derog          24000.00      4.00
## 1789              No_derog          20000.00      9.72
## 1790     more_than_5_years          35000.00     31.04
## 1791              No_derog          73000.00     10.54
## 1792            3_to_5_years        31080.00     20.66
## 1793              No_derog          32000.00     14.59
## 1794     more_than_5_years          57000.00     13.29
## 1795              No_derog         300000.00      5.47
## 1796              No_derog          33000.00     17.27
## 1797            1_to_3_years        46000.00     12.11
## 1798              No_derog          30000.00     16.48
## 1799              No_derog          23100.00     17.04
## 1800     more_than_5_years          14000.00     27.62
## 1801     more_than_5_years          63850.00     12.20
## 1802              No_derog          60000.00      8.12
## 1803            3_to_5_years        50000.00     22.59
## 1804              No_derog          61224.00     22.09
## 1805              No_derog          25500.00     10.02
## 1806              No_derog          64500.00      8.63
## 1807              No_derog          22000.00     23.18
## 1808              No_derog          88000.00      3.70
## 1809              No_derog          38000.00     12.60
## 1810              No_derog          66000.00     19.18
## 1811              No_derog          15000.00     16.32
## 1812            3_to_5_years       130000.00     18.89
## 1813            1_to_3_years        68000.00     13.60
## 1814              No_derog          22000.00      2.73
## 1815              No_derog          15000.00     32.88
## 1816              No_derog          33000.00      9.85
## 1817              No_derog          20400.00      5.53
## 1818            1_to_3_years        33000.00      9.93
## 1819     more_than_5_years          45000.00      7.44
## 1820              No_derog          30000.00      9.12
## 1821            3_to_5_years        37000.00     17.09
## 1822              No_derog          36144.00     18.76
## 1823              No_derog          71000.00     16.18
## 1824              No_derog          75000.00      9.76
## 1825              No_derog          45000.00     10.67
## 1826              No_derog          65000.00     24.50
```

```
## 1827              No_derog        100000.00    10.96
## 1828              No_derog         16000.00    21.25
## 1829              No_derog         53245.00     7.12
## 1830              No_derog         40000.00     8.91
## 1831              No_derog         20084.00    13.62
## 1832              No_derog         45000.00    13.28
## 1833              No_derog         44000.00    16.06
## 1834              No_derog         40000.00    16.89
## 1835              No_derog         28000.00    10.80
## 1836              No_derog         70000.00    17.59
## 1837     more_than_5_years         40000.00    16.38
## 1838     more_than_5_years         28000.00    23.19
## 1839              No_derog         65000.00    14.92
## 1840              No_derog         60000.00    28.38
## 1841            3_to_5_years      150000.00     4.62
## 1842              No_derog         75000.00    10.43
## 1843            1_to_3_years       70000.00    13.54
## 1844            3_to_5_years       75114.84     6.02
## 1845              No_derog         42000.00    36.74
## 1846              No_derog         57600.00    27.67
## 1847              No_derog         88000.00    32.22
## 1848              No_derog         28722.00    10.71
## 1849              No_derog         51000.00    28.88
## 1850              No_derog         45168.00    12.65
## 1851              No_derog         49000.00    23.05
## 1852              No_derog         70000.00    29.94
## 1853              No_derog        120000.00    29.75
## 1854              No_derog         71700.00    21.61
## 1855     more_than_5_years         29500.00     9.07
## 1856              No_derog         47280.00    33.68
## 1857              No_derog         19000.00    18.51
## 1858              No_derog         36000.00    16.50
## 1859              No_derog         64000.00    17.33
## 1860              No_derog         90000.00    17.52
## 1861     more_than_5_years         41000.00     5.26
## 1862              No_derog         57000.00    21.66
## 1863              No_derog         64000.00    19.91
## 1864              No_derog         26796.00    11.02
## 1865              No_derog         85000.00    25.55
## 1866              No_derog         70000.00    10.59
## 1867            3_to_5_years       23256.00    34.34
## 1868            1_to_3_years       33000.00     7.82
## 1869            3_to_5_years       22000.00    15.28
## 1870              No_derog         45600.00    22.26
## 1871              No_derog         80000.00    10.48
## 1872              No_derog         47000.00     5.82
## 1873            1_to_3_years       28000.00    21.13
## 1874              No_derog         31200.00    25.85
## 1875              No_derog         34836.00    27.32
## 1876              No_derog        100000.00    23.23
## 1877              No_derog         44000.00    30.58
## 1878              No_derog         80000.00     7.49
## 1879              No_derog         41000.00    17.30
## 1880              No_derog         98000.00    16.75
```

```
## 1881              No_derog       35286.00    9.83
## 1882              No_derog       80000.00   19.28
## 1883           1_to_3_years      69000.00   20.73
## 1884              No_derog       57240.00   11.95
## 1885              No_derog       50000.00   11.88
## 1886              No_derog       54000.00   28.49
## 1887              No_derog       52000.00   28.06
## 1888           1_to_3_years      40000.00   25.47
## 1889           1_to_3_years      81675.00   16.99
## 1890           3_to_5_years      48000.00    9.65
## 1891              No_derog       65000.00    9.17
## 1892              No_derog       46860.00   33.27
## 1893           3_to_5_years      60492.90   25.90
## 1894              No_derog       40632.00    9.66
## 1895           3_to_5_years      65000.00   26.53
## 1896              No_derog       18500.00   22.58
## 1897              No_derog       54000.00   32.69
## 1898              No_derog       25000.00   25.30
## 1899        more_than_5_years    90000.00   10.96
## 1900              No_derog       83000.00   26.24
## 1901              No_derog       42000.00   18.94
## 1902        more_than_5_years    26500.00   15.22
## 1903           1_to_3_years      63492.00   18.05
## 1904              No_derog       33232.44   11.30
## 1905        more_than_5_years    24000.00   21.30
## 1906              No_derog       50000.00   27.65
## 1907              No_derog       34000.00   13.70
## 1908              No_derog       55896.00   10.52
## 1909              No_derog       29100.00   20.91
## 1910              No_derog       31400.00   17.51
## 1911        more_than_5_years    73455.96   20.60
## 1912           1_to_3_years      47709.54   30.31
## 1913              No_derog       42985.00   29.96
## 1914           1_to_3_years      13968.00   12.63
## 1915              No_derog       61784.88   30.13
## 1916              No_derog       52000.00   37.41
## 1917        more_than_5_years    45000.00   31.95
## 1918           3_to_5_years      24000.00   14.70
## 1919        more_than_5_years    22000.00   32.19
## 1920              No_derog       65000.00   28.16
## 1921           1_to_3_years      66000.00    6.35
## 1922           1_to_3_years     120000.00   12.99
## 1923           3_to_5_years      48185.06   21.52
## 1924              No_derog       69000.00   16.42
## 1925           3_to_5_years      50973.96    9.77
## 1926           1_to_3_years      40000.00   26.36
## 1927           3_to_5_years      31500.00   29.87
## 1928           1_to_3_years     100000.00   22.81
## 1929           1_to_3_years      45000.00   21.33
## 1930              No_derog       56172.00   23.14
## 1931              No_derog       83808.00   21.55
## 1932           1_to_3_years      60000.00   25.24
## 1933           3_to_5_years      50000.00   36.89
## 1934              No_derog       65000.00   18.67
```

```
## 1935              No_derog    67000.00    15.14
## 1936            3_to_5_years    96000.00    13.63
## 1937              No_derog    70000.00    27.92
## 1938        more_than_5_years    63000.00    12.80
## 1939              No_derog    32896.92    22.04
## 1940              No_derog    30000.00    20.48
## 1941              No_derog    34000.00    39.89
## 1942              No_derog    65000.00    12.57
## 1943              No_derog    60000.00    24.87
## 1944              No_derog    30000.00    24.24
## 1945              No_derog    25743.00    19.30
## 1946            3_to_5_years    80000.00    19.74
## 1947            1_to_3_years    44352.00    29.62
## 1948              No_derog   100000.00    15.32
## 1949            3_to_5_years    48000.00    24.38
## 1950              No_derog   100000.00    24.66
## 1951              No_derog    60000.00    28.96
## 1952              No_derog    86000.00    27.70
## 1953            3_to_5_years    41160.00    12.87
## 1954              No_derog    39000.00    16.89
## 1955            3_to_5_years    81600.00    16.79
## 1956              No_derog    30000.00    33.20
## 1957              No_derog    66180.00    14.08
## 1958              No_derog    38443.56    28.89
## 1959              No_derog    51684.00    11.42
## 1960            1_to_3_years    85000.00     2.74
## 1961              No_derog    44000.00    15.99
## 1962            1_to_3_years    44720.00    18.01
## 1963            1_to_3_years    50000.00    34.69
## 1964            3_to_5_years    45000.00    20.24
## 1965              No_derog    42000.00    21.23
## 1966              No_derog    33240.00    13.14
## 1967              No_derog    51766.00    13.66
## 1968              No_derog    39228.00    22.48
## 1969              No_derog    47137.44    21.31
## 1970            1_to_3_years    62000.00     7.82
## 1971              No_derog    67000.00    15.83
## 1972              No_derog    22764.00    21.67
## 1973              No_derog    43100.00    16.57
## 1974              No_derog    44000.00    14.14
## 1975              No_derog    32900.00    13.21
## 1976               recent    55000.00    29.57
## 1977              No_derog    26000.00    19.62
## 1978            3_to_5_years    23254.00     6.50
## 1979              No_derog    39000.00    11.45
## 1980              No_derog    53544.00     2.89
## 1981        more_than_5_years    30000.00    19.16
## 1982        more_than_5_years    45000.00    17.04
## 1983            1_to_3_years   133000.00     9.43
## 1984        more_than_5_years    50484.00     9.27
## 1985            3_to_5_years   116400.00     7.11
## 1986            1_to_3_years   120000.00    10.98
## 1987              No_derog    29400.00     2.04
## 1988              No_derog    40158.00    20.84
```

```
## 1989              3_to_5_years      32420.00      6.22
## 1990                  No_derog      40000.00     22.95
## 1991                  No_derog      61000.00      3.52
## 1992                  No_derog      79800.00     24.72
## 1993                  No_derog      40000.00     19.08
## 1994                  No_derog      62180.00     14.01
## 1995            more_than_5_years   12144.00     10.77
## 1996                  No_derog      27360.00     23.33
## 1997                  No_derog      31190.00     24.39
## 1998                  No_derog      52400.00     10.49
## 1999                  No_derog      74626.00     33.16
## 2000              3_to_5_years      60000.00     10.58
## 2001                  No_derog      34100.00     11.93
## 2002              3_to_5_years      34296.00     26.58
## 2003                  No_derog      75000.00     24.48
## 2004            more_than_5_years   54241.00     11.84
## 2005                  No_derog      44000.00     16.47
## 2006              3_to_5_years      55220.65      7.39
## 2007                  No_derog      50000.00     21.65
## 2008                  No_derog      49284.00     24.42
## 2009              3_to_5_years      48209.00     13.56
## 2010                  No_derog      97800.00     24.20
## 2011              1_to_3_years      75000.00     12.89
## 2012              3_to_5_years      16876.00      8.96
## 2013              1_to_3_years      46000.00      7.28
## 2014              1_to_3_years      48000.00      9.75
## 2015                  No_derog      19000.00     29.82
## 2016                  No_derog      60000.00     21.39
## 2017              3_to_5_years      45000.00     12.85
## 2018                  No_derog      30012.00     19.31
## 2019            more_than_5_years   34980.00      5.35
## 2020                  No_derog      26000.00      7.71
## 2021                  No_derog      39000.00     24.22
## 2022                  No_derog      29165.00     23.00
## 2023                  No_derog      65000.00      8.86
## 2024                  No_derog      57650.00     18.12
## 2025              3_to_5_years      65000.00     26.18
## 2026              3_to_5_years      51960.00      5.75
## 2027              3_to_5_years      54480.00     21.05
## 2028                    recent      95329.92      1.73
## 2029                  No_derog      70000.00     33.48
## 2030              1_to_3_years      62245.00     30.06
## 2031              3_to_5_years      60000.00     20.44
## 2032              3_to_5_years      64550.00     32.66
## 2033                  No_derog      20000.00     11.58
## 2034                  No_derog      21350.00     15.23
## 2035                  No_derog      60000.00      2.24
## 2036                    recent      84000.00     30.96
## 2037                  No_derog      22000.00     16.58
## 2038              3_to_5_years      30000.00     12.28
## 2039                  No_derog      20880.00     19.25
## 2040                  No_derog      15500.00     15.26
## 2041                  No_derog      44700.00     24.83
## 2042                  No_derog      51000.00     15.65
```

```
## 2043                3_to_5_years     38525.00    15.61
## 2044                    No_derog     34500.00    25.81
## 2045                    No_derog     32000.00    25.06
## 2046                    No_derog     26088.00    20.12
## 2047                    No_derog     39600.00     7.79
## 2048                    No_derog     42713.76    10.12
## 2049                    No_derog     70000.00    28.56
## 2050                    No_derog    105000.00    13.89
## 2051                    No_derog    284400.00     3.17
## 2052                    No_derog     28800.00    11.25
## 2053                    No_derog     28296.00    26.51
## 2054                    No_derog     50000.00     7.90
## 2055                    No_derog     35000.00    16.66
## 2056                    No_derog     40000.00    22.26
## 2057                    No_derog     30000.00     7.56
## 2058                1_to_3_years     50000.00    20.57
## 2059                    No_derog     35000.00    16.46
## 2060           more_than_5_years    27200.00    24.89
## 2061                    No_derog     60000.00    21.74
## 2062                    No_derog     47000.00    35.67
## 2063                    No_derog     48000.00    27.04
## 2064                    No_derog     52000.00    30.40
## 2065                1_to_3_years     47292.00    21.56
## 2066           more_than_5_years    57000.00    14.85
## 2067                    No_derog     31000.00    24.55
## 2068                    No_derog     63000.00    37.64
## 2069                    No_derog     70800.00    23.02
## 2070                    No_derog     62100.00    16.58
## 2071                    No_derog     28200.00    21.02
## 2072                    No_derog     47279.00    21.88
## 2073                    No_derog     80000.00    15.62
## 2074                    No_derog     38400.00    16.66
## 2075                    No_derog     40000.00    37.21
## 2076                3_to_5_years     95000.00    10.95
## 2077           more_than_5_years    60231.00    14.62
## 2078           more_than_5_years    47000.00    35.32
## 2079                    No_derog     55000.00    16.10
## 2080                3_to_5_years     89000.00    20.20
## 2081                    No_derog     26400.00    10.14
## 2082                3_to_5_years     59276.00    32.44
## 2083                    No_derog     40000.00    27.60
## 2084                    No_derog     35000.00    14.75
## 2085                    No_derog    120000.00     3.11
## 2086           more_than_5_years    78772.00    10.45
## 2087                1_to_3_years     36000.00     4.78
## 2088                    No_derog     44000.00    24.50
## 2089                    No_derog     84000.00    10.31
## 2090           more_than_5_years    95000.00    14.01
## 2091           more_than_5_years    63400.00     5.92
## 2092           more_than_5_years    70000.00    26.21
## 2093                    No_derog     53000.00    12.39
## 2094                    No_derog     56000.00    19.35
## 2095                    No_derog     71520.00    25.20
## 2096                    No_derog     45000.00    25.01
```

```
## 2097                 No_derog     155000.00      21.65
## 2098       more_than_5_years       86000.00      19.19
## 2099                 No_derog       24000.00      17.05
## 2100                 No_derog       12500.00       7.39
## 2101                 No_derog       25000.00       8.35
## 2102       more_than_5_years       65000.00      35.50
## 2103                 No_derog       36588.00       8.63
## 2104                 No_derog       36000.00      22.87
## 2105                 No_derog       38268.00      14.21
## 2106                 No_derog       71400.00       3.33
## 2107                 No_derog       28800.00       2.79
## 2108                 No_derog       70632.00      10.45
## 2109                 No_derog      134000.00       0.13
## 2110                 No_derog       41500.00      27.84
## 2111                 No_derog       70800.00       6.73
## 2112                 No_derog       26292.00      12.28
## 2113             3_to_5_years       42000.00      25.43
## 2114       more_than_5_years       45000.00      12.27
## 2115                 No_derog       58000.00       6.99
## 2116                 No_derog       45000.00      29.81
## 2117       more_than_5_years      110000.00      15.14
## 2118             3_to_5_years       54000.00       6.51
## 2119             3_to_5_years       25000.00      36.34
## 2120                 No_derog       32171.00       6.19
## 2121                 No_derog      130000.00       7.44
## 2122                 No_derog       61000.00       8.46
## 2123                 No_derog       50000.00      10.63
## 2124                 No_derog       36000.00      11.73
## 2125                 No_derog       59000.00      19.51
## 2126                 No_derog       62000.00      15.60
## 2127       more_than_5_years       38000.00      17.12
##  [ reached 'max' / getOption("max.print") -- omitted 38223 rows ]
```

```r
temp<-cleaning %>% filter(emp_length=="n/a")
hist(temp$annual_inc_merged,breaks = 100)
```

Histogram of temp$annual_inc_merged
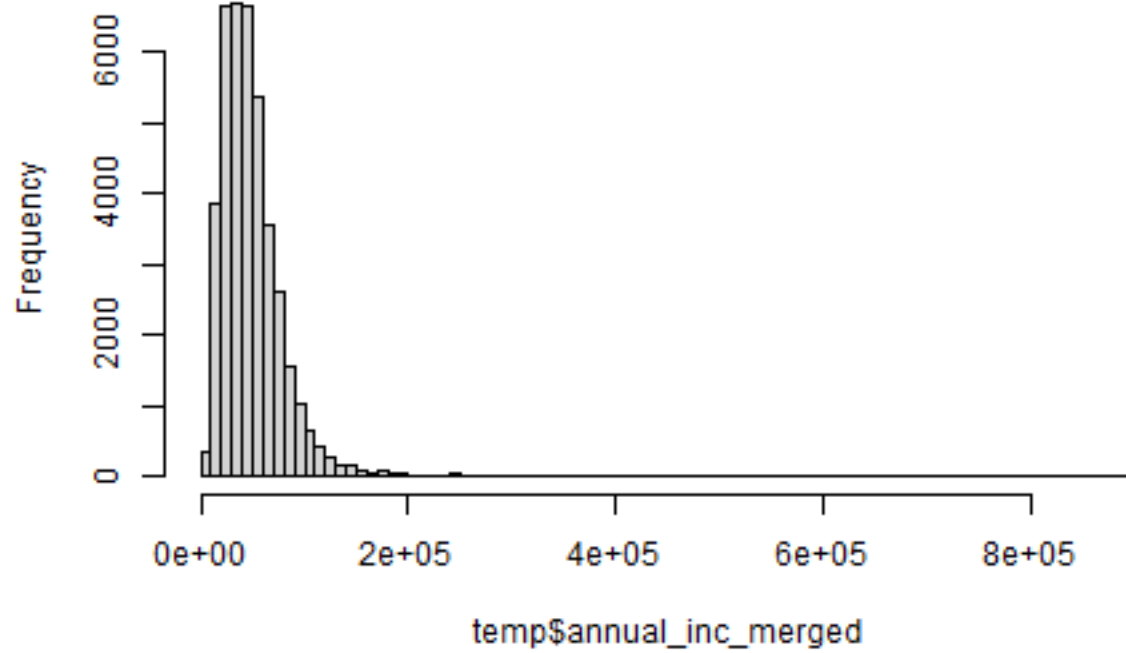

```
hist(cleaning$annual_inc_merged,breaks = 100)
```

Histogram of cleaning$annual_inc_merged
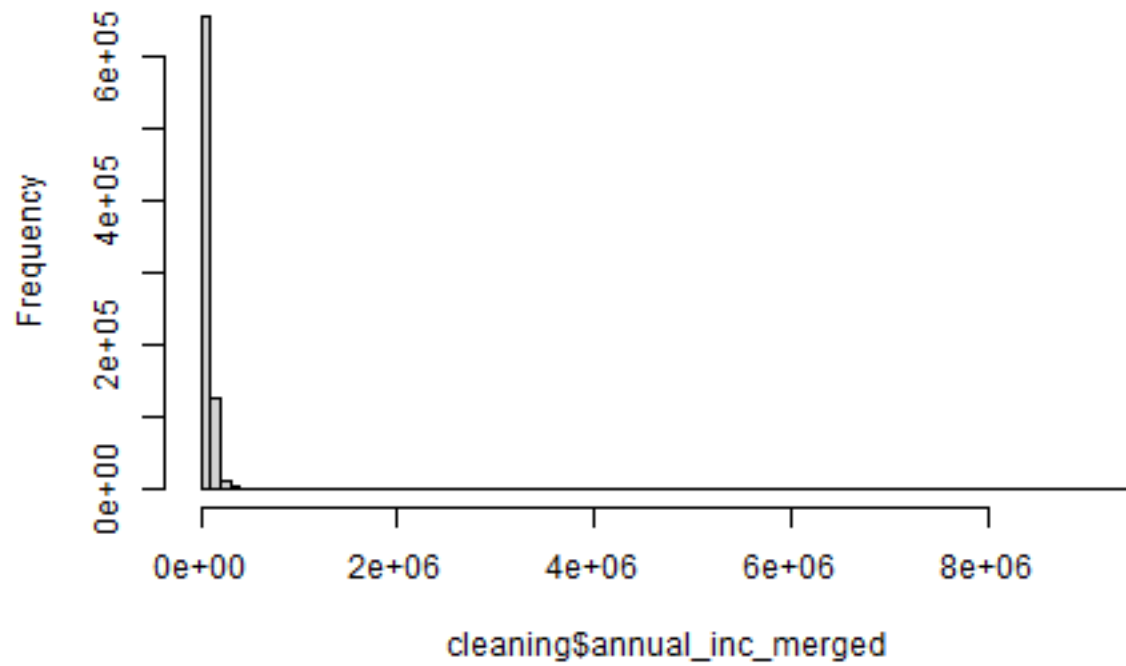

```
temp2<-cleaning %>% filter(annual_inc_merged<100000)
hist(temp2$annual_inc_merged,breaks = 100)
```

Histogram of temp2$annual_inc_merged


```
substr(cleaning$issue_d,5,8)
```
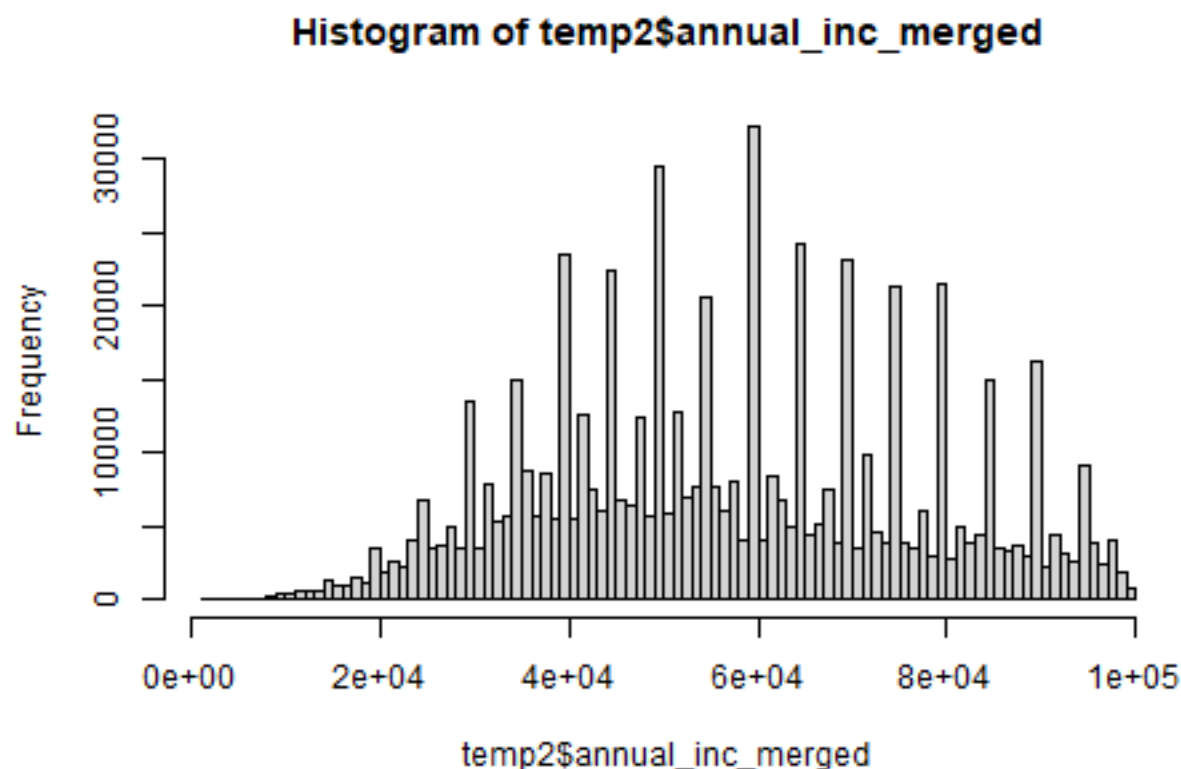
```
##     [1] "2013" "2011" "2014" "2014" "2013" "2014" "2013" "2013" "2012" "2010"
##    [11] "2010" "2015" "2011" "2013" "2014" "2010" "2012" "2009" "2009" "2012"
##    [21] "2013" "2014" "2012" "2012" "2011" "2011" "2009" "2012" "2011" "2011"
##    [31] "2015" "2015" "2015" "2015" "2015" "2015" "2015" "2015" "2015" "2015"
##    [41] "2015" "2015" "2015" "2015" "2015" "2015" "2015" "2015" "2015" "2015"
##    [51] "2015" "2012" "2012" "2012" "2012" "2014" "2012" "2012" "2011" "2012"
##    [61] "2012" "2010" "2011" "2010" "2012" "2013" "2015" "2013" "2014" "2014"
##    [71] "2015" "2015" "2015" "2015" "2015" "2014" "2014" "2015" "2014" "2015"
##    [81] "2015" "2015" "2015" "2013" "2015" "2014" "2013" "2015" "2013" "2013"
##    [91] "2015" "2014" "2013" "2014" "2015" "2015" "2015" "2015" "2015" "2014"
##   [101] "2015" "2013" "2015" "2014" "2014" "2012" "2012" "2011" "2010" "2012"
##   [111] "2012" "2011" "2010" "2012" "2013" "2011" "2010" "2012" "2011" "2012"
##   [121] "2012" "2011" "2014" "2012" "2012" "2013" "2012" "2013" "2011" "2013"
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##  [ reached getOption("max.print") -- omitted 698087 entries ]
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```r
cleaning <- cleaning %>% mutate(
    issue_d = substr(cleaning$issue_d,5,8))
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```r
group1 <- c("2007","2008","2010","2015","2011")
```

```
cleaning <- cleaning %>% mutate(
    year_group = ifelse(issue_d %in% group1,"Group1", "Group2")) %>% select(-issue_d)

 cleaning$year_group <- as.factor(cleaning$year_group)

ggplot(data = cleaning, mapping = aes(x=int_rate,y=year_group))+geom_boxplot()
```
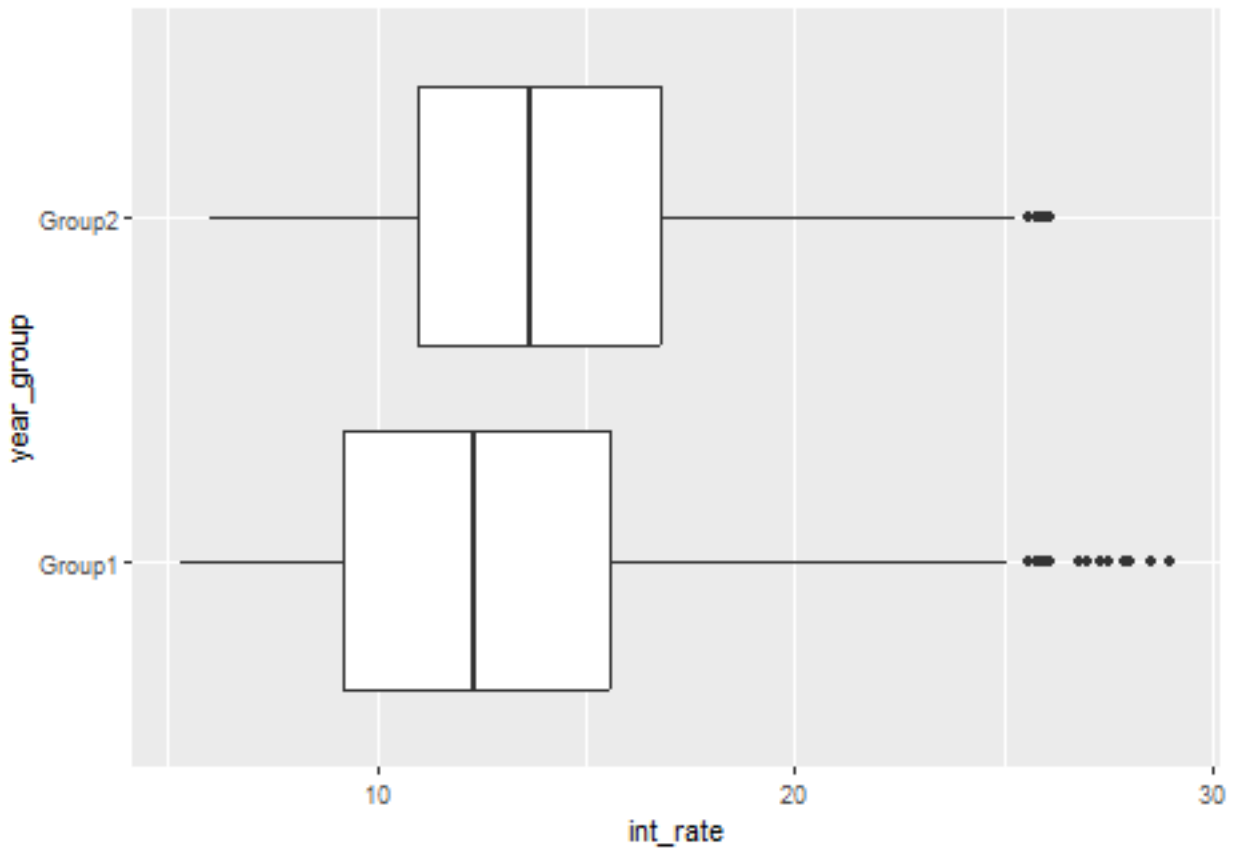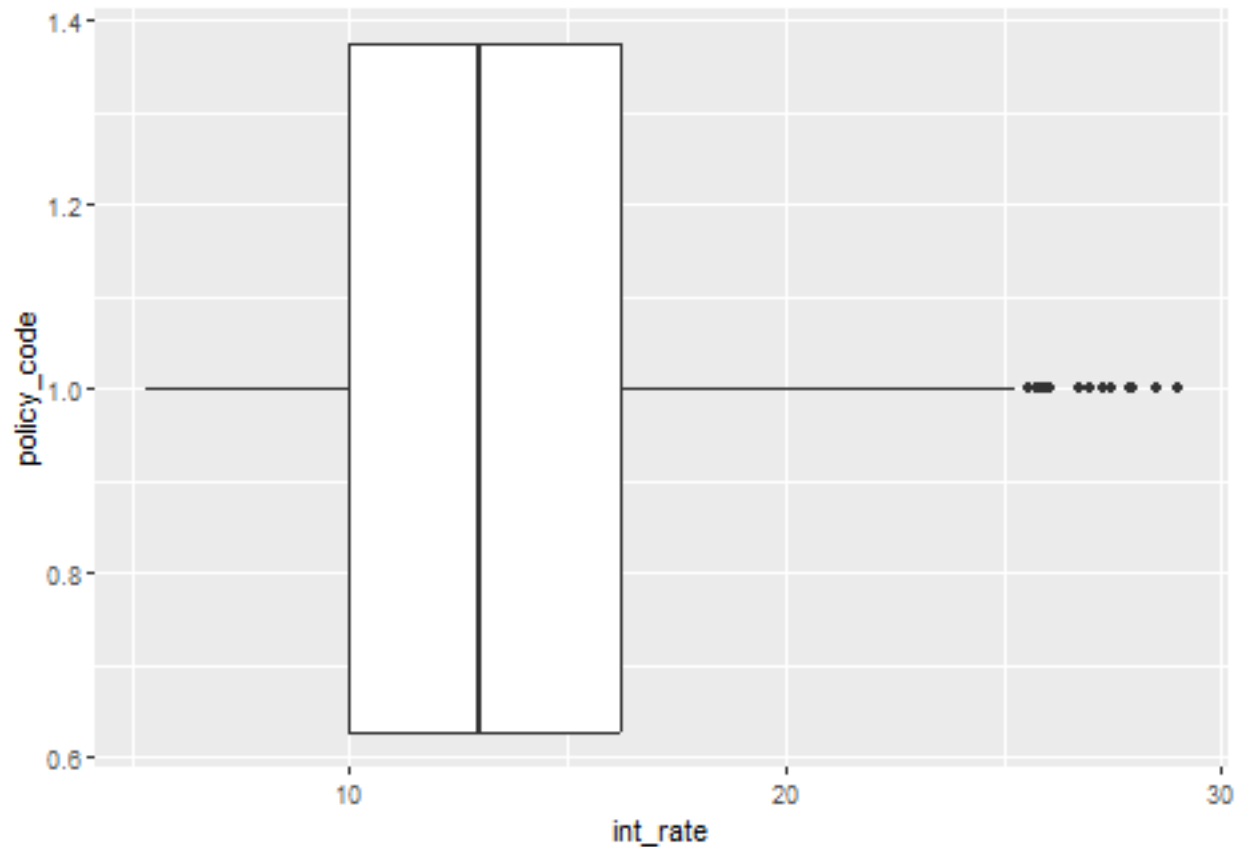

There is only policy code 1, therefore delete the column

```
ggplot(data = cleaning, mapping = aes(x=int_rate,y=policy_code))+geom_boxplot()
```

```
cleaning <- cleaning %>% select(-policy_code)
```

Cleaning of home_ownership When plotting the data, there seem to be no correlation to interest rates ANY are 2, OTHER are 154 and NONE are 39. Only none seem to have a higher interest rate then the others but with 39 cases this seems odd. Because None would mean they are homeless and we can not imagine giving loans to homeless people...

Factorize home ownership column after that code when rerunning because otherwise it will retain the deleted rows.

```
ggplot(data = cleaning, mapping = aes(x=int_rate,y=home_ownership))+geom_boxplot()
```
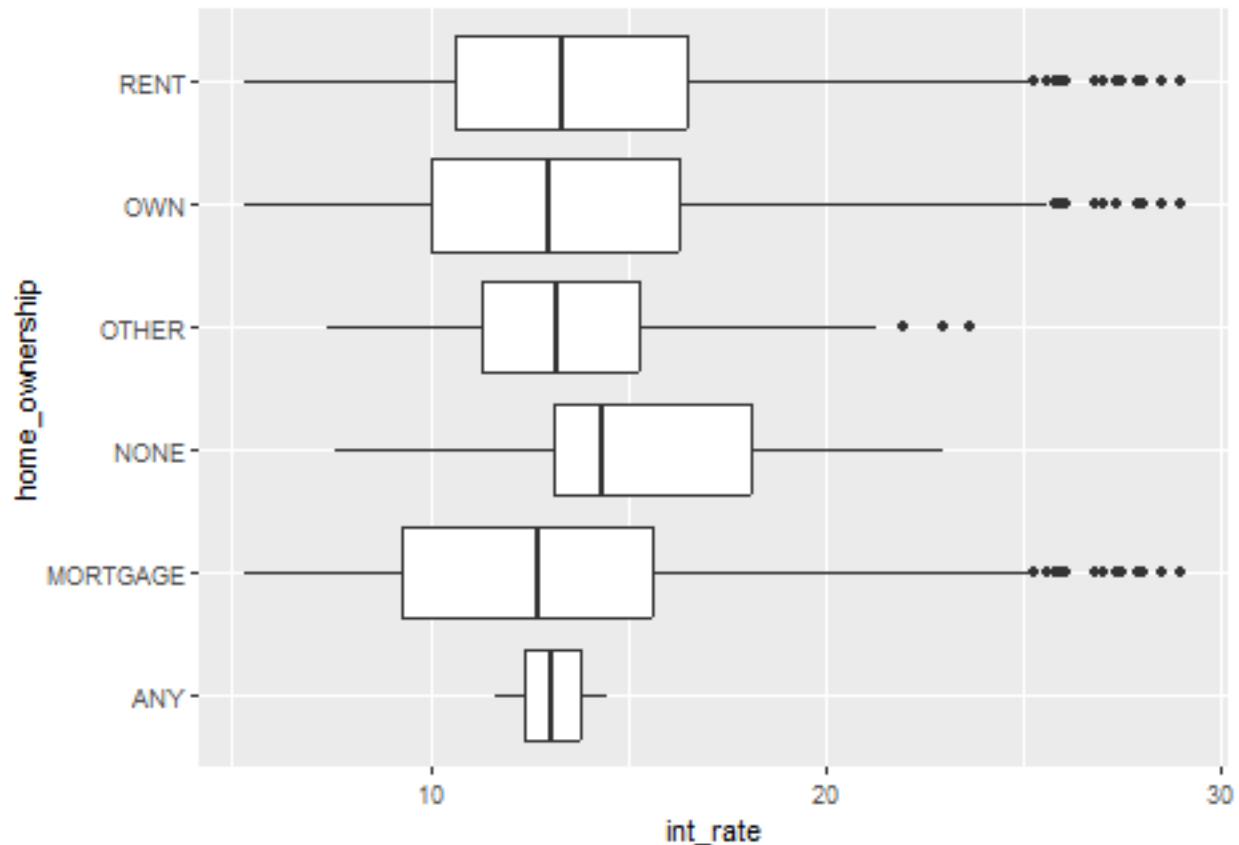
```
cleaning <- cleaning %>% filter(home_ownership %in% c("MORTGAGE","OWN","RENT") )
cleaning$home_ownership <- as.factor(cleaning$home_ownership)
```

Delete column zip code

```
cleaning <- cleaning %>% select(-zip_code)
```

Merge column addr_state. A common way of referring to regions in the United States is grouping them into 5 regions according to their geographic position on the continent: the Northeast:PA, NY, NJ, CT, RI, MA, VT, NH, ME, DE, MD Southwest:AZ, CA, CO, NV, NM, UT Northwest: ID, MT, OR, WA, WI, AK Southeast:AL, FL, GA, KY, MS, SC, NC, TN, VA, WV Midwest:IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, WI,
South:AR, LA, OK, TX

```
Northeast <- c("PA","NY","NJ","CT","RI","MA","VT","NH","ME","DE","MD")
Southwest <- c("AZ","CA","CO","NV","NM","UT")
Northwest <- c("ID","MT","OR","WA","WI","AK")
Southeast <- c("AL","FL","GA","KY","MS","SC","NC","TN","VA","WV")
Midwest <- c("IL","IN","IA","KS","MI","MN","MO","NE","ND","OH","SD","WI")
South <- c("AR","LA","OK","TX")

cleaning <- cleaning %>% mutate(
    region = ifelse(addr_state %in% Northeast,"northeast",
             ifelse(addr_state %in% Southwest,"southwest",
              ifelse(addr_state %in% Northwest,"northwest",
```

```
                    ifelse(addr_state %in% Southeast,"southeast",
                     ifelse(addr_state %in% Midwest,"midwest","south"))))))

  cleaning <- cleaning %>% select(-addr_state)
    cleaning$region <- as.factor(cleaning$region)
```

Last but not least just deleting earliest_cr_line because that information is already covered through colums like inquieries, employed since and so on.

```
cleaning <- cleaning %>% select(-earliest_cr_line)
```

```
summary(cleaning)
```

```
##    loan_amnt             term             int_rate       installment
## Min.   :  500    36 months:558413   Min.   : 5.32    Min.   :  15.67
## 1st Qu.: 8000    60 months:239478   1st Qu.: 9.99    1st Qu.: 260.71
## Median :13000                       Median :12.99    Median : 382.55
## Mean   :14758                       Mean   :13.24    Mean   : 436.74
## 3rd Qu.:20000                       3rd Qu.:16.20    3rd Qu.: 572.72
## Max.   :35000                       Max.   :28.99    Max.   :1445.46
##
##       emp_length       home_ownership       verification_status
## 10+ years:262163   MORTGAGE:398891    Not Verified    :240019
## 2 years  : 70881   OWN     : 78722    Source Verified:296478
## < 1 year : 63362   RENT    :320278    Verified        :261394
## 3 years  : 62933
## 1 year   : 51468
## 5 years  : 50118
## (Other)  :236966
##                 purpose          delinq_2yrs       inq_last_6mths
## debt_consolidation:471654   Min.   : 0.0000    Min.   : 0.0000
## credit_card       :185353   1st Qu.: 0.0000    1st Qu.: 0.0000
## home_improvement  : 46459   Median : 0.0000    Median : 0.0000
## other             : 38611   Mean   : 0.3143    Mean   : 0.6945
## major_purchase    : 15549   3rd Qu.: 0.0000    3rd Qu.: 1.0000
## small_business    :  9349   Max.   :39.0000    Max.   :33.0000
## (Other)           : 30916
##    open_acc         pub_rec          revol_bal          revol_util
## Min.   : 1.00   Min.   : 0.0000   Min.   :      0   Min.   :  0.00
## 1st Qu.: 8.00   1st Qu.: 0.0000   1st Qu.:   6451   1st Qu.: 37.70
## Median :11.00   Median : 0.0000   Median :  11882   Median : 56.00
## Mean   :11.55   Mean   : 0.1954   Mean   :  16934   Mean   : 55.05
## 3rd Qu.:14.00   3rd Qu.: 0.0000   3rd Qu.:  20844   3rd Qu.: 73.50
## Max.   :90.00   Max.   :63.0000   Max.   :2904836   Max.   :892.30
##
##    total_acc     initial_list_status   out_prncp       out_prncp_inv
## Min.   :  1.00   f:410580            Min.   :    0   Min.   :    0
## 1st Qu.: 17.00   w:387311            1st Qu.:    0   1st Qu.:    0
## Median : 24.00                       Median : 6465   Median : 6460
## Mean   : 25.27                       Mean   : 8407   Mean   : 8403
## 3rd Qu.: 32.00                       3rd Qu.:13664   3rd Qu.:13660
## Max.   :169.00                       Max.   :49373   Max.   :49373
```

```
##
##    collections_12_mths_ex_med acc_now_delinq      tot_coll_amt
##  Min.   : 0.00000           Min.   : 0.000000   Min.   :      0
##  1st Qu.: 0.00000           1st Qu.: 0.000000   1st Qu.:      0
##  Median : 0.00000           Median : 0.000000   Median :      0
##  Mean   : 0.01448           Mean   : 0.005026   Mean   :    210
##  3rd Qu.: 0.00000           3rd Qu.: 0.000000   3rd Qu.:      0
##  Max.   :20.00000           Max.   :14.000000   Max.   :9152545
##
##    tot_cur_bal      open_acc_6m        open_il_6m        open_il_12m
##  Min.   :      0   Min.   : 0.00000   Min.   : 0.00000   Min.   : 0.00000
##  1st Qu.:  23206   1st Qu.: 0.00000   1st Qu.: 0.00000   1st Qu.: 0.00000
##  Median :  65420   Median : 0.00000   Median : 0.00000   Median : 0.00000
##  Mean   : 128477   Mean   : 0.02641   Mean   : 0.06983   Mean   : 0.01817
##  3rd Qu.: 195890   3rd Qu.: 0.00000   3rd Qu.: 0.00000   3rd Qu.: 0.00000
##  Max.   :8000078   Max.   :14.00000   Max.   :33.00000   Max.   :12.00000
##
##    open_il_24m      mths_since_rcnt_il  total_bal_il       il_util
##  Min.   : 0.00000   Min.   :  0.0000   Min.   :     0.0   Min.   :  0.00
##  1st Qu.: 0.00000   1st Qu.:  0.0000   1st Qu.:     0.0   1st Qu.:  0.00
##  Median : 0.00000   Median :  0.0000   Median :     0.0   Median :  0.00
##  Mean   : 0.03992   Mean   :  0.4919   Mean   :   872.1   Mean   :  1.49
##  3rd Qu.: 0.00000   3rd Qu.:  0.0000   3rd Qu.:     0.0   3rd Qu.:  0.00
##  Max.   :19.00000   Max.   :363.0000   Max.   :878459.0   Max.   :223.30
##
##    open_rv_12m       open_rv_24m        max_bal_bc         all_util
##  Min.   : 0.00000   Min.   : 0.00000   Min.   :    0.0   Min.   :  0.000
##  1st Qu.: 0.00000   1st Qu.: 0.00000   1st Qu.:    0.0   1st Qu.:  0.000
##  Median : 0.00000   Median : 0.00000   Median :    0.0   Median :  0.000
##  Mean   : 0.03316   Mean   : 0.07115   Mean   :  140.8   Mean   :  1.457
##  3rd Qu.: 0.00000   3rd Qu.: 0.00000   3rd Qu.:    0.0   3rd Qu.:  0.000
##  Max.   :22.00000   Max.   :43.00000   Max.   :83047.0   Max.   :151.400
##
##  total_rev_hi_lim      inq_fi         total_cu_tl       inq_last_12m
##  Min.   :      0   Min.   : 0.00000   Min.   : 0.00000   Min.   :-4.00000
##  1st Qu.:  11700   1st Qu.: 0.00000   1st Qu.: 0.00000   1st Qu.: 0.00000
##  Median :  21800   Median : 0.00000   Median : 0.00000   Median : 0.00000
##  Mean   :  29568   Mean   : 0.02262   Mean   : 0.03669   Mean   : 0.04734
##  3rd Qu.:  37900   3rd Qu.: 0.00000   3rd Qu.: 0.00000   3rd Qu.: 0.00000
##  Max.   :9999999   Max.   :16.00000   Max.   :35.00000   Max.   :32.00000
##
##        mths_since_delinq_cat     mths_since_last_record_cat
##  1_to_3_years     :150675    1_to_3_years     : 11811
##  3_to_5_years     :100941    3_to_5_years     : 30524
##  more_than_5_years: 61595    more_than_5_years: 77818
##  No_delinq        :408518    No_record        :675618
##  recent           : 76162    recent           :  2120
##
##
##  mths_since_last_major_derog_cat annual_inc_merged   dti_merged
##  1_to_3_years     : 62170        Min.   :  1896   Min.   : 0.00
##  3_to_5_years     : 69157        1st Qu.: 45000   1st Qu.:11.91
##  more_than_5_years: 52327        Median : 65000   Median :17.66
##  No_derog         :598524        Mean   : 75037   Mean   :18.13
```

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```
##  recent          : 15713        3rd Qu.:  90000    3rd Qu.:23.94
##                                  Max.   :9500000    Max.   :43.86
##
##   year_group              region
##  Group1:412079   midwest  :128925
##  Group2:385812   northeast:186148
##                  northwest: 41985
##                  south    : 94776
##                  southeast:173072
##                  southwest:172985
##
```

```
ggplot(data = cleaning, mapping = aes(x=int_rate,y=emp_length))+geom_boxplot()
```
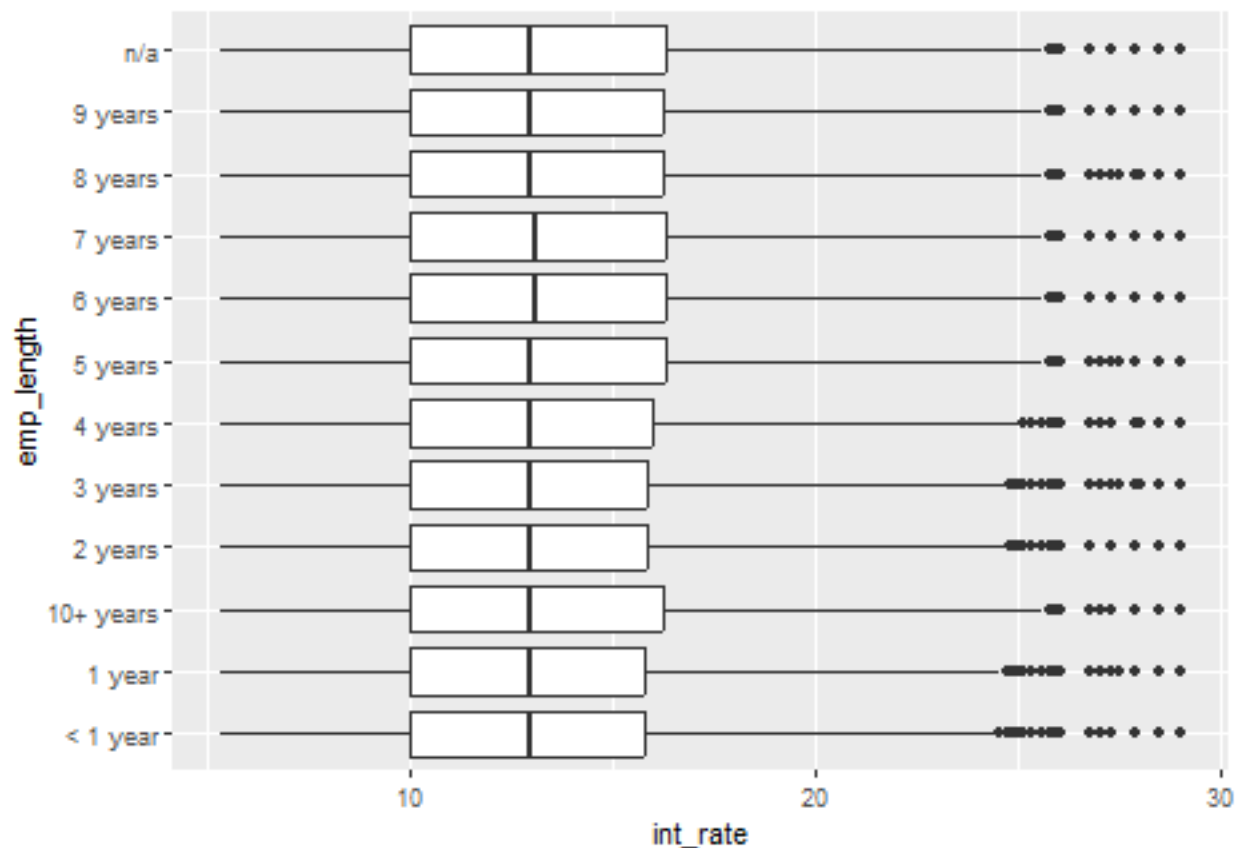

First we thought about cleaning emp_length because it still has 236966 n/a's. But after plotting emp_lenght it's clear that it does not have an impact on the interest. Therefore we delete this column.

```
cleaning <- cleaning %>% select(-emp_length)
```

Checking if other in purpose is really just other or n/a. It is other! and the whole purpose is important for the interest, seen when plotting it.

```
ggplot(data = cleaning, mapping = aes(x=int_rate,y=purpose))+geom_boxplot()
```
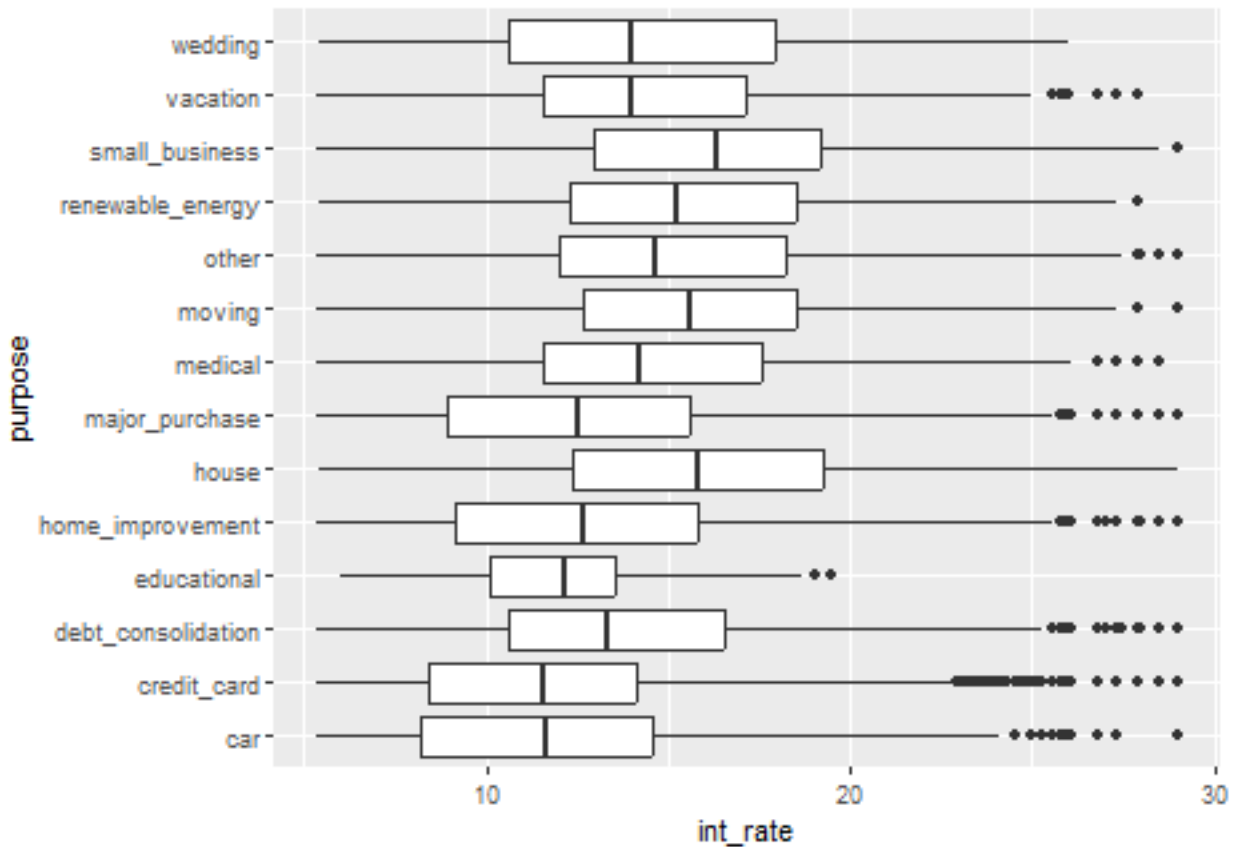
Make the final selection of attributes to consider for the model training and save the result to a file.

```
cleaning <- data.frame(cleaning %>% dplyr::select(int_rate,loan_amnt, term,installment,home_ownership,
saveRDS(cleaning, "../../Data/Out/cleanData.rds")
```